

ID	AT Avg (log2)	BM Avg (log2)	Condition F-Test	Condition FDR F-Test	Gene Symbol	Description	AT vs BM Fold Change
TC04001283.hg.1	12.36	4.34	0.0009	0.0194	CXCL5	chemokine (C-X- C motif) ligand 5	260.45
TC06002113.hg.1	15.82	8.02	1.07E-06	0.0013	MOXD1	monooxygenase, DBH-like 1	223.06
TC11002235.hg.1	12.19	4.63	6.43E-06	0.0025	MMP3	matrix metallopeptidase 3	188.86
TC08001073.hg.1	11.96	4.9	2.40E-06	0.0017	EBF2	early B-cell factor 2	133.8
TC11003313.hg.1	12.38	5.87	2.30E-05	0.004	MMP3	matrix metallopeptidase 3	91.1
TC18000300.hg.1	11.66	5.95	0.0001	0.0075	EPB41L3	erythrocyte membrane protein band 4.1- like 3	52.42
TC05002048.hg.1	12.56	7.23	0.001	0.0204	FAM196B	family with sequence similarity 196, member B	40.34
TC19002645.hg.1	13.84	8.53	0.0014	0.0246	GRWD1	glutamate-rich WD repeat containing 1 family with sequence similarity 196,	39.77
TC05003345.hg.1	11.63	6.37	0.0016	0.0267	FAM196B	member B	38.29
TC12003096.hg.1	14.1	8.9	0.0009	0.019	TBX3	T-box 3	36.77

TC17002451.hg.1	12.55	7.46	0.0039	0.0435 MYBBP1A	MYB binding protein (P160) 1a serpin peptidase inhibitor, clade B (ovalbumin), member 7	34.12
TC18000230.hg.1	9.83	5.17	0.0014	0.0243 SERPINB7		25.24
TC05000816.hg.1	9.93	5.31	0.0004	0.0132 ABLIM3	actin binding LIM protein family, member 3	24.44
TC0X001290.hg.1	9.56	4.99	0.0028	0.036 IL13RA2	interleukin 13 receptor, alpha 2 heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	23.72
TC17001149.hg.1	11.99	7.44	0.0018	0.0284 HS3ST3A1		23.4
TC10001860.hg.1	11.38	6.99	0.0006	0.0158 PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	20.97
TC03002131.hg.1	10.25	6.07	0.0002	0.0095 LRRC15	leucine rich repeat containing 15	18.05
TC01005155.hg.1	9.38	5.28	9.13E-05	0.0065 KIF26B	kinesin family member 26B	17.14
TC12002000.hg.1	10.84	6.74	0.0021	0.0313 TBX3	T-box 3	17.14

TC11000482.hg.1	10.67	6.61	9.77E-05	0.0066 FAM111B	family with sequence similarity 111, member B	16.71
TC12001300.hg.1	10.15	6.2	7.15E-06	0.0025 ABCC9	ATP binding cassette subfamily C member 9	15.49
TC17001862.hg.1	10.77	6.9	0.0031	0.0384 NAT9	N- acetyltransferase 9 (GCN5-related, putative)	14.54
TC0X001009.hg.1	10.15	6.3	9.75E-05	0.0066 SLC38A5	solute carrier family 38, member 5	14.46
TC20000603.hg.1	9.21	5.38	0.0003	0.0105 FERMT1	fermitin family member 1	14.28
TC12001996.hg.1	7.98	4.21	5.82E-05	0.0056 TBX5	T-box 5	13.71
TC07000562.hg.1	10.62	6.92	0.0018	0.0288 PEG10	paternally expressed 10	12.93
TC09002637.hg.1	9.48	5.86	5.38E-09	9.13E-05 SHC3	SHC (Src homology 2 domain containing) transforming protein 3	12.3
TC12001798.hg.1	15.21	11.65	0.0008	0.0184 ATP2B1	ATPase, Ca++ transporting, plasma membrane 1	11.8
TC19000050.hg.1	12.96	9.4	0.0048	0.0495 SF3A2	splicing factor 3a subunit 2	11.75

TC12000189.hg.1	16.73	13.24	0.0013	0.0236 EMP1	epithelial membrane protein 1	11.2
TC19000341.hg.1	10.26	6.83	0.0026	0.0349 MAP1S	microtubule- associated protein 1S	10.77
TC02004129.hg.1	10.08	6.68	0.0012	0.0227 SLC5A6	solute carrier family 5 (sodium/multivit amin and iodide cotransporter), member 6	10.6
TC14000391.hg.1	8.97	5.6	8.68E-05	0.0064 HSPA2	heat shock 70kDa protein 2	10.35
TC01003421.hg.1	9.04	5.67	0.0016	0.0272 ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motif 4	10.28
TCUn_gl000222000002.hg	9.13	5.82	0.0004	0.0125 LINC00960	long intergenic non-protein coding RNA 960	9.92
TC01000781.hg.1	6	2.71	1.81E-07	0.0007 ST6GALNAC3	ST6 (alpha-N- acetyl- neuraminy-2,3- beta-galactosyl- 1,3)-N- acetylgalactosam inide alpha-2,6- sialyltransferase	9.83

TC16000082.hg.1	13.05	9.75	0.0002	0.0101 KCTD5	potassium channel tetramerization domain containing 5 inhibitor of DNA binding 1, dominant negative helix- loop-helix protein	9.83
TC20000194.hg.1	11.03	7.77	0.0009	0.0201 ID1	solute carrier family 6 (neutral amino acid transporter), member 15	9.58
TC12001783.hg.1	8.04	4.82	0.0004	0.0134 SLC6A15	forkhead box L1	9.32
TC16000671.hg.1	9.54	6.35	0.0006	0.0153 FOXL1	tumor necrosis factor receptor superfamily, member 9	9.11
TC01002163.hg.1	6.15	2.98	0.0023	0.0326 TNFRSF9	neuronal PAS domain protein 2	9.02
TC02000611.hg.1	8.92	5.83	0.0033	0.0399 NPAS2	microRNA 548d- 1	8.52
TC01002910.hg.1	17.33	14.26	1.81E-06	0.0016 MIR548D1	kinesin family member 26B	8.38
TC01005156.hg.1	7.5	4.43	0.0003	0.0101 KIF26B	lectin, galactoside- binding, soluble, 3 binding protein	8.37
TC17001924.hg.1	13.77	10.71	0.003	0.0376 LGALS3BP		8.36

					human immunodeficiency virus type I enhancer binding protein 3	
TC01005428.hg.1	9.48	6.44	0.0007	0.0166	HIVEP3	8.24
TC18000128.hg.1	9.04	6.02	0.0003	0.0113	DSG2	8.08
					5-aminolevulinate synthase 1	
TC03000329.hg.1	12.1	9.09	0.0002	0.0091	ALAS1	8.04
TC14001238.hg.1	9.63	6.64	0.0006	0.0162	PLEK2	7.97
					metastasis suppressor 1	
TC08002510.hg.1	8.44	5.45	0.0002	0.0083	MTSS1	7.95
					phenylalanyl-tRNA synthetase alpha subunit	
TC19001215.hg.1	13.59	10.63	0.0006	0.0159	FARSA	7.81
					RAS p21 protein activator (GTPase activating protein) 1	
TC05002492.hg.1	10.92	7.96	0.0007	0.0178	RASA1	7.8
					hyaluronan synthase 2	
TC08001567.hg.1	17.75	14.79	3.40E-05	0.0046	HAS2	7.8
					RIC8 guanine nucleotide exchange factor A	
TC11000005.hg.1	12.47	9.5	0.0035	0.0412	RIC8A	7.78
					coronin, actin binding protein, 2B	
TC15000629.hg.1	10.5	7.58	0.0003	0.0107	CORO2B	7.57
TC17000969.hg.1	9.24	6.33	0.0012	0.0227	NXN	7.55
					nucleoredoxin basic helix-loop-helix family, member e41	
TC12001324.hg.1	9.3	6.39	0.0004	0.0125	BHLHE41	7.53

TC090013111.hg.1	8.22	5.33	1.61E-08	0.0001	SHC3	SHC (Src homology 2 domain containing) transforming protein 3 microfibrillar associated protein 5 complement component 1, q subcomponent binding protein protogenin	7.37
TC12001181.hg.1	14.28	11.41	9.59E-05	0.0066	MFAP5	long intergenic non-protein coding RNA 960 human immunodeficienc y virus type I enhancer binding protein 3	7.33
TC17002457.hg.1	11.59	8.72	0.0017	0.0273	C1QBP	microsomal glutathione S- transferase 1 CNDP dipeptidase 2 (metallopeptidas e M20 family)	7.29
TC15002549.hg.1	6.64	3.79	0.0027	0.0351	PRTG		7.23
TC03000442.hg.1	8.48	5.62	0.0005	0.0147	LINC00960		7.23
TC01005427.hg.1	6.91	4.06	0.0023	0.0328	HIVEP3		7.2
TC12002266.hg.1	17.86	15.02	0.002	0.0306	MGST1		7.17
TC18000248.hg.1	11.26	8.43	0.0042	0.0457	CNDP2		7.12
TC03002281.hg.1	8.13	5.3	0.0005	0.014	STAC	SH3 and cysteine rich domain	7.09

TC10000566.hg.1	11.41	8.58	0.0006	0.0165 PPIF	peptidylprolyl isomerase F teneurin transmembrane protein 3	7.07
TC04002346.hg.1	10.68	7.88	0.0001	0.007 TENM3		6.97
TC02001458.hg.1	8.32	5.53	0.0005	0.0148 TWIST2	twist family bHLH transcription factor 2	6.95
TC06000511.hg.1	15.22	12.43	9.62E-08	0.0004 SCUBE3	signal peptide, CUB domain, EGF- like 3	6.9
TC22001300.hg.1	11.58	8.8	0.0035	0.041 PES1	pescadillo ribosomal biogenesis factor 1	6.9
TC03001991.hg.1	6.47	3.69	0.0038	0.0431 SLC7A14	solute carrier family 7, member 14	6.88
TC11000518.hg.1	9.64	6.87	0.0037	0.0421 CCDC86	coiled-coil domain containing 86	6.84
TC06001271.hg.1	7.41	4.65	2.78E-05	0.0042 ELOVL2	ELOVL fatty acid elongase 2	6.77
TC12002841.hg.1	11.26	8.52	0.0039	0.0438 PRICKLE1	prickle homolog 1	6.72
TC01004765.hg.1	11.23	8.49	0.0037	0.0424 MSTO2P	misato family member 2, pseudogene	6.64
TC08001556.hg.1	14.58	11.86	7.90E-06	0.0026 ENPP2	ectonucleotide pyrophosphatase /phosphodiester ase 2	6.61

TC16000365.hg.1	8.95	6.24	4.05E-05	0.0049	HSD3B7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7	6.54
TC10002105.hg.1	13.46	10.77	0.0021	0.031	DDX21	DEAD (Asp-Glu-Ala-Asp) box helicase 21	6.45
TC08001062.hg.1	14.08	11.4	1.60E-06	0.0015	STC1	stanniocalcin 1	6.43
TC11001950.hg.1	10.99	8.33	0.0043	0.0461	EIF1AD	eukaryotic translation initiation factor 1A domain containing family with sequence similarity 101, member B	6.31
TC17000965.hg.1	11.34	8.69	0.0009	0.0197	FAM101B	patched 1	6.27
TC09002678.hg.1	10.41	7.78	0.0036	0.0419	PTCH1	popeye domain containing 3	6.21
TC06003783.hg.1	11.94	9.31	0.0007	0.0172	POPDC3	coagulation factor III (thromboplastin, tissue factor)	6.19
TC01002886.hg.1	8.41	5.78	8.27E-08	0.0004	F3	kinesin family member 26B	6.19
TC01001996.hg.1	8.04	5.43	0.0004	0.013	KIF26B	long intergenic non-protein coding RNA 346	6.09
TC13000877.hg.1	6.71	4.11	0.0007	0.0169	LINC00346	forkhead box F2	6.07
TC06000010.hg.1	7.59	4.99	3.55E-06	0.002	FOXF2		6.06

TC15001643.hg.1	13.46	10.86	3.41E-05	0.0046	SEMA7A	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group) superkiller viralicidic activity	6.05
TC05002382.hg.1	12.04	9.46	0.004	0.0445	SKIV2L2	2-like 2 (S. cerevisiae)	6
TC02002002.hg.1	11.53	8.95	7.42E-06	0.0026	LOXL3	lysyl oxidase-like 3	5.99
TC01003624.hg.1	10.22	7.64	0.0009	0.0195	FAM129A	family with sequence similarity 129, member A	5.97
TC09002636.hg.1	6.47	3.93	1.67E-06	0.0015	SHC3	SHC (Src homology 2 domain containing) transforming protein 3	5.84
TC19002540.hg.1	13.12	10.57	0.0006	0.0165	GYS1	glycogen synthase 1 (muscle)	5.84
TC13001465.hg.1	9.32	6.79	0.0007	0.0173	NUFIP1	nuclear fragile X mental retardation protein interacting protein 1	5.78

TC16000837.hg.1	13.52	11.01	0.0014	0.0248	GLYR1	glyoxylate reductase 1 homolog (Arabidopsis)	5.71
TC05001935.hg.1	7.05	4.54	0.001	0.0202	ARSI	arylsulfatase family, member I	5.7
TC10000181.hg.1	9.44	6.93	0.0005	0.0149	APBB1IP	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein	5.7
TC19000575.hg.1	7.21	4.71	1.70E-05	0.0035	CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	5.66
TC07001207.hg.1	14.42	11.93	0.0002	0.0097	CYCS	cytochrome c, somatic	5.63
TC06002863.hg.1	9.73	7.24	0.0016	0.0264	OGFRL1	opioid growth factor receptor-like 1	5.62
TC07001570.hg.1	6.76	4.28	6.60E-05	0.0058	SEMA3D	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D	5.6

TC05000441.hg.1	10.07	7.6	0.0048	0.0494 POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	5.54
TC04000881.hg.1	11.04	8.57	0.0002	0.0088 TENM3	teneurin transmembrane protein 3	5.54
TC0X001817.hg.1	7.79	5.35	5.18E-06	0.0022 CXorf57	chromosome X open reading frame 57	5.42
TC01000356.hg.1	8.9	6.48	5.83E-05	0.0056 TRNP1	TMF1-regulated nuclear protein 1	5.33
TC05003274.hg.1	11.33	8.94	0.0043	0.0465 HDAC3	histone deacetylase 3	5.24
TC11003199.hg.1	14.25	11.86	0.0004	0.0125 SF1	splicing factor 1	5.22
TC0X000788.hg.1	9.03	6.67	0.0044	0.0467 MIR1184-3; M2	microRNA 1184- 3; microRNA 1184-1; microRNA 1184- 1; microRNA 1184-2; microRNA 1184- 3; microRNA 1184-2; microRNA 1184-	5.14
TC0X001548.hg.1	9.03	6.67	0.0044	0.0467 MIR1184-1; M3	microRNA 1184- 3; microRNA 1184-2; microRNA 1184-	5.14
TC0X001553.hg.1	9.03	6.67	0.0044	0.0467 MIR1184-3; M1	microRNA 1184-	5.14

TC19002026.hg.1	11.25	8.88	0.0017	0.0272 DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49 SH3-domain	5.14
TC19001062.hg.1	13.69	11.33	0.0035	0.0412 SH3GL1	GRB2-like 1 pre-mRNA processing factor	5.12
TC11003169.hg.1	11.56	9.21	0.0027	0.0356 PRPF19	19	5.1
TC16000129.hg.1	11.15	8.81	0.0009	0.0195 VASN	vasorin	5.08
TC10000413.hg.1	14.53	12.2	0.0011	0.0217 DDX21	DEAD (Asp-Glu-Ala-Asp) box helicase 21	5.05
TC15002198.hg.1	9	6.67	0.0006	0.0153 TMOD2	tropomodulin 2 (neuronal)	5.04
TC17001532.hg.1	14.35	12.03	0.0019	0.029 PTRF	polymerase I and transcript release factor	4.99
TC06002991.hg.1	14.95	12.63	0.0026	0.0349 RPF2	ribosome production factor 2 homolog	4.97
TC21000553.hg.1	7.26	4.96	0.0044	0.0467 SPATC1L	spermatogenesis and centriole associated 1-like	4.91
TC15000670.hg.1	14.93	12.65	0.0036	0.0414 LOXL1	lysyl oxidase-like 1	4.87
TC12002362.hg.1	5.54	3.26	0.0007	0.0177 ACVRL1	activin A receptor type II	4.84
TC02001619.hg.1	9.37	7.09	0.0039	0.0437 SDC1	syndecan 1	4.83
TC05003075.hg.1	8.48	6.21	0.0026	0.0349 FOXD1	forkhead box D1	4.83
TC08001199.hg.1	10.63	8.36	2.14E-05	0.0039 SNAI2	snail family zinc finger 2	4.82
TC14002339.hg.1	10.28	8.02	0.0007	0.0174 IPO4	importin 4	4.79

TC04002654.hg.1	12.75	10.49	0.0017	0.0273 CENPE	centromere protein E	4.77
TC02001035.hg.1	8.08	5.83	0.0021	0.0316 CDCA7	cell division cycle associated 7	4.77
TC02004835.hg.1	10.21	7.97	0.0007	0.0169 IRS1	insulin receptor substrate 1	4.75
TC11002262.hg.1	8.78	6.53	0.0006	0.0162 SLC35F2	solute carrier family 35, member F2	4.73
TC08001876.hg.1	12.9	10.66	0.0006	0.0153 MAK16	MAK16 homolog nucleolar and coiled-body phosphoprotein	4.72
TC10000749.hg.1	11.32	9.08	0.002	0.0301 NOLC1	1	4.7
TC02000207.hg.1	11.34	9.12	0.0022	0.0321 EHD3	EH domain containing 3 NUS1	4.67
TC06000932.hg.1	13.23	11	0.001	0.0207 NUS1	dehydrodolichyl diphosphate synthase subunit	4.67
TC01002578.hg.1	11.94	9.72	0.0037	0.0421 SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1	4.67
TC11000142.hg.1	8.69	6.48	6.49E-06	0.0025 ZNF215	zinc finger protein 215	4.62
TC08001659.hg.1	10.52	8.31	5.96E-06	0.0024 NDRG1	N-myc downstream regulated 1	4.62

					ADAM metallopeptidase with thrombospondin type 1 motif 1	
TC21000891.hg.1	11.89	9.68	0.0009	0.0191 ADAMTS1		4.61
TC17002307.hg.1	12.69	10.48	8.50E-05	0.0063 TBX2	T-box 2	4.61
					v-myb avian myeloblastosis viral oncogene homolog-like 2	
TC20000320.hg.1	10.53	8.33	0.0021	0.031 MYBL2		4.59
					Mab-21 domain containing 2	
TC03002118.hg.1	9.86	7.67	6.20E-05	0.0058 MB21D2		4.58
					glutamate- cysteine ligase, modifier subunit	
TC01002882.hg.1	11.35	9.16	0.0036	0.0414 GCLM		4.55
					long intergenic non-protein coding RNA 960	
TC03002401.hg.1	7.62	5.44	0.0005	0.0146 LINC00960		4.55
					heterogeneous nuclear ribonucleoprotei	
TC05001819.hg.1	11.41	9.23	0.0044	0.0468 HNRNPA0	n A0	4.54
					uncharacterized	
TC01003065.hg.1	7.8	5.62	0.0027	0.0359 LOC10099692	LOC100996920	4.53
					clustered mitochondria (cluA/CLU1)	
TC17000999.hg.1	9.28	7.1	0.0018	0.0285 CLUH		4.51
					homolog TRAF2 and NCK interacting	
TC03001998.hg.1	8.43	6.26	0.0002	0.0092 TNIK		4.51
					kinase zinc finger	
TC08000275.hg.1	10.12	7.95	5.68E-05	0.0055 ZNF703	protein 703	4.5

					nuclear factor of kappa light polypeptide gene enhancer in B- cells inhibitor,	
TC19002129.hg.1	9.25	7.08	0.0015	0.0257 NFKBIB	beta	4.5
TC07001303.hg.1	7.15	4.99	0.0002	0.0097 AMPH	amphiphysin	4.47
TC07001225.hg.1	7.37	5.21	0.0013	0.0243 HOXA11	homeobox A11	4.45
TC04002753.hg.1	7.37	5.22	2.05E-05	0.0039 CLGN	calmegin	4.45
					valyl-tRNA	
TC6_qbl_hap6000161.hg.1	8.49	6.34	0.0023	0.0329 VARS	synthetase	4.45
					immunoglobulin superfamily containing	
					leucine-rich	
TC15000678.hg.1	10.1	7.95	1.06E-06	0.0013 ISLR	repeat	4.44
					NUS1	
					dehydrodolichyl diphosphate	
					synthase subunit	
TC13000963.hg.1	9.9	7.75	0.0027	0.0358 NUS1P3	pseudogene 3	4.44
TC06002265.hg.1	14.39	12.24	0.0026	0.0349 EZR	ezrin	4.43
					transmembrane	
TC12000935.hg.1	7.28	5.15	6.07E-05	0.0057 TMEM233	protein 233	4.37
					apoptosis	
					antagonizing	
TC17000444.hg.1	13.33	11.2	0.0004	0.0126 AATF	transcription factor	4.37
					SMYD family	
TC02000439.hg.1	8.75	6.63	0.0038	0.0428 SMYD5	member 5	4.35
					MYB binding	
TC17001023.hg.1	9.98	7.87	0.0036	0.0414 MYBBP1A	protein (P160) 1a	4.31

TC01004881.hg.1	14.19	12.08	0.0034	0.0402 DHX9	DEAH (Asp-Glu-Ala-His) box helicase 9 WD repeat	4.31
TC05002658.hg.1	10.46	8.36	0.0033	0.0394 WDR55	domain 55 NGFI-A binding protein 2 (EGR1 binding protein 2)	4.3
TC12000520.hg.1	9.53	7.44	0.001	0.0204 NAB2		4.28
TC06000844.hg.1	7.83	5.73	0.0013	0.0236 PRDM1	PR domain containing 1, with ZNF domain small nuclear RNA activating complex	4.28
TC19001963.hg.1	9.59	7.5	0.0002	0.0092 SNAPC2	polypeptide 2 core-binding factor, beta subunit	4.24
TC16000528.hg.1	12.17	10.09	0.0002	0.0085 CBFB	ring finger protein 126	4.24
TC19000988.hg.1	10.87	8.79	0.0007	0.0166 RNF126	out at first homolog	4.22
TC11001098.hg.1	8.97	6.9	2.98E-05	0.0044 OAF	ribosomal RNA processing 1B	4.19
TC21000212.hg.1	10.3	8.23	0.0005	0.0149 RRP1B	transcription factor A, mitochondrial	4.19
TC10002078.hg.1	11.44	9.39	0.0016	0.0262 TFAM		4.14
TC03000919.hg.1	7.97	5.92	0.0011	0.0214 CLDN11	claudin 11 opioid growth factor receptor- like 1	4.14
TC06000720.hg.1	11.83	9.78	0.0003	0.0113 OGFRL1		4.12

TC10002200.hg.1	11.9	9.85	0.0011	0.0214 KIF20B	kinesin family member 20B	4.12
TC02004579.hg.1	12.35	10.31	0.0009	0.0194 SMPD4	sphingomyelin phosphodiesterase 4, neutral membrane (neutral sphingomyelinase-3)	4.11
TC12000591.hg.1	8.51	6.47	6.78E-05	0.0059 IRAK3	interleukin 1 receptor associated kinase 3	4.11
TC07002034.hg.1	12.96	10.92	0.0047	0.0489 ABCF2	ATP binding cassette subfamily F member 2	4.11
TC01006343.hg.1	6.3	4.26	0.0003	0.0117 RHOU	ras homolog family member U	4.11
TC07000648.hg.1	7.29	5.25	0.0045	0.0473 LOC10192774	LOC101927746 uncharacterized	4.1
TC6_ssto_hap7000094.hg.1	8.54	6.51	0.0014	0.0243 ZBTB9	zinc finger and BTB domain containing 9	4.09
TC08001321.hg.1	6.34	4.31	0.0009	0.0191 TRPA1	transient receptor potential cation channel, subfamily A, member 1	4.08

TC01001723.hg.1	8.29	6.27	0.0016	0.0267	IKBKE	inhibitor of kappa light polypeptide gene enhancer in B- cells, kinase epsilon potassium channel tetramerization domain	4.07
TC17000090.hg.1	8.53	6.51	0.0029	0.0367	KCTD11	containing 11 glycogen synthase 1	4.05
TC19001703.hg.1	11	8.98	0.0028	0.0361	GYS1	(muscle) heterogeneous nuclear ribonucleoprotei	4.05
TC05002774.hg.1	14.87	12.85	0.0022	0.0322	HNRNPAB	n A/B ZFP36 ring finger	4.05
TC14001253.hg.1	11.99	9.97	0.0002	0.0088	ZFP36L1	protein-like 1 solute carrier family 5 (sodium/multivit amin and iodide cotransporter), member 6	4.04
TC02001677.hg.1	8.57	6.57	0.0005	0.0139	SLC5A6	prostaglandin F2 receptor	4.02
TC01001024.hg.1	10.04	8.04	0.0039	0.0434	PTGFRN	inhibitor	4
TC12001153.hg.1	14.11	12.11	0.0003	0.0104	PHB2	prohibitin 2 armadillo repeat	4
TC19002027.hg.1	11.57	9.57	0.0008	0.0186	ARMC6	containing 6	3.99

TC16000899.hg.1	12.51	10.51	0.0003	0.0109 FOPNL	FGFR1OP N-terminal like	3.99
TC08002029.hg.1	13.37	11.38	0.0034	0.0402 MTDH	metadherin	3.98
TC19002629.hg.1	13.09	11.11	0.0003	0.0116 IFI30	interferon, gamma-inducible protein 30	3.96
TC04000486.hg.1	10.36	8.38	0.0043	0.0461 HERC3	HECT and RLD domain containing E3 ubiquitin protein ligase 3	3.94
TC12000428.hg.1	12.04	10.08	0.0027	0.0358 IGFBP6	insulin like growth factor binding protein 6	3.9
TC6_cox_hap2000162.hg.1	7.13	5.16	0.0034	0.0404 C6orf47	chromosome 6 open reading frame 47	3.89
TC16001133.hg.1	14.28	12.33	0.0021	0.0313 NUDT21	nudix hydrolase 21	3.88
TC11001320.hg.1	4.89	2.95	0.0041	0.0449 OR51A4	olfactory receptor, family 51, subfamily A, member 4	3.84
TC17000834.hg.1	8.39	6.45	3.57E-05	0.0046 SLC9A3R1; MI microRNA 3615	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1;	3.84

TC16000921.hg.1	6.03	4.1	2.90E-06	0.0018	GPRC5B	G protein-coupled receptor, class C, group 5, member B	3.82
TC06000888.hg.1	13.16	11.22	0.0045	0.0476	RPF2	ribosome production factor 2 homolog	3.82
TC12001309.hg.1	13.14	11.21	0.0001	0.0077	BCAT1	branched chain amino-acid transaminase 1, cytosolic	3.82
TC11002622.hg.1	14.68	12.75	4.12E-05	0.0049	EIF3M	eukaryotic translation initiation factor 3, subunit M	3.81
TC08000839.hg.1	11.1	9.18	0.0029	0.037	GPAA1	glycosylphosphatidylinositol anchor attachment 1	3.79
TC19000906.hg.1	14.13	12.21	0.0016	0.0262	U2AF2	U2 small nuclear RNA auxiliary factor 2	3.79
TC05001033.hg.1	13.39	11.47	0.0011	0.0216	HNRNPAB	heterogeneous nuclear ribonucleoprotein A/B	3.77
TC06001551.hg.1	6.39	4.48	0.004	0.0446	ZBTB12	zinc finger and BTB domain containing 12	3.77
TC19001540.hg.1	8.42	6.51	0.0032	0.0392	SERTAD1	SERTA domain containing 1	3.76

TC15000633.hg.1	9.62	7.72	0.0005	0.0146	GLCE	glucuronic acid epimerase	3.75
TC08000209.hg.1	14.6	12.69	0.0002	0.0091	SCARA3	scavenger receptor class A, member 3	3.75
TC05000928.hg.1	11.02	9.13	0.0021	0.0316	SPDL1	spindle apparatus coiled- coil protein 1	3.7
TC06000412.hg.1	12.77	10.89	0.004	0.0444	SLC39A7	solute carrier family 39 (zinc transporter), member 7	3.68
TC02002558.hg.1	8.06	6.19	0.0008	0.018	LINC01116	long intergenic non-protein coding RNA 1116	3.67
TC11000337.hg.1	9.72	7.85	8.97E-05	0.0064	FJX1	four jointed box 1	3.66
TC09001013.hg.1	9.37	7.5	0.0038	0.0429	NOL6	nucleolar protein 6 (RNA- associated)	3.65
TC12000018.hg.1	11.4	9.53	0.001	0.0207	ADIPOR2	adiponectin receptor 2	3.64
TC09000573.hg.1	11.95	10.08	0.0049	0.0498	PRPF4	pre-mRNA processing factor 4	3.64
TC16001717.hg.1	6.52	4.65	0.0028	0.036	VPS9D1-AS1	VPS9D1 antisense RNA 1	3.64
TC17001984.hg.1	12.71	10.85	0.0019	0.0292	WDR45B	WD repeat domain 45B	3.63
TC20000248.hg.1	11.36	9.5	5.22E-05	0.0053	PROCR	protein C receptor, endothelial	3.63

TC11002642.hg.1	13.42	11.57	0.0014	0.0246 API5	apoptosis inhibitor 5	3.62
TC0X000517.hg.1	6.85	5	9.00E-05	0.0065 CXorf57	chromosome X open reading frame 57	3.61
TC19002017.hg.1	13.74	11.88	0.0005	0.0141 RAB8A	RAB8A, member RAS oncogene family	3.61
TC21000214.hg.1	8.79	6.94	0.0002	0.0084 RRP1	ribosomal RNA processing 1	3.61
TC08001438.hg.1	8.55	6.7	0.0012	0.0226 CCNE2	cyclin E2	3.61
TC22001346.hg.1	7.48	5.63	0.0027	0.0357 DMC1	DNA meiotic recombinase 1	3.61
TC17000795.hg.1	12.68	10.83	0.0005	0.0141 NOL11	nucleolar protein 11	3.61
TC01004298.hg.1	12.47	10.63	0.0015	0.0254 TXLNA	taxilin alpha	3.58
TC05002146.hg.1	13.28	11.44	0.0019	0.03 GFPT2	glutamine- fructose-6- phosphate transaminase 2	3.58
TC03001995.hg.1	10.7	8.86	4.35E-05	0.0049 EIF5A2	eukaryotic translation initiation factor 5A2	3.58
TC19000317.hg.1	15.39	13.55	0.0016	0.0264 RAB8A	RAB8A, member RAS oncogene family	3.58
TC03002108.hg.1	6.72	4.88	0.0008	0.0181 CLDN1	claudin 1	3.58
TC02000233.hg.1	10.34	8.51	0.002	0.0307 GPATCH11	G-patch domain containing 11	3.57
TC12001792.hg.1	10.83	8.99	2.34E-06	0.0017 KITLG	KIT ligand	3.57

TC03001169.hg.1	7.82	5.99	4.62E-05	0.0051	TIMP4	TIMP metallopeptidase inhibitor 4	3.57
TC0X000326.hg.1	8.49	6.66	0.0012	0.0226	APEX2	APEX nuclease (apurinic/apyrimi dinic endonuclease) 2	3.56
TC19002377.hg.1	8.86	7.03	0.0006	0.0165	HOMER3	homer scaffolding protein 3	3.55
TC0X000783.hg.1	11.31	9.48	0.0014	0.0246	BRCC3	BRCA1/BRCA2- containing complex subunit 3	3.55
TC09001629.hg.1	10.97	9.15	0.0005	0.0151	TRUB2	TruB pseudouridine (psi) synthase family member 2	3.53
TC10001179.hg.1	9.79	7.98	0.0046	0.0478	FZD8; MIR468	frizzled class receptor 8; microRNA 4683	3.53
TC6_mann_hap4000139.h	7.38	5.56	0.0048	0.0495	C6orf47	chromosome 6 open reading frame 47	3.52
TC12002373.hg.1	7.48	5.67	0.0047	0.0488	HOXC5	homeobox C5	3.52
TC09001375.hg.1	7.66	5.85	0.0003	0.0104	ZNF367	zinc finger protein 367	3.51
TC01003014.hg.1	14.87	13.07	0.0011	0.0217	NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog	3.49

TC01003200.hg.1	12.36	10.56	0.0005	0.014	ANP32E	acidic nuclear phosphoprotein 32 family member E heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) neuroepithelial cell transforming 1	3.48
TC09001589.hg.1	17.46	15.66	0.0031	0.038	HSPA5	amyloid beta (A4) precursor protein-binding, family A, member 1	3.48
TC10001855.hg.1	10.83	9.04	0.0004	0.0126	NET1	bicaudal D homolog 2 (Drosophila)	3.48
TC09002585.hg.1	6.54	4.74	0.0031	0.038	APBA1	protein kinase (cAMP-dependent, catalytic)	3.47
TC09001340.hg.1	10.28	8.49	0.0018	0.0282	BICD2	inhibitor alpha	3.46
TC08001988.hg.1	8.92	7.13	0.0007	0.017	PKIA	adhesion G protein-coupled receptor G6	3.46
TC06001046.hg.1	8.02	6.23	0.0007	0.0171	ADGRG6	staphylococcal nuclease and tudor domain containing 1	3.46
TC07002567.hg.1	13.75	11.96	0.0013	0.0235	SND1		3.46

TC0X000050.hg.1	12	10.22	0.0001	0.0078 PRPS2	phosphoribosyl pyrophosphate synthetase 2 WD repeat	3.45
TC05000731.hg.1	9.42	7.64	0.0009	0.0195 WDR55	domain 55 popeye domain	3.44
TC06001977.hg.1	8.73	6.95	0.0002	0.009 POPDC3	containing 3 prostaglandin- endoperoxide synthase 1 (prostaglandin G/H synthase and	3.44
TC09000614.hg.1	10.01	8.23	0.0048	0.0491 PTGS1	cyclooxygenase) pescadillo ribosomal biogenesis factor	3.43
TC22000658.hg.1	8.6	6.82	0.0047	0.0488 PES1	1 small integral membrane	3.43
TC0X000644.hg.1	9.32	7.55	0.0019	0.0297 SMIM10	protein 10 interleukin 27	3.41
TC19000250.hg.1	6.89	5.12	0.0036	0.0416 IL27RA	receptor, alpha family with sequence similarity 98,	3.41
TC02001729.hg.1	12.6	10.83	0.0009	0.0199 FAM98A	member A	3.41
TC13000561.hg.1	6.25	4.48	6.54E-06	0.0025 MAB21L1; MI	mab-21-like 1 (C. elegans); microRNA 548f-5	3.4
TC01001033.hg.1	11.15	9.39	0.0038	0.0426 WDR3	WD repeat domain 3	3.39

TC01005211.hg.1	11.46	9.7	0.0049	0.0497 CDK11B	cyclin-dependent kinase 11B	3.39
TC03002999.hg.1	10.83	9.08	0.004	0.0445 MINA	MYC induced nuclear antigen inhibitor of DNA binding 2B, dominant negative helix- loop-helix protein (pseudogene)	3.37
TC03001512.hg.1	9.39	7.64	8.37E-05	0.0063 ID2B	prothymosin, alpha	3.37
TC02003886.hg.1	17.96	16.22	0.0012	0.0228 PTMA	proprotein convertase subtilisin/kexin type 7	3.36
TC11001046.hg.1	11.84	10.09	0.004	0.0446 PCSK7	hydroxysteroid dehydrogenase like 2	3.36
TC09002184.hg.1	12.27	10.52	0.0007	0.0169 HSDL2	tropomodulin 2 (neuronal)	3.35
TC15000410.hg.1	8.58	6.84	0.0016	0.0262 TMOD2	small integral membrane protein 15	3.34
TC05001395.hg.1	11.1	9.36	0.0029	0.0367 SMIM15	N- acetyltransferase 10 (GCN5- related)	3.32
TC11000325.hg.1	11.68	9.95	0.0042	0.0455 NAT10	placental growth factor	3.32
TC14002090.hg.1	8.38	6.65	0.001	0.0211 PGF		3.32

					sphingomyelin phosphodiesterase 4, neutral membrane (neutral sphingomyelinase-3) pseudogene	
TC02003584.hg.1	10.16	8.43	0.0016	0.0263 LOC150776	transmembrane protein 259	3.31
TC19000995.hg.1	12.96	11.23	0.0015	0.0257 TMEM259	coiled-coil domain	3.31
TC19000084.hg.1	9.31	7.59	0.0008	0.0182 CCDC94	containing 94 protein phosphatase 1, regulatory subunit 3D	3.31
TC20001000.hg.1	6.65	4.93	0.0024	0.0338 PPP1R3D	uncharacterized LOC90768	3.3
TC04002962.hg.1	7.19	5.47	0.0017	0.0274 LOC90768	kringle containing transmembrane protein 1	3.3
TC22000191.hg.1	7.77	6.05	0.0014	0.0247 KREMEN1	centromere protein V	3.29
TC17001173.hg.1	9.03	7.31	0.0007	0.0175 CENPV	nuclear receptor coactivator 5	3.28
TC20000896.hg.1	10.38	8.67	0.0005	0.0141 NCOA5	family with sequence similarity 212, member B	3.27
TC01005706.hg.1	7.45	5.74	0.0005	0.0152 FAM212B	hydroxysteroid dehydrogenase like 2	3.26
TC09000565.hg.1	11.86	10.15	0.0023	0.033 HSDL2		

TC05001522.hg.1	9.89	8.19	5.64E-07	0.0011	HOMER1	homer scaffolding protein 1	3.26
TC17001013.hg.1	7.05	5.36	0.0016	0.0268	CAMKK1	calcium/calmodulin-dependent protein kinase kinase 1, alpha	3.24
TC17000390.hg.1	10.87	9.18	0.0049	0.0499	ZNF830	zinc finger protein 830	3.23
TC14001036.hg.1	10.7	9.01	0.0017	0.0278	NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	3.22
TC19000366.hg.1	9.83	8.15	0.0011	0.0224	DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	3.21
TC04000526.hg.1	10.71	9.04	0.0037	0.0426	NFKB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	3.2
TC05001909.hg.1	13.08	11.41	0.0005	0.0144	DPYSL3	dihydropyrimidinase-like 3	3.2
TC12002414.hg.1	12.2	10.53	0.0029	0.0367	SRGAP1	SLIT-ROBO Rho GTPase activating protein 1	3.19

					high mobility group nucleosomal binding domain 2	
TC01001291.hg.1	11.35	9.67	0.0014	0.0243 HMGN2P18	pseudogene 18	3.19
TC02002830.hg.1	9.9	8.23	0.0001	0.0073 IRS1	insulin receptor substrate 1	3.18
TC09001283.hg.1	9.6	7.94	0.0015	0.0257 C9orf64	chromosome 9 open reading frame 64	3.18
TC16000782.hg.1	11.45	9.78	0.0008	0.0185 RNPS1	RNA binding protein S1, serine- rich domain	3.17
TC17002724.hg.1	14.63	12.97	0.001	0.0207 SRSF1	serine/arginine- rich splicing factor 1	3.17
TC06001302.hg.1	13.56	11.9	0.0001	0.0069 DEK	DEK proto- oncogene	3.16
TC14000988.hg.1	6.34	4.68	4.50E-06	0.0021 NOVA1	neuro- oncological ventral antigen 1	3.16
TC02004399.hg.1	8.96	7.3	0.0005	0.0142 LOC654342	lymphocyte- specific protein 1	3.15
TC11000170.hg.1	14.79	13.14	0.0021	0.0312 IPO7	pseudogene importin 7	3.15
TC17002479.hg.1	12.59	10.94	0.0028	0.036 MYH10	myosin, heavy chain 10, non- muscle	3.15

TC19000577.hg.1	13.53	11.88	0.0005	0.0148 HNRNPUL1	heterogeneous nuclear ribonucleoprotein U-like 1	3.14
TC17000526.hg.1	8.6	6.95	0.0018	0.0288 NAGLU	N-acetylglucosaminidase, alpha praja ring finger 2, E3 ubiquitin protein ligase	3.14
TC05002555.hg.1	10.16	8.51	0.0025	0.034 PJA2	v-ets avian erythroblastosis virus E26 oncogene homolog 1	3.14
TC11002439.hg.1	10.81	9.17	0.0002	0.0091 ETS1	homolog 1	3.13
TC08000258.hg.1	11.75	10.1	0.0007	0.017 MAK16	MAK16 homolog	3.13
TC12001208.hg.1	6.66	5.01	4.22E-05	0.0049 CLEC2B	C-type lectin domain family 2, member B	3.13
TC01000572.hg.1	8.25	6.6	0.0032	0.0392 TOE1	target of EGR1, member 1 (nuclear) tRNA methyltransferase 10C, mitochondrial	3.12
TC03000518.hg.1	8.12	6.48	0.0012	0.0231 TRMT10C	RNase P subunit	3.12
TC21000169.hg.1	8.76	7.13	0.0002	0.008 ETS2	v-ets avian erythroblastosis virus E26 oncogene homolog 2	3.11

TC19000069.hg.1	13.18	11.54	0.0017	0.0278 NFIC	nuclear factor I/C (CCAAT-binding transcription factor)	3.11
TC17002651.hg.1	7.11	5.47	0.0037	0.0424 ETV4	ets variant 4	3.11
TC11001962.hg.1	12.14	10.51	0.0024	0.0335 CD248	CD248 molecule, endosialin	3.1
TC17001642.hg.1	8.24	6.61	0.0003	0.0104 HOXB2	homeobox B2	3.1
TC04001220.hg.1	9.81	8.18	0.0004	0.0136 PPAT	phosphoribosyl pyrophosphate amidotransferase	3.1
TC05001746.hg.1	8.2	6.57	5.85E-06	0.0024 3-Mar	membrane associated ring finger 3	3.09
TC11002895.hg.1	9.12	7.5	0.0041	0.0448 BACE1-AS	BACE1 antisense RNA	3.07
TC02000671.hg.1	7.84	6.22	0.0002	0.0092 SOWAHC	soosondowah ankyrin repeat domain family member C	3.07
TC03002354.hg.1	12.68	11.07	0.0026	0.0349 APPL1	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1	3.06
TC0X001538.hg.1	12.05	10.44	0.0036	0.0419 G6PD	glucose-6- phosphate dehydrogenase	3.05

TC15001837.hg.1	16.95	15.34	6.03E-05	0.0057 ANPEP	alanyl (membrane) aminopeptidase tweety family member 3	3.05
TC07000036.hg.1	10.36	8.76	0.0005	0.0147 TTYH3	endothelial cell- specific molecule 1	3.04
TC05001352.hg.1	8.08	6.48	0.002	0.0301 ESM1	forkhead box F1	3.04
TC16000668.hg.1	6.16	4.55	5.69E-05	0.0055 FOXF1	Xg pseudogene, Y- linked 2; sex determining region Y	3.04
TC0Y000352.hg.1	7.47	5.87	0.001	0.0212 XGY2; SRY	myristoylated alanine-rich protein kinase C substrate	3.02
TC06000909.hg.1	14.99	13.39	0.0007	0.0174 MARCKS	mitogen- activated protein kinase 13	3.02
TC06000524.hg.1	7.49	5.9	0.0007	0.0176 MAPK13	ELK1, member of ETS oncogene family	3.01
TC0X000999.hg.1	8.95	7.36	0.0003	0.0119 ELK1	high mobility group nucleosomal binding domain 2	3.01
TC03001845.hg.1	13.83	12.24	0.0014	0.0243 HMGN2P25	pseudogene 25 chromosome 7 open reading frame 26	3.01
TC07000068.hg.1	8.5	6.91	0.0024	0.0335 C7orf26		3.01

TC17001542.hg.1	13.44	11.85	0.003	0.0376	HMGN2P15	high mobility group nucleosomal binding domain 2 pseudogene 15 cleavage stimulation factor, 3 pre- RNA, subunit 2, tau variant Ras and Rab interactor 3 ribonuclease P/MRP 40kDa subunit M-phase phosphoprotein 6 SEH1-like nucleoporin protein phosphatase 1, regulatory subunit 35 centromere protein E DIS3 homolog, exosome endoribonucleas e and 3-5 exoribonuclease	3
TC10001297.hg.1	9.12	7.53	0.0008	0.018	CSTF2T		3
TC14000571.hg.1	7.98	6.4	0.0038	0.0428	RIN3		3
TC06001239.hg.1	9.11	7.53	0.0047	0.0487	RPP40		2.99
TC16001302.hg.1	10.05	8.48	0.0047	0.0486	MPHOSPH6		2.98
TC18000069.hg.1	13.26	11.69	0.0024	0.0334	SEH1L		2.97
TC07002490.hg.1	6.4	4.83	0.0012	0.0226	PPP1R35		2.97
TC04001436.hg.1	11.49	9.92	0.0003	0.0104	CENPE		2.96
TC13001569.hg.1	12.41	10.84	0.0003	0.0116	DIS3		2.95

TC01004719.hg.1	8.5	6.94	9.37E-05	0.0066	LOC645166	lymphocyte-specific protein 1 pseudogene serum deprivation response	2.95
TC02002627.hg.1	5.93	4.37	0.0005	0.0148	SDPR	tenascin C	2.95
TC09001517.hg.1	14.37	12.82	0.0005	0.0145	TNC	HGH1 homolog	2.94
TC08000846.hg.1	7.85	6.3	0.0024	0.0337	HGH1	transcription elongation factor B (SIII), polypeptide 3 (110kDa, elongin A)	2.93
TC01000300.hg.1	11.34	9.79	0.0009	0.0196	TCEB3	DDB1 and CUL4 associated factor 13	2.92
TC08000648.hg.1	10.72	9.17	0.0048	0.0492	DCAF13		2.92
TC10000053.hg.1	7.93	6.38	0.003	0.0379	PFKFB3	6-phosphofructo- 2-kinase/fructose- 2,6- biphosphatase 3 serine/arginine- rich splicing factor 1	2.91
TC17001724.hg.1	13.78	12.24	0.0032	0.0387	SRSF1		2.91
TC08002291.hg.1	7.38	5.84	0.0025	0.034	RAB11FIP1	RAB11 family interacting protein 1 (class I)	2.91

TC11001005.hg.1	11.19	9.65	0.0012	0.0227 DLAT	dihydrolipoamide S- acetyltransferase	2.91
TC01001306.hg.1	10.15	8.62	8.02E-05	0.0063 SYT11	synaptotagmin XI	2.9
TC08000279.hg.1	9.5	7.97	2.42E-05	0.004 ADGRA2	adhesion G protein-coupled receptor A2	2.89
TC16000564.hg.1	13.79	12.26	0.0046	0.048 UTP4	UTP4 small subunit (SSU) processome component	2.89
TC15000614.hg.1	12.36	10.83	0.0015	0.026 ZWILCH	zwilch kinetochore protein	2.89
TC16001720.hg.1	15.02	13.49	0.0001	0.0074 TUBB3	tubulin, beta 3 class III	2.89
TC15000840.hg.1	8.89	7.36	0.0039	0.0435 AEN	apoptosis enhancing nuclease	2.88
TC10002791.hg.1	9.32	7.79	0.0004	0.0137 ARHGAP19-SL (NMD candidate)	ARHGAP19-SLIT1 readthrough	2.88
TC06000117.hg.1	10.35	8.83	0.0023	0.0329 KDM1B	lysine (K)-specific demethylase 1B	2.87
TC17000538.hg.1	13.71	12.19	0.0011	0.0222 PSME3	proteasome activator subunit 3	2.87

TC07001740.hg.1	9.5	7.98	7.75E-06	0.0026	CCDC71L	coiled-coil domain containing 71- like	2.87
TC0X001916.hg.1	10.72	9.2	0.0003	0.0118	HMGB3	high mobility group box 3 coagulation factor II (thrombin)	2.86
TC05000370.hg.1	10.38	8.87	0.0046	0.0479	F2R	receptor chromosome 19 open reading frame 52	2.86
TC19000189.hg.1	6.09	4.57	0.0045	0.0472	C19orf52	DEAD (Asp-Glu- Ala-Asp) box	2.85
TC20000385.hg.1	9.7	8.19	0.0048	0.0495	DDX27	polypeptide 27 homer scaffolding	2.85
TC19002691.hg.1	8.52	7.01	0.0045	0.0474	HOMER3	protein 3 M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotei	2.84
TC02000428.hg.1	10.34	8.84	0.0028	0.0361	MPHOSPH10	n) AhpC/TSA antioxidant enzyme domain	2.84
TC09001377.hg.1	9.71	8.21	0.0008	0.0187	AAED1	containing 1	2.84

TC01004481.hg.1	11.86	10.36	0.0018	0.0287 TYW3	tRNA-yW synthesizing protein 3 homolog (S. cerevisiae) heparan sulfate (glucosamine) 3- O- sulfotransferase	2.83
TC17000165.hg.1	8.91	7.41	0.0002	0.0092 HS3ST3B1	3B1 stress-induced phosphoprotein	2.83
TC11000585.hg.1	14.35	12.85	0.0045	0.0476 STIP1	1 heat shock 105kDa/110kDa	2.82
TC13000539.hg.1	13.87	12.37	0.0015	0.0259 HSPH1	protein 1 WD repeat	2.82
TC02003134.hg.1	13.44	11.94	0.0012	0.0228 WDR43	domain 43	2.82
TC15001469.hg.1	6.37	4.88	0.0035	0.041 PRTG	protogenin	2.81
TC06002240.hg.1	7.75	6.27	0.0009	0.0194 FBXO5	F-box protein 5 BTB (POZ) domain	2.81
TC15001764.hg.1	13.76	12.27	0.0015	0.0257 BTBD1	containing 1 apoptosis	2.81
TC11000360.hg.1	12.57	11.08	0.0014	0.0245 API5	inhibitor 5	2.81
TC05002478.hg.1	5.61	4.13	0.0003	0.0108 RASGRF2	Ras protein- specific guanine nucleotide- releasing factor 2	2.8
TC6_mcf_hap5000139.hg.	6.51	5.03	0.0005	0.0146 C6orf47	chromosome 6 open reading frame 47	2.8

TC6_qbl_hap6000154.hg.1	6.51	5.03	0.0005	0.0146 C6orf47	chromosome 6 open reading frame 47	2.8
TC6_ssto_hap7000134.hg.1	6.51	5.03	0.0005	0.0146 C6orf47	chromosome 6 open reading frame 47	2.8
TC15002245.hg.1	12.46	10.97	0.0007	0.0174 ZWILCH	zwilch kinetochore protein	2.8
TC01001473.hg.1	9.49	8.01	0.0027	0.0357 ATP1B1	ATPase, Na ⁺ /K ⁺ transporting, beta 1	2.79
TC17001647.hg.1	5.65	4.17	1.04E-05	0.0029 HOXB9	polypeptide homeobox B9	2.79
TC02003431.hg.1	11.23	9.75	0.0009	0.02 MRPL30	mitochondrial ribosomal protein L30	2.79
TC19000534.hg.1	8.27	6.79	0.0045	0.0473 NFKBIB	nuclear factor of kappa light polypeptide gene enhancer in B- cells inhibitor, beta	2.79
TC20000770.hg.1	6.3	4.83	0.0003	0.0115 SNTA1	syntrophin, alpha 1	2.78
TC07003019.hg.1	7.78	6.3	5.52E-05	0.0055 ABHD11	abhydrolase domain containing 11	2.78
TC08000602.hg.1	8.98	7.51	0.0022	0.0317 POP1	POP1 homolog, ribonuclease P/MRP subunit	2.78

TC10002935.hg.1	10.93	9.46	0.0007	0.0167 BMI1	BMI1 proto-oncogene, polycomb ring finger	2.77
TC08002364.hg.1	9.68	8.21	4.73E-06	0.0021 MYBL1	v-myb avian myeloblastosis viral oncogene homolog-like 1	2.77
TC03000173.hg.1	6.59	5.13	0.0005	0.0142 STAC	SH3 and cysteine rich domain histone acetyltransferase	2.75
TC02003690.hg.1	14.93	13.47	0.0003	0.0116 HAT1	1	2.74
TC07001889.hg.1	9.32	7.87	6.70E-06	0.0025 FAM180A	family with sequence similarity 180, member A	2.74
TC05000159.hg.1	7.77	6.31	0.0001	0.0069 IL7R	interleukin 7 receptor	2.74
TC11001911.hg.1	10.48	9.03	0.0015	0.0257 SF1	splicing factor 1	2.73
TC04001783.hg.1	6.67	5.22	0.0003	0.0102 LOC90768	uncharacterized LOC90768	2.73
TC04000503.hg.1	6.84	5.4	0.0008	0.0181 BMPR1B	bone morphogenetic protein receptor type IB	2.73
TC6_dbb_hap3000151.hg.	6.58	5.13	0.0014	0.0245 C6orf47	chromosome 6 open reading frame 47	2.73
TC20000821.hg.1	10.34	8.9	0.0038	0.0426 SAMHD1	SAM domain and HD domain 1	2.72

TC16000568.hg.1	11.92	10.47	0.0036	0.0414	NIP7, nucleolar pre-rRNA processing protein phosphoribosyl transferase domain	2.72
TC10001110.hg.1	9.68	8.24	0.0004	0.0135	PRTFDC1 containing 1 NUAK family, SNF1-like kinase, 1	2.72
TC12001916.hg.1	8.15	6.71	0.0003	0.0116	NUAK1 phosphatidylinositol 4-kinase type 2 alpha	2.71
TC10002958.hg.1	11.91	10.47	0.0036	0.0419	PI4K2A guanine nucleotide binding protein (G protein), gamma 2	2.71
TC14000303.hg.1	7.16	5.72	0.0029	0.0367	GNG2 cerebellar degeneration-related protein 2-like	2.71
TC17000838.hg.1	9.74	8.3	8.66E-05	0.0064	CDR2L meteorin, glial cell differentiation regulator-like	2.71
TC17000959.hg.1	8.82	7.38	0.0029	0.0369	METRNL leucine carboxyl methyltransferase 2	2.7
TC15001276.hg.1	8.17	6.74	0.004	0.044	LCMT2 ADP-ribosylation factor 6	2.7
TC14000280.hg.1	12.91	11.48	0.0028	0.0363	ARF6	2.7

TC06000015.hg.1	11.14	9.72	0.0006	0.0164	HMGN2P28	high mobility group nucleosomal binding domain 2 pseudogene 28	2.69
TC06003069.hg.1	7.71	6.29	0.0008	0.0182	MYB	v-myb avian myeloblastosis viral oncogene homolog	2.69
TC02000854.hg.1	9.9	8.48	0.0029	0.0367	LOC150776	sphingomyelin phosphodiesterase 4, neutral membrane (neutral sphingomyelinase-3) pseudogene	2.68
TC17000005.hg.1	7.73	6.31	0.0004	0.0137	RNMTL1	RNA methyltransferase like 1	2.68
TC12000815.hg.1	7.7	6.28	0.001	0.0208	C12orf45	chromosome 12 open reading frame 45	2.68
TC04001589.hg.1	6.75	5.34	0.0007	0.017	CLGN	calmegin	2.67
TC01003351.hg.1	9.94	8.52	0.0032	0.0391	ISG20L2	interferon stimulated exonuclease gene 20kDa like 2	2.67

TC0X000410.hg.1	10.91	9.49	9.42E-05	0.0066	SLC16A2	solute carrier family 16, member 2 (thyroid hormone transporter)	2.67
TC0X002243.hg.1	14.83	13.41	0.0022	0.0322	RBMX	RNA binding motif protein, X-linked anaphase promoting complex subunit	2.66
TC11002054.hg.1	9.02	7.61	0.0014	0.0248	ANAPC15	15 protein tyrosine kinase 2 beta	2.66
TC08001850.hg.1	6.32	4.92	0.0016	0.027	PTK2B	sine oculis binding protein	2.65
TC06000856.hg.1	7.62	6.22	5.66E-05	0.0055	SOBP	homolog	2.65
TC18000436.hg.1	4.75	3.35	4.56E-06	0.0021	DSC2	desmocollin 2 BMP2 inducible	2.65
TC04000440.hg.1	10.44	9.03	0.0004	0.0121	BMP2K	kinase	2.65
TC0X000231.hg.1	11.07	9.67	0.0043	0.0464	USP11	ubiquitin specific peptidase 11	2.64
TC10002952.hg.1	8.92	7.52	0.0004	0.0135	ARHGAP19	Rho GTPase activating protein 19	2.64
TC03003056.hg.1	6.18	4.78	1.44E-06	0.0015	MYLK	myosin light chain kinase	2.64
TC09001218.hg.1	10.46	9.06	0.0017	0.0277	CARNMT1	carnosine N-methyltransferase 1	2.63

TC02003640.hg.1	10.62	9.22	0.0006	0.0161	ARL6IP6	ADP-ribosylation factor like GTPase 6 interacting protein 6 ribosomal L1 domain	2.63
TC16000874.hg.1	15.26	13.86	0.003	0.0378	RSL1D1	containing 1 cell division cycle	2.63
TC06000617.hg.1	11.67	10.28	0.0018	0.0288	CDC5L	5-like family with sequence similarity 101,	2.61
TC17002426.hg.1	10.91	9.53	0.0031	0.0383	FAM101B	member B ChaC, cation transport regulator homolog 2 (E. coli)	2.61
TC02000310.hg.1	7.55	6.17	0.0022	0.0324	CHAC2	eukaryotic translation initiation factor	2.6
TC11000309.hg.1	14.23	12.85	0.0018	0.0285	EIF3M	3, subunit M kinesin family	2.6
TC10000644.hg.1	10.98	9.6	0.0002	0.0088	KIF20B	member 20B eukaryotic translation initiation factor	2.6
TC07000451.hg.1	11.27	9.89	0.003	0.0378	EIF4H	4H	2.6
TC01002985.hg.1	10.05	8.67	0.0003	0.0112	WDR77	WD repeat domain 77	2.6

					myristoylated alanine-rich protein kinase C substrate	
TC06003006.hg.1	14.69	13.31	0.0011	0.0217 MARCKS		2.59
TC05001381.hg.1	5.4	4.03	0.0039	0.0433 ACTBL2	actin, beta-like 2 tRNA methyltransferase 10C, mitochondrial RNase P subunit tyrosine 3- monooxygenase/ tryptophan 5- monooxygenase activation protein, zeta pseudogene 3 histone	2.59
TC03002440.hg.1	10.37	9	0.0017	0.0273 TRMT10C		2.58
TC10000164.hg.1	17.15	15.78	0.0007	0.0167 YWHAZP3		2.58
TC06003812.hg.1	13.56	12.19	0.0028	0.0364 HDAC2	deacetylase 2 GTP binding protein 4	2.58
TC10000008.hg.1	11.65	10.28	0.0015	0.0257 GTPBP4	potassium channel, two pore domain subfamily K, member 2	2.58
TC01001792.hg.1	12.72	11.35	0.0029	0.0367 KCNK2	zinc finger, CCCH- type with G- patch domain RCAN family member 3	2.57
TC20001735.hg.1	7.81	6.44	0.0038	0.0428 ZGPAT		2.57
TC01000311.hg.1	7.7	6.33	0.0007	0.0178 RCAN3	ATPase type 13A1	2.57
TC19001307.hg.1	8.58	7.22	0.0045	0.0472 ATP13A1		2.56

TC02002966.hg.1	12.96	11.6	0.0008	0.0178 ACP1	acid phosphatase 1, soluble tyrosine 3- monooxygenase/ tryptophan 5- monooxygenase activation	2.56
TC08002451.hg.1	17.76	16.4	0.0006	0.0156 YWHAZ	protein, zeta	2.56
TC06001057.hg.1	6.15	4.79	0.0003	0.0112 STX11	syntaxin 11	2.56
TC01003416.hg.1	12.17	10.82	0.0003	0.0103 PFDN2	prefoldin subunit 2	2.56
TC07003105.hg.1	8.66	7.3	3.15E-05	0.0044 CCDC71L	coiled-coil domain containing 71- like	2.55
TC0X001544.hg.1	7.94	6.59	0.0028	0.0365 MPP1	membrane protein, palmitoylated 1	2.55
TC11001312.hg.1	4.82	3.47	0.0008	0.0188 OR51E2	olfactory receptor, family 51, subfamily E, member 2	2.55
TC04001471.hg.1	8.1	6.75	0.0028	0.0363 PITX2	paired-like	2.55
TC15001541.hg.1	13.62	12.26	0.0007	0.0168 CA12	homeodomain 2	2.55
TC17001925.hg.1	10.61	9.26	0.0018	0.0287 CANT1	carbonic anhydrase XII	2.55
TC16001226.hg.1	12.91	11.56	6.47E-05	0.0058 NOB1	calcium activated nucleotidase 1 NIN1/RPN12 binding protein 1 homolog	2.55

TC18000527.hg.1	10.15	8.81	0.0017	0.0275 TCF4	transcription factor 4	2.54
TC19002169.hg.1	15.12	13.77	0.0046	0.0479 CLPTM1	cleft lip and palate associated transmembrane protein 1	2.54
TC09000671.hg.1	10.95	9.61	0.0032	0.0393 CDK9; MIR2861; microRNA 2861; microRNA 3960	cyclin-dependent kinase 9; microRNA 2861; microRNA 3960	2.54
TC06003447.hg.1	5.91	4.56	0.0002	0.008 LOC101928076	LOC101928076 uncharacterized	2.53
TC13001497.hg.1	10.49	9.15	0.0042	0.0454 SPRYD7	SPRY domain containing 7	2.53
TC01003523.hg.1	5.4	4.06	0.0023	0.033 TNFSF18	tumor necrosis factor (ligand) superfamily, member 18	2.53
TC0X001291.hg.1	8.06	6.72	0.0039	0.0437 LRCH2	leucine-rich repeats and calponin homology (CH) domain containing 2	2.53
TC06000796.hg.1	6.38	5.04	0.0001	0.0076 PM20D2	peptidase M20 domain containing 2	2.53

					phosphoribosyl aminoimidazole carboxylase, phosphoribosyl aminoimidazole succinocarboxam ide synthetase	
TC04000331.hg.1	11.56	10.22	0.0008	0.0179 PAICS	DNA meiotic recombinase 1	2.52
TC22000792.hg.1	7.05	5.71	0.0029	0.0367 DMC1	SUMO1 activating enzyme subunit 1	2.52
TC19002180.hg.1	14.9	13.57	0.0012	0.0231 SAE1	parathyroid hormone-like hormone	2.52
TC12001341.hg.1	6.26	4.93	0.0015	0.0257 PTHLH	PDZ and LIM domain 1	2.51
TC10001549.hg.1	11.47	10.14	2.76E-05	0.0042 PDLIM1	nucleolar protein 7	2.51
TC06000094.hg.1	11.69	10.36	0.0037	0.0426 NOL7		
					GTPase activating protein (SH3 domain) binding protein 1	
TC05000844.hg.1	12.63	11.3	0.0019	0.0294 G3BP1	glutamic- oxaloacetic transaminase 2, mitochondrial	2.51
TC16001158.hg.1	12.25	10.93	0.0018	0.0287 GOT2		2.5

					SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	2.5
TC04000701.hg.1	12.55	11.23	0.0012	0.0225 SMARCA5		
TC20000051.hg.1	11.91	10.59	0.004	0.044 PRNP	prion protein	2.5
					bromodomain adjacent to zinc finger domain 1A	2.5
TC14001967.hg.1	12.4	11.08	0.0033	0.0395 BAZ1A		
TC17002825.hg.1	19.6	18.28	0.0032	0.039 ACTG1	actin gamma 1	2.49
					high mobility group nucleosomal binding domain 2 biogenesis of lysosomal organelles complex-1, subunit 3	2.49
TC01000346.hg.1	13.72	12.4	0.0015	0.0253 HMGN2		
					chromosome 16 open reading frame 74	2.48
TC19000643.hg.1	7.27	5.96	0.0012	0.0231 BLOC1S3		
TC16001319.hg.1	5.98	4.67	0.001	0.0208 C16orf74	ribosomal protein L7	2.48
TC08002382.hg.1	13.66	12.35	0.0005	0.0146 RPL7	pseudouridylate synthase 7-like	2.48
TC12001412.hg.1	10.94	9.64	0.0009	0.0198 PUS7L		2.47

TC02001997.hg.1	8.74	7.44	0.0029	0.0369 MOGS	mannosyl- oligosaccharide glucosidase	2.47
TC08001068.hg.1	5.39	4.09	0.0036	0.0419 NEFL	neurofilament, light polypeptide	2.46
TC12002578.hg.1	4.85	3.56	0.0005	0.0142 TBX5-AS1	TBX5 antisense RNA 1	2.46
TC09002930.hg.1	10.92	9.63	0.0002	0.0096 POLR1E	polymerase (RNA) I	2.46
TC04002517.hg.1	16.71	15.42	0.0009	0.0198 UGDH	polypeptide E UDP-glucose 6- dehydrogenase	2.46
TC09001684.hg.1	8.17	6.87	0.0039	0.0439 SURF6	surfeit 6	2.45
TC12000747.hg.1	11.91	10.61	0.0003	0.0119 ELK3	ELK3, ETS- domain protein (SRF accessory protein 2)	2.45
TC18000500.hg.1	8.31	7.02	0.0024	0.0333 SMAD7	SMAD family member 7	2.45
TC01001905.hg.1	7.51	6.22	0.0008	0.0184 URB2	URB2 ribosome biogenesis 2 homolog (S. cerevisiae)	2.45
TC01000420.hg.1	11.98	10.68	0.0006	0.0159 TXLNA	taxilin alpha	2.45
TC04000989.hg.1	9.99	8.7	0.0002	0.009 LYAR	Ly1 antibody reactive	2.44
TC04001682.hg.1	10.03	8.75	7.56E-05	0.0061 FAM198B	family with sequence similarity 198, member B	2.44
TC03000154.hg.1	6.2	4.91	0.0022	0.0317 ZNF860	zinc finger protein 860	2.44
TC17001571.hg.1	13.97	12.68	0.0006	0.0158 LSM12	LSM12 homolog	2.44

TC02000187.hg.1	12.79	11.51	0.0014	0.0245 WDR43	WD repeat domain 43	2.44
TC12000207.hg.1	9.77	8.48	3.14E-05	0.0044 MGST1	microsomal glutathione S-transferase 1	2.44
TC12003294.hg.1	7.52	6.23	0.0034	0.0404 HOXC9	homeobox C9	2.43
TC19001565.hg.1	6.92	5.64	0.0006	0.0162 POU2F2	POU class 2 homeobox 2	2.43
TC14001206.hg.1	12.12	10.84	0.0022	0.0322 PPP2R5E	protein phosphatase 2, regulatory subunit B, epsilon isoform	2.43
TC19000232.hg.1	18.58	17.29	0.0009	0.0198 CALR	calreticulin	2.43
TC07000516.hg.1	10.67	9.39	0.0026	0.0349 HMGN2P11	high mobility group nucleosomal binding domain 2 pseudogene 11	2.43
TC17002655.hg.1	11.47	10.19	0.0007	0.0168 UBTF	upstream binding transcription factor, RNA polymerase I	2.43
TC02000259.hg.1	6.11	4.83	0.0001	0.0077 PKDCC	protein kinase domain containing, cytoplasmic	2.42
TC09001645.hg.1	7.42	6.14	4.03E-05	0.0049 IER5L	immediate early response 5-like	2.42

TC10000266.hg.1	12.3	11.03	0.0021	0.0315 BMS1	BMS1 ribosome biogenesis factor	2.42
TC03001858.hg.1	8.39	7.12	2.64E-05	0.0042 PCOLCE2	procollagen C-endopeptidase enhancer 2	2.42
TC01000861.hg.1	12.74	11.47	0.0048	0.0493 DR1	down-regulator of transcription 1	2.42
TC08001973.hg.1	9.59	8.32	0.0014	0.0249 MSC-AS1	MSC antisense RNA 1	2.41
TC20000600.hg.1	8.66	7.39	0.0033	0.0399 TRMT6	tRNA methyltransferase 6	2.41
TC15002287.hg.1	6.64	5.37	0.003	0.0373 MAN2C1	mannosidase, alpha, class 2C, member 1	2.41
TC12001789.hg.1	6.16	4.89	0.0033	0.0395 MKRN9P	makorin ring finger protein 9, pseudogene	2.41
TC13000523.hg.1	12.94	11.68	0.003	0.0378 SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	2.4
TC01002568.hg.1	7.16	5.9	0.0021	0.031 HIVEP3	human immunodeficiency virus type I enhancer binding protein 3	2.4
TC16000634.hg.1	12.12	10.86	0.0047	0.0487 CENPN	centromere protein N	2.4

TC19000557.hg.1	13.37	12.11	0.0021	0.0311 PSMC4	proteasome 26S subunit, ATPase 4	2.4
TC06002157.hg.1	7.85	6.59	0.0007	0.0166 PERP	PERP, TP53 apoptosis effector	2.39
TC0X000512.hg.1	4.86	3.6	2.39E-05	0.004 NRK	Nik related kinase	2.39
TC09000740.hg.1	10.13	8.88	0.004	0.0444 EXOSC2	exosome component 2	2.38
TC03001525.hg.1	8.16	6.91	0.0033	0.0399 PRICKLE2	prickle homolog 2	2.38
TC01001412.hg.1	6.08	4.83	0.0008	0.0178 FCRLB	Fc receptor-like B tripartite motif	2.38
TC03003399.hg.1	9.18	7.94	7.48E-05	0.0061 TRIM59	containing 59	2.37
TC11002324.hg.1	10.94	9.7	0.001	0.0207 ZPR1	ZPR1 zinc finger odd-skipped related transcription factor 2	2.37
TC08000606.hg.1	5.6	4.36	8.13E-05	0.0063 OSR2	isochorismatase domain	2.37
TC05000615.hg.1	8.75	7.51	0.0002	0.0083 ISOC1	containing 1 solute carrier family 39 (zinc transporter), member 14	2.36
TC08000170.hg.1	10.36	9.12	0.0036	0.0415 SLC39A14	heterogeneous nuclear ribonucleoprotein A1 pseudogene	2.36
TC12002381.hg.1	17.91	16.67	0.0012	0.0225 HNRNPA1P10 10		2.36

TC22001483.hg.1	6.63	5.39	0.0016	0.0268 SCARF2	scavenger receptor class F, member 2	2.36
TC07003017.hg.1	11.54	10.3	0.0007	0.0166 BCL7B	B-cell CLL/lymphoma 7B	2.36
TC04002948.hg.1	7.3	6.06	0.0003	0.0109 MGARP	mitochondria localized glutamic acid rich protein	2.35
TC12000781.hg.1	10.64	9.41	0.0018	0.0284 UTP20	UTP20 small subunit (SSU) processome component	2.35
TC20001221.hg.1	13.62	12.39	0.0003	0.0116 TOP1	topoisomerase (DNA) I	2.35
TC19002230.hg.1	6.26	5.02	5.10E-05	0.0053 CACNG8	calcium channel, voltage- dependent, gamma subunit 8	2.35
TC10000362.hg.1	14.37	13.14	0.0002	0.009 BICC1	BicC family RNA binding protein 1	2.35
TC02000364.hg.1	11.01	9.78	0.0033	0.0394 UGP2	UDP-glucose pyrophosphoryla se 2	2.34
TC07002773.hg.1	19.27	18.05	0.0023	0.0325 ACTB	actin, beta	2.34
TC09000812.hg.1	10.24	9.01	0.0003	0.0115 PMPCA	peptidase (mitochondrial processing) alpha	2.34
TC09001688.hg.1	12.9	11.68	0.0044	0.0466 SURF4	surfeit 4	2.33

TC17001118.hg.1	11.44	10.22	0.0015	0.0259 MYH10	myosin, heavy chain 10, non-muscle	2.33
TC15001766.hg.1	11.94	10.71	9.36E-06	0.0027 HDGFRP3	hepatoma-derived growth factor, related protein 3	2.33
TC14000219.hg.1	12.47	11.25	0.0016	0.0272 SRP54	signal recognition particle 54kDa	2.33
TC03000722.hg.1	14.29	13.07	0.0002	0.008 CDV3	CDV3 homolog (mouse)	2.33
TC15002699.hg.1	11.77	10.55	0.0025	0.0342 AP3S2	adaptor-related protein complex 3, sigma 2 subunit	2.33
TC09001403.hg.1	7.4	6.18	0.0028	0.0361 TRIM14	tripartite motif containing 14	2.33
TC10000802.hg.1	11.74	10.52	0.0011	0.0217 SMC3	structural maintenance of chromosomes 3	2.33
TC03002038.hg.1	10.94	9.73	0.0013	0.0236 GNB4	guanine nucleotide binding protein (G protein), beta polypeptide 4	2.32
TC14000602.hg.1	8.87	7.66	0.0048	0.0495 GSKIP	GSK3B interacting protein	2.32
TC06001902.hg.1	9.39	8.18	7.08E-06	0.0025 ELOVL4	ELOVL fatty acid elongase 4	2.31

TC12002728.hg.1	15.43	14.23	0.0041	0.0448 MLF2	myeloid leukemia factor 2	2.31
TC14000943.hg.1	9.3	8.09	0.0003	0.0105 AJUBA	ajuba LIM protein	2.31
TC06001340.hg.1	8.05	6.84	0.0009	0.0197 HIST1H1A	histone cluster 1, H1a	2.31
TC17000991.hg.1	11.66	10.46	0.0041	0.0447 TSR1	TSR1, 20S rRNA accumulation, homolog (S. cerevisiae)	2.3
TC07000517.hg.1	12.81	11.61	0.0032	0.0387 HNRNPA1P8	heterogeneous nuclear ribonucleoprotein A1 pseudogene 8	2.3
TC03001766.hg.1	13.73	12.54	0.0021	0.031 CNBP	CCHC-type zinc finger, nucleic acid binding protein	2.29
TC17000636.hg.1	7.57	6.37	3.31E-07	0.0009 IGF2BP1	insulin-like growth factor 2 mRNA binding protein 1	2.29
TC08002257.hg.1	11.6	10.41	0.0028	0.0361 TNFRSF10B	tumor necrosis factor receptor superfamily, member 10b	2.28
TC17001572.hg.1	8.12	6.93	0.0003	0.0105 HDAC5	histone deacetylase 5	2.28

TC09001258.hg.1	6.9	5.71	0.0004	0.012 TLE1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	2.27
TC07001880.hg.1	11.28	10.09	0.0007	0.0168 SLC35B4	solute carrier family 35 (UDP-xylose/UDP-N-acetylglucosamine transporter), member B4	2.27
TC13000576.hg.1	17.09	15.91	8.14E-05	0.0063 POSTN	periostin, osteoblast specific factor	2.27
TC08001641.hg.1	13.01	11.83	0.0002	0.009 ASAP1	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1	2.27
TC14001772.hg.1	13.15	11.98	0.0014	0.0249 DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	2.26
TC01000707.hg.1	10.36	9.19	0.0004	0.0126 USP1	ubiquitin specific peptidase 1	2.25
TC16001225.hg.1	14.56	13.39	0.001	0.0202 NQO1	NAD(P)H dehydrogenase, quinone 1	2.25
TC01001559.hg.1	13.63	12.46	0.0046	0.0479 QSOX1	quiescin Q6 sulfhydryl oxidase 1	2.25

TC02004675.hg.1	7.71	6.54	0.0013	0.0242 SCN9A	sodium channel, voltage gated, type IX alpha subunit	2.25
TC13001318.hg.1	13.26	12.09	0.0009	0.0196 TFDP1	transcription factor Dp-1	2.25
TC01001274.hg.1	11.26	10.09	0.0044	0.0467 ATP8B2	ATPase, aminophospholip id transporter, class I, type 8B, member 2	2.25
TC01000548.hg.1	9.95	8.79	8.30E-05	0.0063 PTPRF	protein tyrosine phosphatase, receptor type, F SPT3 homolog, SAGA and STAGA complex	2.23
TC06003663.hg.1	8.12	6.96	0.0003	0.0101 SUPT3H	component atonal bHLH transcription	2.23
TC02003376.hg.1	7.05	5.89	0.0001	0.0076 ATOH8	factor 8	2.23
TC07000055.hg.1	10.53	9.38	0.0001	0.0078 FSCN1	fascin actin- bundling protein 1	2.23
TC08002502.hg.1	9.11	7.95	0.0015	0.0253 ZHX1	zinc fingers and homeoboxes 1	2.22
TC12001435.hg.1	10.79	9.64	0.0045	0.0474 RPAP3	RNA polymerase II associated protein 3	2.22

TC02002320.hg.1	9.88	8.73	0.0029	0.0366 SMPD4	sphingomyelin phosphodiesterase 4, neutral membrane (neutral sphingomyelinase-3) glycerol-3-phosphate acyltransferase 2,	2.22
TC02000577.hg.1	6.68	5.54	0.0031	0.0381 GPAT2	mitochondrial ornithine	2.21
TC02001570.hg.1	13.9	12.75	0.0006	0.0157 ODC1	decarboxylase 1	2.21
TC10001579.hg.1	4.9	3.76	0.0004	0.0129 HPSE2	heparanase 2 (inactive) atypical chemokine	2.21
TC03000716.hg.1	5.44	4.3	0.0004	0.0129 ACKR4	receptor 4 polymerase (RNA) II (DNA directed) polypeptide I,	2.21
TC19001462.hg.1	8.37	7.23	0.0046	0.0478 POLR2I	14.5kDa uracil DNA	2.21
TC12000843.hg.1	8.44	7.3	0.0013	0.024 UNG	glycosylase SH3-domain GRB2-like 1	2.21
TC17002154.hg.1	8.64	7.5	0.0035	0.0413 SH3GL1P2	pseudogene 2	2.2

TC01000109.hg.1	12.76	11.63	0.0032	0.0389 HMGN2P17	high mobility group nucleosomal binding domain 2 pseudogene 17	2.2
TC17001781.hg.1	6.96	5.83	0.0006	0.0164 CYB561	cytochrome b561	2.2
TC13000727.hg.1	11.33	10.2	0.0017	0.0275 DIS3	DIS3 homolog, exosome endoribonucleas e and 3-5 exoribonuclease	2.19
TC11000451.hg.1	4.75	3.62	0.0018	0.0285 OR8K1	olfactory receptor, family 8, subfamily K, member 1	2.19
TC10000189.hg.1	9.84	8.71	0.0046	0.048 MASTL	microtubule associated serine/threonine kinase-like	2.19
TC03001599.hg.1	9.48	8.35	0.0017	0.028 MINA	MYC induced nuclear antigen cAMP-regulated phosphoprotein	2.19
TC15001457.hg.1	13.19	12.06	0.0043	0.0462 ARPP19	19kDa	2.18
TC14001451.hg.1	13.29	12.16	0.0024	0.0337 LGMN	legumain	2.18
TC11000790.hg.1	10.6	9.48	0.0022	0.0323 POLD3	polymerase (DNA- directed), delta 3, accessory subunit	2.18

TC04001565.hg.1	13.35	12.22	0.0001	0.0077 PCDH18	protocadherin 18	2.18
TC04002955.hg.1	4.62	3.49	4.88E-06	0.0022 ARAP2	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	2.18
TC03001489.hg.1	6.18	5.06	0.0023	0.0328 IL17RD	interleukin 17 receptor D	2.18
TC10002137.hg.1	15.35	14.24	0.0009	0.0189 VDAC2	voltage-dependent anion channel 2	2.17
TC12001413.hg.1	12.07	10.96	0.0002	0.0096 TWF1	twinfilin actin binding protein 1	2.17
TC04000709.hg.1	13.02	11.9	0.0031	0.0385 ABCE1	ATP binding cassette subfamily E member 1	2.16
TC02001922.hg.1	15.05	13.94	0.0039	0.0437 RAB1A	RAB1A, member RAS oncogene family	2.16
TC15001576.hg.1	9.59	8.47	0.0016	0.0272 TIPIN	TIMELESS interacting protein	2.16
TC03001532.hg.1	9.62	8.51	0.0002	0.0094 LRIG1	leucine-rich repeats and immunoglobulin-like domains 1	2.16
TC04000683.hg.1	12.03	10.92	0.0017	0.0272 NAA15	N(alpha)-acetyltransferase 15, NatA auxiliary subunit	2.16

TC07003356.hg.1	7.54	6.43	0.0045	0.0473 URGCP	upregulator of cell proliferation cholinergic receptor,	2.15
TC01005141.hg.1	3.9	2.8	0.0022	0.0323 CHRM3	muscarinic 3	2.15
TC17002467.hg.1	11.21	10.1	0.0025	0.0346 TMEM256-PL1	TMEM256- PLSCR3 readthrough (NMD candidate)	2.15
TC11001860.hg.1	18.22	17.12	0.0011	0.0224 FTH1	ferritin, heavy polypeptide 1	2.14
TC01002701.hg.1	12.07	10.97	0.0031	0.0385 PLPP3	phospholipid phosphatase 3	2.14
TC08001238.hg.1	13.33	12.23	0.0023	0.0327 IMPAD1	inositol monophosphatas e domain containing 1	2.14
TC05002092.hg.1	8.78	7.69	0.0008	0.0185 NOP16	NOP16 nucleolar protein	2.14
TC12000616.hg.1	14.13	13.03	0.0033	0.0396 CCT2	chaperonin containing TCP1, subunit 2 (beta)	2.14
TC04001809.hg.1	9.09	7.99	0.002	0.0304 ACSL1	acyl-CoA synthetase long- chain family member 1	2.14
TC10001126.hg.1	14.55	13.46	0.0029	0.0368 YME1L1	YME1-like 1	2.14
TC14001058.hg.1	6.27	5.17	0.0017	0.028 LINC00517	ATPase long intergenic non-protein coding RNA 517	2.14

TC19000672.hg.1	13.78	12.68	0.0012	0.0227 SAE1	SUMO1 activating enzyme subunit 1	2.14
TC12003075.hg.1	5.39	4.29	0.0032	0.0389 SVOP	SV2 related protein ADP-ribosylation factor like	2.14
TC02002891.hg.1	9.69	8.6	0.0043	0.0465 ARL4C	GTPase 4C	2.13
TC16000483.hg.1	10.64	9.55	0.0002	0.0089 CPNE2	copine II	2.13
TC22000873.hg.1	8.45	7.36	0.004	0.0446 KIAA0930	KIAA0930	2.13
TC11001066.hg.1	15.22	14.13	0.0002	0.0099 ARCN1	archain 1 sodium channel, voltage gated, type IX alpha subunit	2.13
TC02002499.hg.1	7.89	6.81	0.0016	0.0265 SCN9A	DEAH (Asp-Glu- Ala-His) box helicase 9	2.13
TC11000425.hg.1	7.06	5.97	0.0039	0.0437 LOC646813	pseudogene bone morphogenetic protein 4	2.13
TC14001148.hg.1	7.15	6.07	6.63E-06	0.0025 BMP4	InaF-motif	2.12
TC19000675.hg.1	7.63	6.55	0.0034	0.0406 INAFM1	containing 1 NOP2/Sun RNA methyltransferas e family,	2.12
TC05002839.hg.1	12.03	10.95	0.0015	0.0257 NSUN2	member 2 FERM domain	2.12
TC10001053.hg.1	10.29	9.21	0.0008	0.018 FRMD4A	containing 4A	2.12

TC05000401.hg.1	5.21	4.13	0.0009	0.0195	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	2.12
TC01000187.hg.1	10.44	9.36	0.0008	0.0187	EFHD2	EF-hand domain family member D2	2.12
TC11002240.hg.1	11.07	9.99	0.0033	0.0396	DCUN1D5	DCN1, defective in cullin neddylation 1, domain containing 5	2.12
TC12002425.hg.1	6.9	5.82	1.70E-05	0.0035	IRAK3	interleukin 1 receptor associated kinase 3	2.12
TC07001540.hg.1	13.61	12.54	0.0001	0.0072	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma	2.11
TC05000154.hg.1	11.91	10.83	0.0036	0.0415	BRX1	BRX1, biogenesis of ribosomes	2.11
TC17001759.hg.1	6.82	5.75	0.0037	0.0422	WFDC21P	WAP four-disulfide core domain 21, pseudogene	2.1
TC17001966.hg.1	10.78	9.71	0.0016	0.0268	PYCR1	pyrroline-5-carboxylate reductase 1	2.1

TC17002887.hg.1	9.96	8.89	0.0038	0.0426	PLSCR3	phospholipid scramblase 3	2.1
TC11001859.hg.1	7.12	6.05	0.0002	0.0094	RAB3IL1	RAB3A interacting protein (rabin3)- like 1	2.09
TC06001988.hg.1	8.52	7.45	0.0005	0.0144	PDSS2	prenyl (decaprenyl) diphosphate synthase, subunit 2	2.09
TC13000128.hg.1	9.26	8.19	0.0021	0.031	EXOSC8	exosome component 8	2.09
TC11000972.hg.1	5.53	4.47	0.0014	0.0246	ELMOD1	ELMO/CED-12 domain containing 1	2.09
TC0X000635.hg.1	11.43	10.37	0.0022	0.0321	PHF6	PHD finger protein 6	2.09
TC0X000494.hg.1	6.69	5.62	0.0004	0.0125	TCEAL7	transcription elongation factor A (SII)-like 7	2.09
TC10000915.hg.1	10.42	9.36	0.0012	0.0234	BCCIP	BRCA2 and CDKN1A interacting protein	2.09
TC14000465.hg.1	13.03	11.97	0.0014	0.0243	DLST	dihydrolipoamide S- succinyltransfera se (E2 component of 2- oxo-glutarate complex)	2.08

TC15000124.hg.1	4.88	3.82	0.0004	0.0123	GABRA5	gamma-aminobutyric acid (GABA) A receptor, alpha 5	2.08
TC20000063.hg.1	11.61	10.56	0.0027	0.0356	MCM8	minichromosome maintenance 8	2.08
TC03002094.hg.1	4.83	3.78	0.0046	0.0482	SST	homologous recombination repair factor	2.08
TC14001190.hg.1	9.96	8.91	0.0026	0.0349	TRMT5	somatostatin tRNA methyltransferase 5	2.08
TC02002104.hg.1	12.9	11.85	0.0048	0.0494	STARD7	StAR-related lipid transfer domain containing 7	2.08
TC07001184.hg.1	9.55	8.5	0.0002	0.0086	CDCA7L	cell division cycle associated 7-like	2.08
TC13000336.hg.1	12.92	11.87	0.0026	0.0349	DNAJC3	DnaJ (Hsp40) homolog, subfamily C, member 3	2.07
TC02000865.hg.1	6.16	5.11	0.0024	0.0335	GPR39	G protein-coupled receptor 39	2.07
TC0X000536.hg.1	8.51	7.47	0.0021	0.031	NXT2	nuclear transport factor 2-like export factor 2	2.07

TC02001024.hg.1	10.37	9.33	0.0011	0.0222 HAT1	histone acetyltransferase 1	2.07
TC17000437.hg.1	8.98	7.93	0.0013	0.0235 PIGW	phosphatidylinositol glycan anchor biosynthesis class W	2.06
TC07000329.hg.1	9.5	8.46	0.0031	0.0381 LANCL2	LanC lantibiotic synthetase component C-like 2 (bacterial)	2.06
TC05002648.hg.1	13.86	12.82	0.0027	0.0355 MATR3; SNHG	matrin 3; small nucleolar RNA host gene 4	2.06
TC05001933.hg.1	11.98	10.94	0.0007	0.0175 PDGFRB	platelet-derived growth factor receptor, beta	2.06
TC03000104.hg.1	7.38	6.34	0.0009	0.0192 PLCL2; MIR37	polypeptide phospholipase C-like 2; microRNA 3714	2.06
TC14001595.hg.1	8.33	7.29	0.0024	0.0336 BCL2L2	BCL2-like 2	2.06
TC02000215.hg.1	9.59	8.54	0.001	0.0207 TTC27	tetratricopeptide repeat domain 27	2.06
TC05001120.hg.1	6.52	5.48	0.0003	0.0105 IRX2	iroquois homeobox 2	2.06
TC17001137.hg.1	7.42	6.38	0.0008	0.0178 TMEM220	transmembrane protein 220	2.06
TC04001467.hg.1	10.05	9.01	0.0002	0.0084 ELOVL6	ELOVL fatty acid elongase 6	2.06

					solute carrier family 25 (pyrimidine nucleotide carrier), member	
TC01000116.hg.1	9.46	8.42	0.0035	0.0412 SLC25A33	33	2.06
TC08000594.hg.1	15.04	14	0.0042	0.0453 MTDH	metadherin	2.06
TC17001873.hg.1	14.44	13.4	0.0003	0.0104 SUMO2	small ubiquitin- like modifier 2	2.05
					UDP- GlcNAc:betaGal beta-1,3-N- acetylglucosamin yltransferase 9	
TC16001179.hg.1	8.03	6.99	0.0009	0.019 B3GNT9	polysaccharide biosynthesis domain	2.05
TC0X000417.hg.1	9.84	8.8	0.0009	0.0201 PBDC1	containing 1 CKLF-like MARVEL transmembrane domain	2.05
TC16001601.hg.1	9.88	8.84	0.0033	0.0398 CMTM3	containing 3 DOT1-like histone H3K79 methyltransferas e	2.05
TC19000049.hg.1	8.08	7.04	0.0012	0.0225 DOT1L	heterogeneous nuclear ribonucleoprotei n A1 pseudogene	2.05
TC10001238.hg.1	13.14	12.11	0.0012	0.023 HNRNPA1P33	33	2.05

TC01001595.hg.1	9.16	8.13	0.0012	0.0229 RNF2	ring finger protein 2	2.05
TC15000724.hg.1	12.47	11.44	0.004	0.0445 IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	2.05
TC08001852.hg.1	8.15	7.12	0.0003	0.0115 ESCO2	establishment of sister chromatid cohesion N-acetyltransferase 2	2.04
TC06003084.hg.1	13.34	12.31	0.0002	0.0101 TNFAIP3	tumor necrosis factor, alpha-induced protein 3	2.03
TC19000627.hg.1	7.38	6.35	0.0003	0.0115 BCL3	B-cell CLL/lymphoma 3	2.03
TC17001644.hg.1	7.05	6.03	0.0006	0.0161 HOXB5	homeobox B5	2.03
TC03000149.hg.1	14.27	13.24	0.0002	0.0084 TGFBR2	transforming growth factor beta receptor II uncharacterized	2.03
TC11001483.hg.1	4.81	3.79	0.0028	0.0362 LOC10012678	LOC100126784 eukaryotic translation initiation factor 2, subunit 1	2.03
TC14000406.hg.1	12.43	11.41	0.0048	0.0491 EIF2S1	alpha, 35kDa	2.03
TC07001219.hg.1	6.02	5	0.0004	0.013 HOXA2	homeobox A2	2.03
TC07001177.hg.1	8.6	7.59	0.0001	0.0076 TWISTNB	TWIST neighbor metastasis	2.02
TC08001602.hg.1	6.7	5.68	0.0004	0.0132 MTSS1	suppressor 1	2.02

TC05000234.hg.1	12.28	11.27	0.0039	0.0434 SKIV2L2	superkiller viralicidic activity 2-like 2 (S. cerevisiae)	2.02
TC03000152.hg.1	14.76	13.75	0.0002	0.0092 STT3B	STT3B, subunit of the oligosaccharyltra nsferase complex (catalytic)	2.02
TC01002258.hg.1	8.06	7.05	0.0002	0.0092 EPHA2	EPH receptor A2	2.01
TC07002404.hg.1	7.79	6.78	0.0001	0.0076 ELN	elastin	2.01
TC08000646.hg.1	10.51	9.5	0.0013	0.0236 CTHRC1	collagen triple helix repeat containing 1 CCAAT/enhancer binding protein	2.01
TC02001741.hg.1	11.37	10.36	0.0036	0.0413 CEBPZ	(C/EBP), zeta WD repeat	2.01
TC05000519.hg.1	11.82	10.82	0.0043	0.0459 WDR36	domain 36	2.01
TC10001744.hg.1	15.42	14.42	0.0002	0.0088 ADAM12	ADAM metallopeptidase domain 12	2
TC17001807.hg.1	6.99	6	0.0033	0.0395 AMZ2P1	archaelysin family metallopeptidase 2 pseudogene 1	2
TC02001071.hg.1	9.56	8.57	4.11E-05	0.0049 OSBPL6; MIR5	oxysterol binding protein-like 6;	1.99
TC20000742.hg.1	6.99	6	0.0022	0.032 MIR663A	microRNA 548n microRNA 663a	1.99

TC01001804.hg.1	10.58	9.58	0.0005	0.0148 RRP15	ribosomal RNA processing 15 homolog TBC1 domain family, member 9 (with GRAM domain) protein phosphatase 1, regulatory subunit 8 centriolar coiled coil protein	1.99
TC04001592.hg.1	10.18	9.19	0.0001	0.0078 TBC1D9	110kDa dual specificity phosphatase 4 dedicator of cytokinesis 11 adhesion regulating molecule 1 vaccinia related	1.99
TC01000370.hg.1	8.38	7.39	0.0018	0.0284 PPP1R8	kinase 2 FERM domain containing 6 v-myb avian myeloblastosis viral oncogene homolog-like 1 ribosomal L24 domain containing 1 pseudogene 11	1.99
TC16000215.hg.1	8.81	7.82	0.0033	0.0399 CCP110		1.99
TC08001099.hg.1	5.48	4.49	2.69E-05	0.0042 DUSP4		1.98
TC0X000574.hg.1	10.08	9.1	0.0018	0.0289 DOCK11		1.98
TC20000487.hg.1	10.11	9.12	0.0025	0.0339 ADRM1		1.98
TC02003252.hg.1	11.38	10.39	0.0006	0.0153 VRK2		1.98
TC14000297.hg.1	13.55	12.57	0.0022	0.0316 FRMD6		1.98
TC08001286.hg.1	9.03	8.05	7.47E-06	0.0026 MYBL1		1.97
TC18000201.hg.1	5.2	4.22	0.0016	0.0268 RSL24D1P11		1.97

TC01003349.hg.1	8.26	7.29	0.0012	0.0228 CRABP2	cellular retinoic acid binding protein 2	1.97
TC05001649.hg.1	8	7.02	0.0013	0.0242 NUDT12	nudix hydrolase 12	1.97
TC10002328.hg.1	12.15	11.17	0.0024	0.0335 SEC23IP	SEC23 interacting protein	1.97
TC0X000350.hg.1	7.76	6.78	0.0012	0.0227 TLE1P1	transducin-like enhancer of split 1 pseudogene 1	1.97
TC12000897.hg.1	5.28	4.3	0.0001	0.0078 TBX5-AS1	TBX5 antisense RNA 1	1.97
TC07001534.hg.1	8.28	7.3	0.0025	0.0346 HIP1	huntingtin interacting protein 1	1.97
TC14000294.hg.1	12.47	11.49	0.0038	0.0428 TMX1	thioredoxin-related transmembrane protein 1	1.97
TC07000543.hg.1	7.61	6.64	2.66E-05	0.0042 FZD1	frizzled class receptor 1	1.97
TC03001693.hg.1	10.38	9.41	0.0045	0.0477 RABL3	RAB, member of RAS oncogene family-like 3	1.96
TC05003310.hg.1	5.79	4.82	0.0023	0.0326 TNIP1	TNFAIP3 interacting protein 1	1.96
TC12000089.hg.1	12.01	11.04	0.0027	0.0356 COPS7A	COP9 signalosome subunit 7A	1.96

TC01005030.hg.1	11.71	10.74	3.18E-05	0.0045 RRP15	ribosomal RNA processing 15 homolog heterogeneous nuclear ribonucleoprotei n C-like 1; heterogeneous nuclear ribonucleoprotei	1.96
TC01002215.hg.1	5.55	4.58	0.002	0.0305 HNRNPCL1; H	n C-like 3	1.96
TC02000769.hg.1	11.11	10.13	0.0001	0.0072 TSN	translin	1.96
TC17000698.hg.1	5.47	4.5	0.0002	0.008 NOG	noggin extracellular	1.96
TC01001188.hg.1	8.44	7.47	0.0014	0.0246 ECM1	matrix protein 1	1.96
TC03001956.hg.1	13.36	12.39	0.0045	0.0473 KPNA4	karyopherin alpha 4 (importin alpha 3)	1.96
TC17001560.hg.1	6.64	5.67	0.0014	0.0252 ETV4	ets variant 4 YME1-like 1	1.95
TC14000099.hg.1	5.25	4.28	0.0017	0.0277 YME1L1	ATPase SEPT5-GP1BB	1.95
TC22000964.hg.1	7.36	6.4	0.0015	0.0254 SEPT5-GP1BB	readthrough PHD finger	1.95
TC22000826.hg.1	8.76	7.8	0.0013	0.0243 PHF5A	protein 5A	1.95
TC08001138.hg.1	5.89	4.93	0.0002	0.008 RAB11FIP1	RAB11 family interacting protein 1 (class I)	1.95

TC11000206.hg.1	7.88	6.93	0.0011	0.0218 ARNTL	aryl hydrocarbon receptor nuclear translocator-like	1.94
TC01005089.hg.1	6.39	5.44	0.0016	0.0262 DUSP5P1; RH	dual specificity phosphatase 5 pseudogene 1; ras homolog (family member U	1.94
TC11001372.hg.1	7.98	7.02	0.0003	0.0104 CYB5R2	cytochrome b5 reductase 2	1.94
TC17001366.hg.1	7.52	6.57	0.0035	0.0411 NLE1	notchless homolog 1 (Drosophila)	1.94
TC12001296.hg.1	12.58	11.63	0.0002	0.0097 RECQL	RecQ helicase- like	1.93
TC08000505.hg.1	7.38	6.43	0.0007	0.0176 PKIA	protein kinase (cAMP- dependent, catalytic)	1.93
TC16000476.hg.1	11.02	10.08	0.0014	0.0243 MT1X	inhibitor alpha metallothionein 1X	1.92
TC02000852.hg.1	7.67	6.74	0.0008	0.018 RHOQP2	ras homolog family member Q pseudogene 2	1.92
TC07001343.hg.1	10.88	9.95	0.0042	0.0453 DDX56	DEAD (Asp-Glu- Ala-Asp) box helicase 56	1.91

TC14000055.hg.1	15.24	14.31	0.0028	0.0361 APEX1	APEX nuclease (multifunctional DNA repair enzyme) 1	1.91
TC06001148.hg.1	9.64	8.71	0.0027	0.0355 MRPL18	mitochondrial ribosomal protein L18	1.91
TC17000807.hg.1	5.8	4.87	0.0033	0.0396 MAP2K6	mitogen- activated protein kinase kinase 6	1.91
TC01000484.hg.1	10.4	9.47	0.0003	0.0109 UTP11L	UTP11-like, U3 small nucleolar ribonucleoprotei n (yeast)	1.91
TC14001992.hg.1	12.09	11.16	0.0006	0.0156 MIS18BP1	MIS18 binding protein 1	1.9
TC07002171.hg.1	5.16	4.23	0.0009	0.019 HDAC9	histone deacetylase 9	1.9
TC19001394.hg.1	6.29	5.37	1.36E-06	0.0015 RHPN2	rhophilin, Rho GTPase binding protein 2	1.9
TC08002065.hg.1	11.95	11.02	0.0007	0.0176 ENY2	enhancer of yellow 2 homolog (Drosophila)	1.9
TC17001731.hg.1	12.33	11.41	0.0024	0.0332 SUPT4H1	SPT4 homolog, DSIF elongation factor subunit	1.89
TC12001979.hg.1	11.53	10.61	0.0021	0.031 RPL6	ribosomal protein L6	1.89

TC05000914.hg.1	6.91	5.99	0.0029	0.037	TENM2	teneurin transmembrane protein 2	1.89
TC03001970.hg.1	4.87	3.95	7.83E-05	0.0062	BCHE	butyrylcholineste rase	1.89
TC02004923.hg.1	10.55	9.63	0.0031	0.0381	RNASEH1	ribonuclease H1 translocase of outer mitochondrial membrane 5	1.89
TC09002890.hg.1	12.39	11.48	0.0046	0.0483	TOMM5	homolog (yeast) epithelial membrane protein 2	1.88
TC16000857.hg.1	11.53	10.62	0.001	0.0209	EMP2	homeobox A13 connector enhancer of kinase suppressor of Ras	1.88
TC07001227.hg.1	5.5	4.59	0.0002	0.0085	HOXA13	2	1.88
TC0X000097.hg.1	5.9	4.98	0.0006	0.0164	CNKS2R2	NOC3-like DNA replication regulator	1.88
TC10001545.hg.1	10.26	9.35	0.0023	0.0329	NOC3L	creatine kinase, brain	1.88
TC14001538.hg.1	5.87	4.96	0.002	0.0303	CKB	amyloid beta (A4) precursor protein-binding, family A, member 1	1.88
TC09001193.hg.1	6.54	5.63	0.0037	0.0426	APBA1	MAP7 domain containing 3	1.88
TC0X001414.hg.1	10.29	9.39	0.0005	0.0144	MAP7D3		1.88

TC01000685.hg.1	6.86	5.95	0.0002	0.0097	PRKAA2	protein kinase, AMP-activated, alpha 2 catalytic subunit	1.87
TC19000832.hg.1	4.18	3.28	0.0018	0.0281	MIR520B	microRNA 520b	1.87
TC03001946.hg.1	7.18	6.27	6.24E-05	0.0058	SHOX2	short stature homeobox 2	1.87
TC01005311.hg.1	11.19	10.29	0.002	0.03	ECE1	endothelin converting enzyme 1	1.87
TC02002648.hg.1	11.01	10.11	0.0043	0.0465	HSPD1	heat shock 60kDa protein 1 (chaperonin)	1.87
TC12002913.hg.1	12.39	11.49	0.0008	0.0184	STAT6	signal transducer and activator of transcription 6, interleukin-4 induced	1.87
TC0X002003.hg.1	6.43	5.53	0.0002	0.0088	SCML2	sex comb on midleg-like 2 (Drosophila)	1.86
TC21000253.hg.1	12.44	11.54	0.0043	0.046	COL6A2	collagen, type VI, alpha 2	1.86
TC03001562.hg.1	5.69	4.8	0.001	0.0206	CNTN3	contactin 3 (plasmacytoma associated)	1.86
TC15001719.hg.1	5.78	4.88	0.0027	0.0354	BCL2A1	BCL2-related protein A1	1.86
TC05001891.hg.1	14.25	13.36	0.0015	0.0252	YIPF5	Yip1 domain family member 5	1.86

TC19001593.hg.1	12.62	11.73	0.001	0.0212 PLAUR	plasminogen activator, urokinase receptor extracellular leucine-rich repeat and fibronectin type III domain	1.86
TC07000027.hg.1	5.83	4.94	0.0009	0.0193 ELFN1	containing 1 chloride channel, voltage-sensitive	1.86
TC16000753.hg.1	8.35	7.46	0.0036	0.0414 CLCN7	7	1.85
TC02001464.hg.1	7.54	6.65	0.0023	0.033 GPC1	glypican 1 ADP-ribosylation factor like	1.85
TC12001876.hg.1	11.16	10.27	0.0012	0.023 ARL1	GTPase 1 ribosomal	1.85
TC12003091.hg.1	18.1	17.21	0.0049	0.0497 RPL6	protein L6 THUMP domain	1.85
TC03000037.hg.1	9.44	8.56	0.0022	0.0319 THUMPD3	containing 3 zinc and ring	1.85
TC22000189.hg.1	7.2	6.31	0.0023	0.033 ZNRF3	finger 3 Williams Beuren syndrome	1.85
TC07002401.hg.1	11.33	10.45	0.0023	0.0329 WBSCR22	chromosome region 22	1.85
TC16001945.hg.1	6.98	6.1	0.0027	0.0352 MTSS1L	metastasis suppressor 1-like	1.85

TC01000977.hg.1	12.61	11.72	0.0028	0.0361	ATP synthase, H+ transporting, mitochondrial Fo complex subunit B1	1.85
TC04001130.hg.1	14.35	13.46	0.0027	0.0352	UGDH	1.84
TC0X002170.hg.1	16.52	15.64	0.0015	0.0257	MORF4L2	1.84
TC03001030.hg.1	5.75	4.87	0.0036	0.0413	LOC101929130	1.84
TC0X001419.hg.1	12.23	11.35	0.0047	0.0487	RBMX	1.84
TC06002004.hg.1	8.42	7.54	0.0016	0.0263	ZBTB24	1.84
TC09000738.hg.1	10.65	9.77	0.0039	0.0438	FUBP3	1.84
TC02002859.hg.1	14.83	13.95	0.002	0.0308	NCL	1.84
TC06001892.hg.1	5.62	4.74	0.0011	0.0217	HTR1B	1.84
TC02001115.hg.1	5.78	4.9	0.0016	0.027	C2orf88	1.84
TC07002857.hg.1	5.37	4.5	6.27E-05	0.0058	HOXA13	1.84

TC17001745.hg.1	12.18	11.31	0.0042	0.0455 SKA2	spindle and kinetochore associated complex subunit 2	1.84
TC05002950.hg.1	4.96	4.08	0.0023	0.0329 PRLR	prolactin receptor	1.83
TC20000253.hg.1	7.64	6.76	0.0025	0.034 CEP250	centrosomal protein 250kDa	1.83
TC03000670.hg.1	14.44	13.57	0.0018	0.0286 SEC61A1	Sec61 translocon alpha 1 subunit	1.83
TC12002967.hg.1	12.23	11.36	0.0041	0.0451 NAP1L1	nucleosome assembly protein 1-like 1	1.83
TC01000573.hg.1	6.93	6.07	0.0017	0.0273 MMACHC	methylnalonic aciduria (cobalamin deficiency) cblC type, with homocystinuria signal	1.83
TC04000332.hg.1	15.05	14.18	0.001	0.0203 SRP72	recognition particle 72kDa	1.82
TC06001072.hg.1	4.66	3.79	0.0013	0.0241 SAMD5	sterile alpha motif domain containing 5	1.82
TC15001249.hg.1	10.15	9.28	0.0036	0.0414 NDUFAF1	NADH dehydrogenase (ubiquinone) complex I, assembly factor 1	1.82

TC11001119.hg.1	6.96	6.1	0.0047	0.0489	LOC341056	SUMO1 activating enzyme subunit 1 pseudogene transcription termination factor, RNA polymerase II	1.82
TC01001026.hg.1	8.08	7.22	0.002	0.0305	TTF2	mucolipin 2	1.82
TC01002824.hg.1	5.19	4.33	0.0001	0.007	MCOLN2	glutaminyl- peptide cyclotransferase	1.81
TC02000237.hg.1	7.99	7.13	0.0029	0.0368	QPCT	cholinergic receptor, muscarinic 2 topoisomerase (DNA) I	1.81
TC07002612.hg.1	5.04	4.19	0.0019	0.0294	CHRM2	regulator of G- protein signaling 5	1.81
TC20000302.hg.1	12.94	12.09	0.004	0.0445	TOP1	janus kinase and microtubule interacting protein 2	1.81
TC01006414.hg.1	6.19	5.33	0.0026	0.0351	RGS5	UBX domain protein 8	1.8
TC05001910.hg.1	5.1	4.25	0.0008	0.0184	JAKMIP2	PAK1 interacting protein 1	1.8
TC08001867.hg.1	9.5	8.65	0.0002	0.0091	UBXN8	T-box 2	1.8
TC06000073.hg.1	11.24	10.39	0.0006	0.0154	PAK1IP1	HOXB cluster	1.8
TC17000743.hg.1	7.37	6.52	0.001	0.0209	TBX2	antisense RNA 1	1.8
TC17002857.hg.1	7.41	6.56	7.16E-05	0.006	HOXB-AS1		

TC02002477.hg.1	10.66	9.82	0.0041	0.0449 AHCTF1P1	AT hook containing transcription factor 1 pseudogene 1 eukaryotic translation initiation factor	1.8
TC08001524.hg.1	10.39	9.55	0.0013	0.0235 EIF3E	3, subunit E solute carrier family 41 (magnesium transporter), member 2	1.8
TC12001909.hg.1	9.52	8.67	4.81E-05	0.0052 SLC41A2		1.8
TC05000377.hg.1	10.49	9.64	0.0005	0.0141 AGGF1	angiogenic factor with G-patch and FHA domains 1 like- glycosyltransfera se	1.79
TC22000688.hg.1	6.43	5.58	0.0003	0.0117 LARGE	alkB homolog 5, RNA demethylase tripartite motif	1.79
TC17000207.hg.1	10.17	9.33	0.004	0.0441 ALKBH5		1.79
TC04001830.hg.1	5.3	4.46	0.0046	0.048 TRIML2	family like 2	1.79

TC12000002.hg.1	9.21	8.37	0.0041	0.0451	WASH3P; WAS protein family homolog 3 pseudogene; WAS protein family homolog 2 pseudogene; WAS protein family homolog 7 pseudogene; WAS protein family homolog 1	1.79
TC01004613.hg.1	5.99	5.16	0.0005	0.0147	KCNC4 potassium channel, voltage gated Shaw related subfamily C, member 4	1.78
TC01004021.hg.1	7.11	6.27	8.04E-06	0.0026	GREM2 gremlin 2, DAN family BMP antagonist	1.78
TC06001969.hg.1	5.61	4.78	1.37E-08	0.0001	SIM1 single-minded family bHLH transcription factor 1	1.78
TC02001736.hg.1	10.47	9.64	0.0036	0.0418	STRN striatin, calmodulin binding protein	1.78
TC17001576.hg.1	10.18	9.34	0.002	0.03	UBTF upstream binding transcription factor, RNA polymerase I	1.78

TC02004919.hg.1	5.4	4.57	1.22E-05	0.0031 HOXD10	homeobox D10	1.78
TC06000058.hg.1	10.31	9.48	0.0048	0.0494 RIOK1	RIO kinase 1	1.77
TC14000946.hg.1	12.67	11.84	0.0045	0.0477 PSMB5	proteasome subunit beta 5	1.77
TC03000725.hg.1	10	9.18	0.0018	0.0281 SRPRB	signal recognition particle receptor, B subunit	1.77
TC01002942.hg.1	10.53	9.71	0.0021	0.0312 SLC25A24	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 24	1.77
TC14001063.hg.1	14.39	13.57	0.0044	0.0467 SEC23A	Sec23 homolog A, COPII coat complex	1.77
TC06002159.hg.1	6.77	5.95	0.0012	0.0232 NHSL1	component NHS-like 1	1.77
TC0X002083.hg.1	8.55	7.73	0.0016	0.0264 FAM104B	family with sequence similarity 104, member B	1.77
TC13000663.hg.1	13.2	12.38	0.0018	0.0284 KPNA3	karyopherin alpha 3 (importin alpha 4)	1.76
TC17001907.hg.1	8.25	7.44	0.0031	0.038 JMJD6	jumonji domain containing 6	1.76

TC03001560.hg.1	8.03	7.22	0.0008	0.0185 PDZRN3	PDZ domain containing ring finger 3	1.76
TC03001711.hg.1	8.48	7.66	0.0037	0.0419 HACD2	3-hydroxyacyl- CoA dehydratase 2	1.76
TC01005049.hg.1	9.54	8.73	0.0022	0.0324 BROX	BRO1 domain and CAAX motif containing	1.76
TC19001087.hg.1	9.26	8.45	0.0026	0.0349 RANBP3	RAN binding protein 3	1.76
TC08001833.hg.1	12.89	12.08	0.0005	0.0148 BMP1	bone morphogenetic protein 1	1.75
TC09002062.hg.1	11.13	10.33	1.71E-05	0.0035 CTSL	cathepsin L procollagen C- endopeptidase	1.75
TC03003123.hg.1	8.87	8.06	0.0002	0.0081 PCOLCE2	enhancer 2 synaptonemal complex central element protein	1.75
TC10002956.hg.1	5.36	4.56	0.0001	0.0072 SYCE1	1 mitochondrial ribosomal	1.75
TC03002039.hg.1	11.05	10.25	0.0008	0.0183 MRPL47	protein L47 protein kinase C and casein kinase substrate in	1.74
TC11001731.hg.1	6.95	6.15	0.0002	0.008 PACSIN3	neurons 3 asparagine synthetase domain	1.74
TC02001110.hg.1	11.17	10.37	0.0029	0.0371 ASNSD1	containing 1	1.74

TC01001790.hg.1	10.4	9.6	0.0047	0.0487 SMYD2	SET and MYND domain containing 2 chromosome 7 open reading frame 26 spermatid perinuclear RNA binding protein coiled-coil domain	1.74
TC07002780.hg.1	7.37	6.57	0.0014	0.0248 C7orf26	containing 112 vitamin D (1,25-dihydroxyvitamin D3) receptor ferritin, heavy polypeptide 1 pseudogene 4 chromosome 11 open reading frame 24 testis expressed	1.74
TC09002783.hg.1	6.17	5.37	1.44E-05	0.0034 STRBP	10 chromosome 16 open reading frame 45 RAB3B, member RAS oncogene family protein tyrosine phosphatase, receptor type, H	1.74
TC05001688.hg.1	6.91	6.11	0.0045	0.0475 CCDC112		1.74
TC12002858.hg.1	12.62	11.82	0.0001	0.0071 VDR		1.74
TC03001759.hg.1	13.66	12.86	0.0003	0.0102 FTH1P4		1.74
TC11002005.hg.1	13.86	13.07	0.0022	0.0319 C11orf24		1.74
TC09001417.hg.1	10.5	9.71	0.0001	0.0077 TEX10		1.73
TC16000190.hg.1	10.28	9.48	0.0013	0.0236 C16orf45		1.73
TC01002654.hg.1	11.58	10.79	0.0035	0.0412 RAB3B		1.73
TC19001862.hg.1	5.85	5.06	0.0044	0.0466 PTPRH		1.73

TC06001102.hg.1	10.2	9.4	0.004	0.0446 ARMT1	acidic residue methyltransferase 1	1.73
TC16001569.hg.1	12.1	11.31	0.0042	0.0454 MMP2	matrix metallopeptidase 2	1.73
TC18000014.hg.1	5.29	4.5	9.55E-06	0.0028 EMILIN2	elastin microfibril interfacer 2	1.73
TC04000789.hg.1	4.95	4.16	0.0003	0.0103 TDO2	tryptophan 2,3- dioxygenase	1.73
TC03001712.hg.1	11.05	10.26	0.0022	0.0323 HACD2	3-hydroxyacyl- CoA dehydratase 2	1.73
TC10000401.hg.1	6.58	5.79	0.0042	0.0455 MYPN	myopalladin	1.73
TC12000452.hg.1	9.2	8.41	1.06E-05	0.0029 HOXC8	homeobox C8	1.72
TC01000980.hg.1	6.54	5.75	0.0027	0.0355 FAM212B-AS1	FAM212B antisense RNA 1	1.72
TC09000029.hg.1	10.92	10.14	0.002	0.0301 SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	1.72
TC07001206.hg.1	9.51	8.73	0.0009	0.0201 OSBPL3	oxysterol binding protein-like 3	1.72
TC17001905.hg.1	13.84	13.06	0.0008	0.0186 MXRA7	matrix- remodelling associated 7	1.72

					ribosomal protein L17; small nucleolar RNA, C/D box 58B; RPL17- C18orf32	
TC18001003.hg.1	15.88	15.1	0.0032	0.039	RPL17; SNORC readthrough pre-mRNA processing factor	1.72
TC01000641.hg.1	11.8	11.02	0.0009	0.0193	PRPF38A 38A polymerase (RNA) II (DNA directed)	1.72
TC04000336.hg.1	12.51	11.74	0.0007	0.0176	POLR2B polypeptide B, 140kDa	1.72
TC03003105.hg.1	5.67	4.9	0.0038	0.0431	KY kyphoscoliosis peptidase	1.71
TC07000870.hg.1	8.24	7.47	0.0025	0.0346	TTC26 tetratricopeptide repeat domain 26	1.71
TC6_dbb_hap3000152.hg.	7.14	6.36	0.0024	0.0335	GPANK1 G-patch domain and ankyrin repeats 1	1.71
TC08000867.hg.1	7.56	6.79	0.0029	0.0369	C8orf33 chromosome 8 open reading frame 33	1.71
TC05001995.hg.1	11.24	10.46	6.50E-05	0.0058	EBF1 early B-cell factor 1	1.71
TC17000327.hg.1	8.66	7.89	0.002	0.03	SNORD42A small nucleolar RNA, C/D box 42A	1.71

TC14000951.hg.1	7.14	6.37	3.87E-06	0.002	SLC7A8	solute carrier family 7 (amino acid transporter light chain, L system), member 8	1.71
TC11001417.hg.1	16.6	15.83	0.0014	0.0251	EIF4G2	eukaryotic translation initiation factor 4 gamma, 2	1.71
						heterogeneous nuclear ribonucleoprotein A1; heterogeneous nuclear ribonucleoprotein A1 pseudogene 10; heterogeneous nuclear ribonucleoprotein	
TC12000461.hg.1	16.33	15.56	0.0027	0.0354	HNRNPA1; HNRN	n A1-like 2	1.71
TC03000385.hg.1	7.21	6.44	0.0004	0.0134	C3orf14	chromosome 3 open reading frame 14	1.7
TC18000102.hg.1	9.44	8.68	0.0006	0.0162	C18orf8	chromosome 18 open reading frame 8	1.7
TC12000793.hg.1	10.45	9.69	0.0049	0.0497	DRAM1	DNA-damage regulated autophagy modulator 1	1.7

TC05003422.hg.1	6.93	6.16	0.0033	0.0394	AMACR	alpha-methylacyl-CoA racemase	1.7
TC06001762.hg.1	6.27	5.51	0.0008	0.0181	NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	1.7
TC02000996.hg.1	10.08	9.32	0.0002	0.0081	CERS6	ceramide synthase 6	1.7
TC15002352.hg.1	13.14	12.38	0.0003	0.0102	ABHD2	abhydrolase domain containing 2	1.7
TC19001581.hg.1	5.33	4.57	0.0008	0.0184	PSG2; PSG5; F	pregnancy specific beta-1-glycoprotein 2; pregnancy specific beta-1-glycoprotein 5; pregnancy specific beta-1-glycoprotein 3	1.7
TC19000576.hg.1	14.41	13.65	0.0044	0.0468	AXL	AXL receptor tyrosine kinase	1.7
TC14000628.hg.1	9.07	8.3	0.0006	0.0157	EML1	echinoderm microtubule associated protein like 1	1.7
TC15001755.hg.1	5.9	5.14	0.0016	0.027	CPEB1	cytoplasmic polyadenylation element binding protein 1	1.7

TC10000837.hg.1	9.12	8.36	0.0011	0.0222	TRUB1	TruB pseudouridine (psi) synthase family member 1 Rho GTPase activating protein	1.69
TC03000607.hg.1	11.01	10.25	0.0001	0.0079	ARHGAP31	31 DnaJ (Hsp40) homolog, subfamily A, member 3	1.69
TC16000130.hg.1	9.1	8.35	0.0027	0.0353	DNAJA3	host cell factor C1	1.69
TC0X001522.hg.1	10.68	9.92	0.0024	0.0333	HCFC1	tRNA methyltransferas e 10A	1.69
TC04001413.hg.1	7.67	6.91	0.003	0.0378	TRMT10A	TRAF2 and NCK interacting kinase	1.69
TC03003206.hg.1	6.35	5.6	4.39E-05	0.0049	TNIK	VAMP (vesicle- associated membrane protein)- associated	1.69
TC20001316.hg.1	9.05	8.3	0.0006	0.0157	VAPB	protein B and C gamma- aminobutyric acid (GABA) A	1.68
TC0X000738.hg.1	4.13	3.37	0.0002	0.0097	GABRQ	receptor, theta	1.68
TC01000458.hg.1	7.97	7.22	0.0039	0.0434	NCDN	neurochondrin	1.68

TC10000485.hg.1	10.88	10.13	0.0034	0.0402	VDAC2	voltage-dependent anion channel 2	1.68
TC12001752.hg.1	12.26	11.51	0.0039	0.0435	NAP1L1	nucleosome assembly protein 1-like 1	1.68
TC08000692.hg.1	4.26	3.52	0.0009	0.0195	SAMD12-AS1	SAMD12 antisense RNA 1	1.68
TC15001202.hg.1	10.46	9.72	0.0047	0.0487	AQR	aquarius intron-binding spliceosomal factor	1.68
TC19002181.hg.1	8.21	7.46	0.0033	0.0395	INAFM1	InaF-motif containing 1	1.67
TC21000148.hg.1	7.03	6.29	0.0007	0.0171	CBR1	carbonyl reductase 1	1.67
TC12001040.hg.1	4.87	4.13	0.0031	0.0383	ADGRD1	adhesion G protein-coupled receptor D1	1.67
TC05002515.hg.1	7.79	7.05	0.0029	0.0367	SLF1	SMC5-SMC6 complex localization factor 1	1.67
TC16002039.hg.1	10.03	9.29	0.0024	0.0334	DDX19B; DDX	DEAD (Asp-Glu-Ala-Asp) box polypeptide 19B; DEAD (Asp-Glu-Ala-Asp) box polypeptide 19A	1.67
TC15001641.hg.1	5.74	5	0.0005	0.0144	STRA6	stimulated by retinoic acid 6	1.67

TC05001138.hg.1	11.2	10.47	0.0021	0.0312	NSUN2	NOP2/Sun RNA methyltransferase family, member 2	1.66
TC08000701.hg.1	8.15	7.42	0.0042	0.0459	MTBP	MDM2 binding protein zinc finger and BTB domain	1.66
TC01001985.hg.1	7.43	6.7	0.0015	0.0252	ZBTB18	containing 18	1.66
TC08000598.hg.1	6.77	6.04	5.33E-06	0.0023	MATN2	matrilin 2	1.66
TC14001182.hg.1	5.16	4.43	0.0014	0.0243	RTN1	reticulon 1	1.66
TC06001777.hg.1	8.54	7.81	0.0005	0.0145	TNFRSF21	tumor necrosis factor receptor superfamily, member 21	1.66
TC05000275.hg.1	10.31	9.58	0.001	0.0202	CWC27	CWC27 spliceosome-associated	1.66
TC06000516.hg.1	11.79	11.07	0.0028	0.0363	RPL10A	protein homolog ribosomal protein L10a	1.66
TC17001760.hg.1	5.98	5.25	0.0021	0.0313	AP1S2	adaptor-related protein complex 1 sigma 2 subunit	1.66
TC02001326.hg.1	5.66	4.93	2.85E-07	0.0008	DES	desmin	1.66
TC01004622.hg.1	6.09	5.37	0.004	0.0441	FAM212B-AS1	FAM212B antisense RNA 1	1.66
TC17000319.hg.1	7.32	6.6	0.0037	0.0421	TMEM97	transmembrane protein 97	1.65
TC15002420.hg.1	9.16	8.43	0.0042	0.0455	WASH3P	WAS protein family homolog 3 pseudogene	1.65

TC06001534.hg.1	7.17	6.44	0.0026	0.0349	GPANK1	G-patch domain and ankyrin repeats 1	1.65
TC6_mann_hap4000140.h	7.17	6.44	0.0026	0.0349	GPANK1	G-patch domain and ankyrin repeats 1	1.65
TC6_mcf_hap5000140.hg.	7.17	6.44	0.0026	0.0349	GPANK1	G-patch domain and ankyrin repeats 1	1.65
TC10001092.hg.1	5.84	5.11	0.001	0.0204	CASC10	cancer susceptibility candidate 10	1.65
TC17000047.hg.1	8.85	8.13	0.0007	0.0169	ARRB2	arrestin, beta 2	1.65
TC20000893.hg.1	9.3	8.58	0.0002	0.0081	PLTP	phospholipid transfer protein	1.65
TC0X002013.hg.1	11.08	10.36	0.0022	0.0323	APOO	apolipoprotein O	1.65
TC6_qbl_hap6000155.hg.1	7.09	6.37	0.0026	0.0349	GPANK1	G-patch domain and ankyrin repeats 1	1.64
TC6_ssto_hap7000135.hg.	7.09	6.37	0.0026	0.0349	GPANK1	G-patch domain and ankyrin repeats 1	1.64
TC02001686.hg.1	11.96	11.24	0.0002	0.0091	FTH1P3	ferritin, heavy polypeptide 1	1.64
TC13000569.hg.1	7.21	6.5	9.02E-07	0.0012	SMAD9	pseudogene 3 SMAD family member 9	1.64
TC12001429.hg.1	5.72	5	0.0022	0.0319	SLC38A4	solute carrier family 38, member 4	1.64

					eukaryotic translation initiation factor 4A1; small nucleolar RNA, H/ACA box 67; SENP3-EIF4A1 readthrough	
TC17002867.hg.1	13.11	12.4	0.0028	0.0364	EIF4A1; SNOR (NMD candidate)	1.64
TC17001306.hg.1	7.75	7.04	0.0024	0.0338	TLCD1	1.64
TC10000997.hg.1	6.37	5.66	0.0013	0.0241	LOC10537638	1.64
TC12001330.hg.1	11.13	10.42	0.0024	0.0332	ASUN	1.64
TC6_cox_hap2000163.hg.1	7.19	6.48	0.0025	0.0339	GPANK1	1.64
TC0X000894.hg.1	6.59	5.89	0.0027	0.0354	SCML2	1.63
TC07000449.hg.1	7.08	6.37	0.0001	0.0078	ELN	1.63
TC04002884.hg.1	10.61	9.9	0.0018	0.028	UFSP2	1.63
TC10001702.hg.1	13.52	12.82	0.0039	0.0437	PRDX3	1.63
TC02004131.hg.1	12.01	11.31	0.0003	0.0116	FTH1P3	1.62

TC05000942.hg.1	14.55	13.85	0.0038	0.0432 NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin) coiled-coil domain	1.62
TC17001584.hg.1	9.55	8.86	0.0014	0.0243 CCDC43	containing 43 fibronectin type III and SPRY domain	1.62
TC19000086.hg.1	6.01	5.32	0.0013	0.0236 FSD1	containing 1 adhesion G protein-coupled receptor E2	1.62
TC19001242.hg.1	6.59	5.9	0.0026	0.0349 ADGRE2		1.62
TC10001070.hg.1	5.73	5.04	0.0047	0.0487 CUBN	cubilin (intrinsic factor-cobalamin receptor)	1.62
TC01000874.hg.1	5.98	5.29	0.0014	0.0245 LOC729970	hCG2028352-like family with sequence similarity 81, member A	1.62
TC15000455.hg.1	5.19	4.49	0.0028	0.0361 FAM81A	EF-hand calcium binding domain	1.62
TC01006356.hg.1	11.35	10.67	0.0004	0.0125 EFCAB14	14 fin bud initiation factor homolog (zebrafish)	1.61
TC11000277.hg.1	7.16	6.48	0.0013	0.0238 FIBIN		1.61
TC02002611.hg.1	4.89	4.2	0.0024	0.0332 MIR1245B	microRNA 1245b	1.61

TC05000225.hg.1	4.76	4.07	0.0006	0.016	HSPB3	heat shock 27kDa protein 3	1.61
TC0X000809.hg.1	7.74	7.06	0.0008	0.0187	PRKX	protein kinase, X- linked	1.6
TC02004712.hg.1	5.23	4.55	0.0032	0.0387	HAGLR	HOXD antisense growth- associated long non-coding RNA	1.6
TC03002505.hg.1	9.2	8.52	0.0023	0.0328	UMPS	uridine monophosphate synthetase	1.6
TC01001421.hg.1	10.87	10.19	0.0027	0.0353	UHMK1	U2AF homology motif (UHM) kinase 1	1.6
TC06001030.hg.1	9.64	8.96	0.0013	0.0242	HEBP2	heme binding protein 2	1.6
TC04001730.hg.1	8.75	8.08	5.04E-05	0.0053	AADAT	aminoadipate aminotransferase	1.6
TC17002792.hg.1	12.61	11.94	0.0034	0.0406	SRSF2	serine/arginine- rich splicing factor 2	1.6
TC02002174.hg.1	7.66	6.99	0.0001	0.0078	ST6GAL2	ST6 beta- galactosamide alpha-2,6- sialyltransferase 2	1.59
TC03001063.hg.1	4.07	3.4	0.0004	0.0135	HRASLS	HRAS-like suppressor	1.59
TC10000679.hg.1	7.93	7.26	0.0043	0.0464	CCNJ	cyclin J	1.59
TC07001221.hg.1	7.25	6.58	0.0011	0.0221	HOXA5	homeobox A5	1.59

					oxidative stress induced growth inhibitor family member 2	
TC08000546.hg.1	8.57	7.91	0.0029	0.0369 OSGIN2		1.59
TC12000311.hg.1	5.09	4.42	0.0002	0.0091 CNTN1	contactin 1	1.59
					BH3 interacting domain death agonist	
TC22000476.hg.1	8.32	7.66	0.0006	0.0164 BID	non imprinted in Prader- Willi/Angelman syndrome 2	1.58
					inhibitor of DNA binding 2, dominant negative helix- loop-helix protein	
TC15001048.hg.1	10.73	10.07	0.0039	0.0437 NIPA2	general transcription factor IIA 1	1.58
					tripartite motif containing 24 vacuolar protein sorting 52 homolog (S. cerevisiae)	
TC02000041.hg.1	7.07	6.41	0.0029	0.0366 ID2		1.58
TC14001368.hg.1	10.7	10.04	0.0028	0.0362 GTF2A1		1.58
TC07000868.hg.1	9.28	8.62	8.89E-05	0.0064 TRIM24		1.58
					doublecortin-like kinase 3	
TC6_mann_hap4000173.h	11.15	10.49	0.0016	0.0268 VPS52		1.58
TC03001281.hg.1	5.8	5.14	0.0008	0.0187 DCLK3		1.58

TC10000185.hg.1	8.47	7.82	0.0044	0.0468 PDSS1	prenyl (decaprenyl) diphosphate synthase, subunit 1	1.57
TC01006052.hg.1	5.3	4.65	0.0009	0.0194 PLEKHA6	pleckstrin homology domain containing, family A member 6	1.57
TC16000862.hg.1	3.85	3.21	8.08E-05	0.0063 SOCS1	suppressor of cytokine signaling 1	1.57
TC08002073.hg.1	4	3.36	4.35E-05	0.0049 SAMD12-AS1	SAMD12 antisense RNA 1	1.57
TC10000702.hg.1	11.3	10.65	0.0011	0.0215 MARVELD1	MARVEL domain containing 1	1.57
TC13000285.hg.1	11.85	11.2	0.0011	0.022 UCHL3	ubiquitin C- terminal hydrolase L3	1.57
TC09000723.hg.1	6.08	5.43	0.0002	0.0088 PRRX2	paired related homeobox 2	1.57
TC05000515.hg.1	10.5	9.85	0.0024	0.0337 MAN2A1	mannosidase, alpha, class 2A, member 1	1.56
TC19001298.hg.1	9.01	8.37	0.0026	0.0349 TMEM161A	transmembrane protein 161A	1.56
TC01003796.hg.1	11.15	10.51	0.0023	0.0325 SLC30A1	solute carrier family 30 (zinc transporter), member 1	1.56

TCOX000580.hg.1	12.24	11.6	4.29E-05	0.0049	PGRMC1	progesterone receptor membrane component 1	1.55
TC01002195.hg.1	13.52	12.89	0.0047	0.0489	SRM	spermidine synthase	1.55
TC07001205.hg.1	6.91	6.28	0.0001	0.0069	DFNA5	deafness, autosomal dominant 5	1.55
TC02004918.hg.1	5.79	5.15	0.0005	0.0152	HOXD11	homeobox D11	1.55
TC01001452.hg.1	8.15	7.52	0.0042	0.0456	POGK	pogo transposable element with KRAB domain	1.55
TC06003619.hg.1	12.65	12.02	0.0035	0.0412	SRPK1	SRSF protein kinase 1	1.55
TC05002796.hg.1	7.01	6.38	0.0015	0.0255	PP7080	uncharacterized LOC25845	1.55
TC02001769.hg.1	8.35	7.72	0.0002	0.0092	SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	1.54
TC01001435.hg.1	6.83	6.2	0.0047	0.0487	PBX1	pre-B-cell leukemia homeobox 1	1.54
TC05000835.hg.1	7.83	7.21	0.0007	0.0178	SMIM3	small integral membrane protein 3	1.54
TC6_mcf_hap5000131.hg.	4.47	3.85	0.0022	0.0317	PSORS1C3	psoriasis susceptibility 1 candidate 3 (non- protein coding)	1.54

TC12000988.hg.1	15.83	15.21	0.0039	0.0433 TMED2	transmembrane p24 trafficking protein 2	1.53
TC02001053.hg.1	6.68	6.06	0.0001	0.0079 HOXD8	homeobox D8 phosphoinositide- 3-kinase, regulatory subunit 1 (alpha)	1.53
TC05000291.hg.1	9.08	8.46	0.0012	0.0232 PIK3R1	vascular endothelial growth factor A	1.53
TC06002799.hg.1	11.56	10.94	0.0022	0.0318 VEGFA		1.53
TC05002949.hg.1	9.65	9.03	0.0011	0.0222 RAD1	RAD1 checkpoint DNA exonuclease casein kinase 2, alpha 3	1.53
TC11003057.hg.1	12.55	11.94	0.0013	0.0235 CSNK2A3	polypeptide aldehyde dehydrogenase 1 family, member A1	1.53
TC09001211.hg.1	4.6	3.98	4.02E-09	9.13E-05 ALDH1A1	UBX domain protein 8	1.53
TC08000245.hg.1	8.96	8.35	0.0003	0.0105 UBXN8	SPT3 homolog, SAGA and STAGA complex component	1.53
TC06001765.hg.1	7.23	6.62	0.0001	0.0069 SUPT3H	retinoblastoma binding protein 9	1.53
TC20000669.hg.1	11.12	10.5	0.0006	0.0158 RBBP9		1.53
TC11002487.hg.1	5.49	4.88	8.51E-05	0.0063 B4GALNT4	beta-1,4-N-acetyl- galactosaminyl transferase 4	1.53

TC12000427.hg.1	7.74	7.13	0.0008	0.0188 TNS2	tensin 2	1.53
TC01003030.hg.1	5.11	4.5	0.0046	0.048 IGSF3	immunoglobulin superfamily, member 3	1.53
TC05001113.hg.1	6.7	6.09	0.0028	0.036 LOC728613	programmed cell death 6 pseudogene lymphocyte antigen 6	1.53
TC08000809.hg.1	5.07	4.46	0.0008	0.0184 LY6K	complex, locus K	1.53
TC05002108.hg.1	9.83	9.23	0.0004	0.0125 DBN1	drebrin 1	1.52
TC02000331.hg.1	8.68	8.07	0.0024	0.0333 VRK2	vaccinia related kinase 2 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	1.52
TC03001370.hg.1	11.77	11.16	0.0006	0.0162 SMARCC1	oxysterol binding protein-like 11 beclin 1, autophagy related	1.52
TC03001725.hg.1	9.54	8.93	0.0027	0.0357 OSBPL11		1.52
TC17001545.hg.1	11.31	10.7	0.0047	0.0488 BECN1		1.52
TC12001620.hg.1	11.62	11.02	0.0029	0.0369 STAT6	signal transducer and activator of transcription 6, interleukin-4 induced	1.52

TC19000630.hg.1	5.99	5.4	0.0021	0.0315 BCAM	basal cell adhesion molecule (Lutheran blood group)	1.51
TC17002036.hg.1	11.98	11.39	0.0017	0.0277 SENP3-EIF4A1	SENTP3-EIF4A1 readthrough	1.51
TC0X000017.hg.1	6.67	6.08	0.0044	0.0466 GYG2	glycogenin 2 carbohydrate (chondroitin 6) sulfotransferase	1.51
TC10000445.hg.1	7.71	7.11	0.0009	0.0195 CHST3	3 translocase of inner mitochondrial membrane 21	1.51
TC18000246.hg.1	10.86	10.26	0.0045	0.0477 TIMM21	homolog (yeast) placental growth factor	1.51
TC14001313.hg.1	6.52	5.93	0.0038	0.0429 PGF	somatomedin B and thrombospondin type 1 domain	1.51
TC08001325.hg.1	4.9	4.31	0.0004	0.0137 SBSPON	containing spermatid perinuclear RNA binding protein	1.51
TC09002918.hg.1	5.74	5.15	0.0002	0.008 STRBP	lysosomal- associated membrane protein 1	1.5
TC13000421.hg.1	11.01	10.42	0.0036	0.0414 LAMP1		

TC6_apd_hap1000078.hg.	10.77	10.18	0.0022	0.032 FLOT1	flotillin 1 glycoprotein (transmembrane)	1.5
TC07000144.hg.1	7.47	6.88	0.0006	0.0164 GPNMB	nmb mitochondrial pyruvate carrier	1.5
TC06002307.hg.1	8.65	8.07	0.0035	0.0408 MPC1	1 kinase insert	1.5
TC04001208.hg.1	4.53	3.95	0.003	0.0375 KDR	domain receptor long intergenic non-protein	1.5
TC07003116.hg.1	8.85	8.26	0.0018	0.0282 LINC00998	coding RNA 998	1.5
TC18000272.hg.1	11.11	10.52	0.0007	0.0172 THOC1	THO complex 1 zinc finger,	1.5
TC08001164.hg.1	4.87	4.29	0.0045	0.0472 ZMAT4	matrin-type 4 zinc finger	1.5
TC18000421.hg.1	6.5	5.92	5.07E-05	0.0053 ZNF521	protein 521	1.5
TC17000745.hg.1	4.84	4.26	1.41E-06	0.0015 TBX4	T-box 4 interferon- induced protein with tetratricopeptide repeats 1	1.49
TC10000639.hg.1	5.35	4.78	0.0007	0.0169 IFIT1	follistatin-like 3 (secreted glycoprotein)	1.49
TC19000012.hg.1	7.4	6.82	9.68E-05	0.0066 FSTL3	caspase recruitment domain family,	1.49
TC07001102.hg.1	5.9	5.32	1.18E-06	0.0014 CARD11	member 11 YdjC homolog	1.49
TC22000545.hg.1	6.8	6.22	0.0035	0.0409 YDJC	(bacterial)	1.49

TC02001095.hg.1	5.3	4.73	0.0001	0.0076 ZNF804A	zinc finger protein 804A	1.49
TC10000345.hg.1	7.32	6.74	0.0045	0.0474 ASAH2B	N- acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2B	1.49
TC18000231.hg.1	5.83	5.26	7.26E-05	0.006 SERPINB2; SERP	serpin peptidase inhibitor, clade B (ovalbumin), member 2;	1.48
TC04001797.hg.1	10.32	9.76	0.0014	0.0252 RWDD4	serpin peptidase inhibitor, clade B (ovalbumin), member 10 RWD domain	1.48
TC12003284.hg.1	6.23	5.66	0.0002	0.0095 RHOF	containing 4 ras homolog family member F (in filopodia)	1.48
TC0X000582.hg.1	9.32	8.76	0.0045	0.0473 SLC25A43	solute carrier family 25, member 43	1.48
TC0X000727.hg.1	6.91	6.34	0.001	0.0211 HMGB3	high mobility group box 3	1.48
TC12003298.hg.1	7.87	7.31	0.0024	0.0333 HOXC4; HOXC	homeobox C4; homeobox C6; homeobox C5	1.47
TC09001650.hg.1	8.62	8.06	0.0019	0.0294 ASB6	ankyrin repeat and SOCS box containing 6	1.47

					TBC1 domain family, member 17; microRNA	
TC19000750.hg.1	8.29	7.74	0.0006	0.0155	TBC1D17; MIF4750	1.47
TC15000584.hg.1	11.02	10.46	0.0009	0.0193	USP3 ubiquitin specific peptidase 3	1.47
TC12000490.hg.1	7.79	7.24	0.0042	0.0455	GDF11 growth differentiation factor 11	1.47
TC0X001374.hg.1	5.37	4.82	0.0023	0.0324	TFDP3 transcription factor Dp family, member 3	1.47
TC6_mann_hap4000131.h	4.53	3.98	0.0047	0.0489	PSORS1C3 psoriasis susceptibility 1 candidate 3 (non- protein coding)	1.47
TC11002138.hg.1	8.32	7.77	0.002	0.0301	NARS2 asparaginyl-tRNA synthetase 2, mitochondrial (putative)	1.46
TC12002824.hg.1	7.07	6.52	0.0006	0.0158	AMN1 antagonist of mitotic exit network 1	1.46
TC07000160.hg.1	10.25	9.7	0.0043	0.0462	CBX3 homolog chromobox	1.46
TC11003216.hg.1	5.85	5.3	0.0002	0.0097	SPTBN2 homolog 3 spectrin, beta, non-erythrocytic	1.46
TC19000662.hg.1	5.14	4.59	0.0046	0.0479	HIF3A 2 hypoxia inducible factor 3, alpha subunit	1.46

TC02004248.hg.1	5.45	4.9	0.0029	0.0366	LOC10012943 uncharacterized LOC100129434	1.46
TC04001744.hg.1	6.24	5.69	0.0002	0.0094	HAND2 heart and neural crest derivatives expressed 2	1.46
TC05002323.hg.1	7.07	6.52	0.0016	0.0271	LOC153546 uncharacterized LOC153546	1.46
TC17001908.hg.1	10.36	9.82	0.0032	0.0388	SRSF2; MIR63 serine/arginine-rich splicing factor 2; microRNA 636	1.45
TC01005919.hg.1	11.51	10.97	0.0021	0.031	MPC2 mitochondrial pyruvate carrier 2	1.45
TC12001109.hg.1	5.03	4.5	0.0031	0.0382	LOC10012825 uncharacterized LOC100128253	1.45
TC06002723.hg.1	7.64	7.11	0.0006	0.0165	EGFL8; PPT2-EGFL8 readthrough (NMD candidate)	1.45
TC19000240.hg.1	13.94	13.41	0.0012	0.0227	C19orf53 chromosome 19 open reading frame 53	1.44
TC09002903.hg.1	8.12	7.59	0.0032	0.0389	TMEFF1 transmembrane protein with EGF-like and two follistatin-like domains 1	1.44
TC08001462.hg.1	9.45	8.92	0.0001	0.0068	NIPAL2 NIPA-like domain containing 2	1.44

TC12001539.hg.1	8.89	8.37	1.19E-05	0.003 KRT8	keratin 8, type II cell cycle associated	1.44
TC11000324.hg.1	14.88	14.36	0.0021	0.0316 CAPRIN1	protein 1	1.44
TC09000611.hg.1	6.32	5.8	0.0016	0.0268 DAB2IP	DAB2 interacting protein	1.44
TC04001554.hg.1	5.83	5.31	0.0029	0.0368 PABPC4L	poly(A) binding protein, cytoplasmic 4- like	1.44
TC11002359.hg.1	14.3	13.78	0.0029	0.0369 RPS25	ribosomal protein S25	1.44
TC15001225.hg.1	8.93	8.41	4.45E-05	0.005 GPR176	G protein- coupled receptor 176	1.44
TC18000506.hg.1	12.34	11.82	0.0004	0.0128 ACAA2	acetyl-CoA acyltransferase 2	1.43
TC06000536.hg.1	10.21	9.69	0.0012	0.0226 C6orf89	chromosome 6 open reading frame 89	1.43
TC19000631.hg.1	9.35	8.83	0.001	0.0202 PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	1.43
TC04002523.hg.1	5.37	4.86	0.0033	0.0398 RBM47	RNA binding motif protein 47	1.43
TC0X002025.hg.1	4.97	4.46	0.0012	0.0231 DMD	dystrophin	1.43

TC05001872.hg.1	6.16	5.65	0.0002	0.009	ARAP3	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3	1.43
TC0X001394.hg.1	4.7	4.18	0.0036	0.0418	PLAC1	placenta specific 1	1.43
TC02001161.hg.1	7.92	7.41	0.0042	0.0453	SGOL2	shugoshin-like 2 (S. pombe)	1.43
TC19000541.hg.1	10.49	9.98	0.004	0.0444	SAMD4B	sterile alpha motif domain containing 4B	1.42
TC09000480.hg.1	8.67	8.16	0.0012	0.0225	HABP4	hyaluronan binding protein 4	1.42
TC15000709.hg.1	10.85	10.34	0.0031	0.0382	RCN2	reticulocalbin 2, EF-hand calcium binding domain	1.42
TC18001001.hg.1	11.49	10.99	0.0012	0.0231	SERPINB8	serpin peptidase inhibitor, clade B (ovalbumin), member 8	1.42
TC02004666.hg.1	14.57	14.06	0.0044	0.0472	MXRA7	matrix-remodelling associated 7	1.42
TC22000301.hg.1	13.32	12.81	0.0002	0.0093	KDEL3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	1.42
TC11001203.hg.1	8.45	7.95	0.0019	0.029	NTM	neurotrimin	1.42

TC11001425.hg.1	8.52	8.02	0.0011	0.0216 DKK3	dickkopf WNT signaling pathway inhibitor 3	1.42
TC02001105.hg.1	15.21	14.71	0.0043	0.0459 COL3A1; MIR5	collagen, type III, alpha 1; microRNA 3606	1.41
TC05000372.hg.1	8.74	8.24	4.38E-05	0.0049 F2RL1	coagulation factor II (thrombin) receptor-like 1	1.41
TC03000046.hg.1	4.99	4.49	0.0029	0.0369 IL17RE	interleukin 17 receptor E	1.41
TC12001299.hg.1	6.43	5.93	0.0006	0.0153 KCNJ8	potassium channel, inwardly rectifying subfamily J, member 8	1.41
TC07001808.hg.1	12.4	11.91	0.0011	0.0222 FAM3C	family with sequence similarity 3, member C	1.41
TC01006023.hg.1	12.55	12.06	0.0008	0.0188 ASPM	abnormal spindle microtubule assembly	1.41
TC01000926.hg.1	5.13	4.64	0.002	0.0306 NTNG1	netrin G1	1.41
TC07001073.hg.1	7.13	6.63	0.0017	0.0273 PDGFA	platelet-derived growth factor alpha polypeptide	1.41

TC02000463.hg.1	6.72	6.23	0.0017	0.0279 HTRA2	HtrA serine peptidase 2	1.41
TC03003098.hg.1	10.71	10.22	0.0021	0.0315 TOPBP1	topoisomerase (DNA) II binding protein 1	1.4
TC03003057.hg.1	6.62	6.13	2.17E-05	0.0039 MYLK	myosin light chain kinase	1.4
TC04001814.hg.1	8.95	8.46	0.0044	0.0472 CFAP97	cilia and flagella associated protein 97	1.4
TC04002161.hg.1	12.73	12.25	0.0007	0.0176 CEP170P1	centrosomal protein 170kDa pseudogene 1	1.4
TC18000578.hg.1	8.95	8.46	0.0004	0.0124 ZADH2	zinc binding alcohol dehydrogenase domain	1.4
TC19000319.hg.1	10.19	9.71	0.0008	0.0188 FAM32A	containing 2 family with sequence similarity 32, member A	1.4
TC06001044.hg.1	12.74	12.25	0.0006	0.0161 VTA1	vesicle (multivesicular body) trafficking 1	1.4
TC01006029.hg.1	6.59	6.11	0.001	0.0207 LINC00862	long intergenic non-protein coding RNA 862	1.39
TC01006345.hg.1	8.25	7.77	0.0018	0.0281 SLC35E2	solute carrier family 35, member E2	1.39

TC11000015.hg.1	5.21	4.73	0.0001	0.0071	B4GALNT4	beta-1,4-N-acetyl- galactosaminyl transferase 4	1.39
TC19000039.hg.1	16.92	16.44	0.0043	0.0459	RPS15	ribosomal protein S15	1.39
TC15001201.hg.1	7.47	6.99	8.74E-05	0.0064	ACTC1	actin, alpha, cardiac muscle 1	1.39
TC02000464.hg.1	7.03	6.55	0.0002	0.0099	DOK1	docking protein 1	1.39
TC19000904.hg.1	8.6	8.12	0.0034	0.0403	ZNF580	zinc finger protein 580	1.39
TC13000064.hg.1	10.43	9.95	0.0037	0.0424	NUP58	nucleoporin 58kDa	1.39
TC01006402.hg.1	5.53	5.06	0.0023	0.0326	KCNC4	potassium channel, voltage gated Shaw related subfamily C, member 4	1.39
TC06000883.hg.1	12.68	12.21	0.0013	0.0236	AMD1	adenosylmethion ine decarboxylase 1	1.39
TC02000952.hg.1	10.47	10	7.35E-05	0.0061	GPD2	glycerol-3- phosphate dehydrogenase 2	1.38
TC02003743.hg.1	14.02	13.55	0.0026	0.035	COL3A1	collagen, type III, alpha 1	1.38
TC01000887.hg.1	5.96	5.49	0.0003	0.0117	LOC729987	uncharacterized LOC729987	1.38

					charged multivesicular body protein	
TC0X001181.hg.1	5.76	5.3	0.0048	0.0495 CHMP1B2P	1B2, pseudogene	1.38
TC16001788.hg.1	10.61	10.15	0.0022	0.0322 XYLT1	xylosyltransferase I	1.38
TC07001768.hg.1	10.06	9.6	0.0015	0.026 LINC00998	long intergenic non-protein coding RNA 998	1.37
TC11000951.hg.1	8.07	7.61	0.0007	0.017 C11orf70	chromosome 11 open reading frame 70	1.37
TC0X002162.hg.1	5.51	5.06	0.0004	0.0137 TMSB15A	thymosin beta 15a	1.37
TC10000425.hg.1	8.82	8.37	2.37E-05	0.004 H2AFY2	H2A histone family, member Y2	1.37
TC10001761.hg.1	10.11	9.66	4.47E-07	0.001 EBF3	early B-cell factor 3	1.37
TC09002302.hg.1	12.74	12.29	0.0026	0.0349 ABL1	ABL proto-oncogene 1, non-receptor tyrosine kinase	1.36
TC15000953.hg.1	6.83	6.38	0.0008	0.0184 SYNM	synemin, intermediate filament protein signal sequence receptor, beta (translocon-associated protein beta)	1.36
TC01003329.hg.1	9.84	9.4	0.0039	0.0434 SSR2	homeobox A4	1.36
TC07003352.hg.1	6.13	5.69	0.0002	0.0094 HOXA4		1.36

TC13000164.hg.1	6.78	6.33	0.0008	0.0182 SERP2	stress-associated endoplasmic reticulum protein family member 2	1.36
TC01000863.hg.1	9.51	9.06	0.0002	0.009 FNBP1L	formin binding protein 1-like leucine-rich repeats and IQ motif containing	1.36
TC12000684.hg.1	4.74	4.3	0.0031	0.0385 LRR1Q1	1	1.36
TC01005544.hg.1	9.7	9.26	0.0049	0.05 SLC35D1	solute carrier family 35 (UDP- GlcA/UDP- GalNAc transporter), member D1	1.36
TC01000992.hg.1	8.07	7.63	0.0032	0.0389 MOV10	Mov10 RISC complex RNA helicase	1.36
TC04001605.hg.1	4.86	4.42	0.0013	0.0239 GYPE	glycophorin E (MNS blood group)	1.36
TC07000852.hg.1	4.72	4.28	0.0008	0.0181 CHR2	cholinergic receptor, muscarinic 2	1.35
TC02000942.hg.1	8.22	7.78	0.0017	0.0279 ARL6IP6	ADP-ribosylation factor like GTPase 6 interacting protein 6	1.35

TC12001766.hg.1	12.91	12.48	0.0011	0.0213	PPP1R12A	protein phosphatase 1, regulatory subunit 12A	1.35
TC11001231.hg.1	4.69	4.26	0.0045	0.0478	SIGIRR	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	1.35
TC01002891.hg.1	13.71	13.28	0.0023	0.0328	CNN3	calponin 3, acidic long intergenic non-protein coding RNA 52	1.35
TC15000835.hg.1	3.92	3.49	0.0034	0.0401	LINC00052	LYPLAL1	1.34
TC01003828.hg.1	4.68	4.26	0.0011	0.0215	LYPLAL1-AS1	antisense RNA 1 (head to head) solute carrier family 6 (neutral amino acid transporter), member 17	1.34
TC01000961.hg.1	5.55	5.12	0.001	0.0202	SLC6A17	paired-like homeodomain 1	1.34
TC05001797.hg.1	5.96	5.53	0.0029	0.0367	PITX1	retinoblastoma binding protein 8; microRNA	1.34
TC18000097.hg.1	9.92	9.5	0.0001	0.0076	RBBP8; MIR4741	galanin/GMAP prepropeptide	1.34
TC11000709.hg.1	5.98	5.56	0.0041	0.045	GAL	SRY box 6; microRNA 6073	1.34
TC11001449.hg.1	4.81	4.39	0.0006	0.0164	SOX6; MIR607		1.34

TC07001175.hg.1	7.55	7.13	0.0004	0.0133	TWIST1	twist family bHLH transcription factor 1	1.34
TC01003892.hg.1	8.13	7.71	0.0047	0.0487	TMEM63A	transmembrane protein 63A	1.34
TC15000843.hg.1	4.7	4.28	1.65E-08	0.0001	ACAN	aggrecan	1.34
TC01001925.hg.1	4.55	4.13	0.0016	0.0263	MAP10	microtubule-associated protein 10	1.33
TC12000968.hg.1	5.41	5	0.0016	0.0266	LOC100506691	uncharacterized LOC100506691	1.33
TC10000869.hg.1	8.34	7.92	0.0046	0.0482	INPP5F	inositol polyphosphate-5-phosphatase F	1.33
TC06000175.hg.1	6.34	5.92	0.0044	0.0468	HIST1H4F; HIST1H4F	histone cluster 1, H4f; histone cluster 1, H4b	1.33
TC03001713.hg.1	7.03	6.61	2.84E-06	0.0018	MYLK	myosin light chain kinase	1.33
TC04000604.hg.1	12.52	12.11	0.0011	0.0217	CEP170P1	centrosomal protein 170kDa pseudogene 1	1.33
TC11001478.hg.1	8.31	7.9	0.0012	0.0231	E2F8	E2F transcription factor 8	1.33
TC03000730.hg.1	5.16	4.74	0.0038	0.0426	EPHB1	EPH receptor B1	1.33
TC04002924.hg.1	6.73	6.32	0.001	0.0207	SLC39A8	solute carrier family 39 (zinc transporter), member 8	1.33
TC17001425.hg.1	5.93	5.52	0.0003	0.0112	AC124789.1		1.33

TC16001086.hg.1	8.67	8.26	0.0046	0.0482	C16orf87	chromosome 16 open reading frame 87	1.33
TC07001408.hg.1	11.82	11.41	0.0013	0.0239	CHCHD2	coiled-coil-helix- coiled-coil-helix domain containing 2 poliovirus receptor-related 2 (herpesvirus entry mediator B)	1.33
TC19002164.hg.1	10.16	9.75	0.0004	0.0121	PVRL2	TAF4b RNA polymerase II, TATA box binding protein (TBP)- associated factor, 105kDa	1.33
TC18000114.hg.1	6.63	6.23	0.0005	0.0152	TAF4B	syntaxin 18	1.33
TC04000990.hg.1	8.27	7.86	0.0042	0.0459	STX18	hypoxia inducible lipid droplet- associated	1.32
TC07003293.hg.1	7.05	6.65	0.0013	0.0235	HILPDA	spectrin repeat containing, nuclear envelope family member 3 purinergic receptor P2X, ligand gated ion channel, 1	1.32
TC14001476.hg.1	6.73	6.33	0.0018	0.0284	SYNE3		
TC17001014.hg.1	5.54	5.14	0.0047	0.0486	P2RX1		

TC11002233.hg.1	4.84	4.44	0.0002	0.0091	MMP10	matrix metalloproteinase 10	1.32
TC01003623.hg.1	12.65	12.25	0.0049	0.0499	EDEM3	ER degradation enhancer, mannosidase alpha-like 3	1.32
TC04000224.hg.1	9.58	9.18	7.69E-05	0.0061	KLHL5	kelch-like family member 5	1.32
TC21000113.hg.1	4.41	4.01	0.0044	0.0468	HUNK	hormonally up-regulated Neu-associated kinase	1.32
TC01002916.hg.1	9.17	8.78	0.0044	0.0468	SASS6	SAS-6 centriolar assembly protein	1.32
TC19000443.hg.1	7.01	6.62	0.0039	0.0433	PDCD2L	programmed cell death 2-like	1.32
TC09001571.hg.1	7.94	7.54	0.0044	0.0468	DENND1A	DENN/MADD domain containing 1A	1.32
TC15001004.hg.1	8.43	8.04	0.0037	0.0419	WASH3P; WASH3P	WAS protein family homolog 3 pseudogene; WAS protein family homolog 2 pseudogene; WAS protein family homolog 7 pseudogene; WAS protein family homolog 1	1.31

					translocase of inner mitochondrial membrane 8 homolog A (yeast)	
TC0X001217.hg.1	6.23	5.84	0.0015	0.0259 TIMM8A		1.31
TC19002285.hg.1	9.85	9.46	0.0025	0.0346 TCF3	transcription factor 3	1.31
TC01000647.hg.1	5.05	4.66	0.0006	0.0156 ZYG11A	zyg-11 family member A, cell cycle regulator	1.31
TC0X000628.hg.1	9.5	9.11	2.78E-05	0.0042 STK26	serine/threonine protein kinase 26	1.31
TC10000637.hg.1	7.48	7.09	0.0004	0.0137 IFIT3	interferon-induced protein with tetratricopeptide repeats 3	1.31
TC15000796.hg.1	5.62	5.24	0.0002	0.0091 TM6SF1	transmembrane 6 superfamily member 1	1.31
TC02002229.hg.1	10.78	10.4	0.0009	0.0198 SLC35F5	solute carrier family 35, member F5	1.3
TC17001036.hg.1	15.09	14.71	0.0006	0.0164 PFN1	profilin 1	1.3
					RAS p21 protein activator 4; RAS p21 protein	
TC07003373.hg.1	5.89	5.51	7.46E-05	0.0061 RASA4; RASA4	activator 4B	1.3

TC01005429.hg.1	6.45	6.07	0.0016	0.0263	HIVEP3	human immunodeficiency virus type I enhancer binding protein 3	1.3
TC10002621.hg.1	9.36	8.98	0.0028	0.0365	CTSLP8	cathepsin L pseudogene 8	1.3
TC0X000453.hg.1	5.73	5.36	0.0005	0.0147	PABPC5	poly(A) binding protein, cytoplasmic 5	1.3
TC12001430.hg.1	8.18	7.8	0.0038	0.0428	AMIGO2	adhesion molecule with Ig-like domain 2	1.3
TC01002304.hg.1	7.08	6.71	0.0011	0.0217	TMCO4	transmembrane and coiled-coil domains 4	1.3
TC0X000510.hg.1	8.85	8.48	0.0005	0.0147	FAM199X	family with sequence similarity 199, X-linked	1.29
TC04000512.hg.1	9.56	9.19	0.0041	0.045	METAP1	methionyl aminopeptidase 1	1.29
TC21000266.hg.1	12.61	12.24	0.0042	0.0453	RPL23AP4	ribosomal protein L23a pseudogene 4	1.29
TC01000352.hg.1	7.73	7.36	0.0003	0.0116	ZDHH18	zinc finger, DHHC-type containing 18	1.29
TC09001643.hg.1	8.76	8.39	0.0037	0.0421	CRAT	carnitine O-acetyltransferase	1.29

TC12002781.hg.1	4.08	3.71	0.0014	0.0245 LMO3	LIM domain only 3 (rhombotin-like 2) GA binding protein transcription factor, beta subunit 2	1.29
TC01001202.hg.1	8.08	7.72	0.0025	0.0339 GABPB2	FCH and double SH3 domains 2	1.28
TC11002062.hg.1	10.9	10.54	0.0018	0.0287 FCHSD2		1.28
TC04001346.hg.1	9.23	8.87	0.0028	0.0365 COQ2	coenzyme Q2 4- hydroxybenzoate polyprenyltransf erase	1.28
TC03000524.hg.1	8.66	8.3	0.0014	0.0247 CEP97	centrosomal protein 97kDa	1.28
TC03003114.hg.1	5.51	5.15	0.0004	0.0131 RBP1	retinol binding protein 1, cellular	1.28
TC20000715.hg.1	12.02	11.66	0.0012	0.0225 CST3	cystatin C Cbl proto- oncogene, E3 ubiquitin protein ligase	1.28
TC11001089.hg.1	10.92	10.56	0.0023	0.0329 CBL	dicer 1, ribonuclease type III	1.28
TC14002137.hg.1	8.17	7.81	0.0004	0.0135 DICER1		1.28

TC07000508.hg.1	8.63	8.28	0.0023	0.0328	GNAI1	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	1.28
TC19000216.hg.1	6.99	6.64	0.0029	0.0371	ZNF788	zinc finger family member 788	1.28
TC12000918.hg.1	6.1	5.75	0.0002	0.0091	RNFT2	ring finger protein, transmembrane 2	1.27
TC17001499.hg.1	5.78	5.43	0.0007	0.0172	KRT33A	keratin 33A, type I	1.27
TC0X001138.hg.1	11.09	10.75	0.0012	0.0233	RPS4X	ribosomal protein S4, X-linked	1.27
TC16000096.hg.1	8.72	8.37	0.0003	0.0108	THOC6	THO complex 6	1.27
TC09001882.hg.1	12	11.66	0.0012	0.0225	UBAP1	ubiquitin associated protein 1	1.27
TC19001496.hg.1	5.68	5.35	0.0039	0.0434	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	1.27
TC01003614.hg.1	6.35	6.01	0.0016	0.0263	NMNAT2	nicotinamide nucleotide adenyltransferase 2	1.26

TC18000252.hg.1	9.53	9.19	8.56E-05	0.0063	TSHZ1	teashirt zinc finger homeobox 1	1.26
TC14000243.hg.1	5.96	5.62	9.65E-05	0.0066	SSTR1	somatostatin receptor 1	1.26
TC11001313.hg.1	4.17	3.84	0.0009	0.0193	OR51C1P	olfactory receptor, family 51, subfamily C, member 1	1.26
TC03001233.hg.1	5.71	5.38	0.0019	0.0297	ZNF385D	pseudogene zinc finger protein 385D	1.26
TC02000530.hg.1	10.16	9.83	0.0047	0.0484	ANAPC1	anaphase promoting complex subunit 1	1.26
TC01000323.hg.1	7.03	6.7	0.003	0.0379	LDLRAP1	low density lipoprotein receptor adaptor protein 1	1.26
TC15001350.hg.1	10.02	9.68	0.0033	0.0396	GABPB1	GA binding protein transcription factor, beta subunit 1	1.26
TC14001138.hg.1	11.42	11.09	0.0031	0.0385	NID2	nidogen 2 (osteonidogen)	1.26
TC06000541.hg.1	8.33	8	0.001	0.0211	PIM1	Pim-1 proto- oncogene, serine/threonine kinase	1.26

TC6_cox_hap2000154.hg.1	4.56	4.23	0.0038	0.0432	PSORS1C3	psoriasis susceptibility 1 candidate 3 (non- protein coding)	1.26
TC6_dbb_hap3000143.hg.1	4.56	4.23	0.0038	0.0432	PSORS1C3	psoriasis susceptibility 1 candidate 3 (non- protein coding)	1.26
TC11002249.hg.1	6.88	6.55	0.0024	0.0332	CASP1P2	caspase 1 pseudogene 2	1.26
TC19002612.hg.1	4.45	4.12	0.002	0.0301	PSG6	pregnancy specific beta-1- glycoprotein 6	1.25
TC05000906.hg.1	12.58	12.25	0.0003	0.0112	CCNG1	cyclin G1	1.25
TC07000627.hg.1	11.41	11.08	0.0011	0.0219	PCOLCE	procollagen C- endopeptidase enhancer	1.25
TC05001137.hg.1	9.73	9.41	0.0035	0.0412	MED10	mediator complex subunit 10	1.25
TC07001222.hg.1	6.94	6.62	0.0012	0.023	HOXA6	homeobox A6	1.25
TC19001029.hg.1	10.8	10.48	0.001	0.0206	TIMM13	translocase of inner mitochondrial membrane 13 homolog (yeast)	1.25
TC03002268.hg.1	12.89	12.57	8.87E-05	0.0064	TGFBR2	transforming growth factor beta receptor II	1.25
TC04001135.hg.1	5.77	5.45	0.0047	0.0487	LOC344967	acyl-CoA thioesterase 7 pseudogene	1.25

TC17002637.hg.1	7.19	6.87	0.0007	0.0168 GHDC	GH3 domain containing coagulation factor X exosome component 4 thrombospondin type 1 domain containing 1	1.25
TC13000417.hg.1	5.07	4.75	0.0035	0.0411 F10		1.25
TC08000838.hg.1	7.21	6.9	0.0008	0.0184 EXOSC4		1.24
TC13000688.hg.1	8.4	8.08	0.0045	0.0477 THSD1		1.24
TC08000641.hg.1	11.25	10.94	0.0032	0.0388 ATP6V1C1	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C1 differentiation antagonizing non- protein coding RNA	1.24
TC04002014.hg.1	6.16	5.85	0.0025	0.0346 DANCER	aurora kinase A and ninein interacting protein	1.24
TC01002381.hg.1	6.65	6.34	0.0041	0.0452 AUNIP	Yip1 interacting factor homolog B (S. cerevisiae)	1.24
TC19001497.hg.1	11.43	11.13	0.0021	0.0316 YIF1B	nucleoporin 50kDa protein phosphatase 2, regulatory subunit B, gamma	1.24
TC22000378.hg.1	9.24	8.93	0.0039	0.0436 NUP50		1.24
TC14001034.hg.1	8.91	8.6	0.0008	0.0188 PPP2R3C		1.24

TC17000073.hg.1	9.21	8.91	0.0039	0.0434	TXNDC17	thioredoxin domain containing 17 centrosomal protein 170kDa transmembrane protein 123	1.23
TC01004038.hg.1	12.17	11.87	0.001	0.0202	CEP170	Meis homeobox 1	1.23
TC11002226.hg.1	12.59	12.29	0.0034	0.0401	TMEM123	neurocalcin delta TBC1 domain family, member 8B (with GRAM domain)	1.23
TC02000386.hg.1	7.67	7.37	0.0015	0.0257	MEIS1	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4 mitochondrial pyruvate carrier 2	1.23
TC08001494.hg.1	5.77	5.47	0.0043	0.0464	NCALD	transcription elongation factor A (SII), 3	1.23
TC0X000520.hg.1	9.11	8.81	0.0001	0.0069	TBC1D8B	aldo-keto reductase family 1, member C4	1.22
TC14000168.hg.1	6.45	6.15	0.0026	0.0349	NFATC4	endothelin converting enzyme 1	1.22
TC01003484.hg.1	7.61	7.31	0.0008	0.0186	MPC2		
TC01002342.hg.1	6.31	6.01	0.0001	0.007	TCEA3		
TC10000044.hg.1	5.05	4.76	0.0045	0.0473	AKR1C4		
TC01002322.hg.1	10.49	10.2	0.0007	0.0177	ECE1		

					muscle RAS oncogene	
TC03000744.hg.1	8.22	7.93	0.0006	0.0164 MRAS	homolog	1.22
TC06000060.hg.1	12.49	12.2	0.0044	0.0467 DSP	desmoplakin activin A	1.22
TC12000410.hg.1	5.2	4.91	0.0006	0.0162 ACVRL1	receptor type IL AF4/FMR2	1.22
TC02002136.hg.1	5.93	5.64	0.0011	0.0219 AFF3	family, member 3	1.22
TC02003337.hg.1	8.58	8.29	0.0035	0.0407 INO80B-WBP1	INO80B-WBP1 readthrough (NMD candidate)	1.22
TC04001342.hg.1	9.46	9.17	0.0004	0.0131 LIN54	lin-54 DREAM MuvB core complex	1.22
TC03000692.hg.1	8.15	7.87	0.0009	0.0196 IFT122	component intraflagellar transport 122	1.22
TC10001133.hg.1	4.94	4.66	8.24E-05	0.0063 MKX	mohawk homeobox	1.22
TC02003127.hg.1	5.91	5.62	0.0049	0.0499 GTF3C2-AS1	GTF3C2 antisense RNA 1	1.22
TC16001756.hg.1	6.94	6.65	0.001	0.0209 TFAP4	transcription factor AP-4 (activating enhancer binding protein 4)	1.22
TC10001451.hg.1	8.25	7.96	0.0002	0.008 ZCCHC24	zinc finger, CCHC domain	1.22
TC09001609.hg.1	14.25	13.97	0.0038	0.0431 ENG	containing 24 endoglin	1.21

TC07001873.hg.1	6.45	6.18	0.0028	0.0362	MKLN1-AS	MKLN1 antisense RNA	1.21
TC01002000.hg.1	8.56	8.28	0.0019	0.0294	CNST	consortin, connexin sorting protein	1.21
TC03001215.hg.1	9.16	8.88	0.0013	0.0234	DPH3	diphthamide	1.21
TC10000420.hg.1	5.67	5.4	0.0021	0.031	TSPAN15	biosynthesis 3 tetraspanin 15	1.21
TC01003311.hg.1	8.9	8.63	0.0029	0.0367	CLK2	CDC like kinase 2 stromal interaction	1.21
TC04000184.hg.1	8.41	8.14	0.0005	0.0142	STIM2	molecule 2 inositol 1,4,5- trisphosphate receptor	1.21
TC16000210.hg.1	8.66	8.38	0.001	0.0207	ITPRIPL2	interacting protein-like 2	1.21
TC08000439.hg.1	4.72	4.44	0.003	0.0376	TRIM55	tripartite motif containing 55	1.21
TC17000295.hg.1	7.22	6.94	0.0038	0.0426	DHRS7B	dehydrogenase/r eductase (SDR family) member 7B	1.21
TC21000479.hg.1	8.14	7.87	0.0027	0.0353	C2CD2	C2 calcium- dependent domain	1.21
TC01000520.hg.1	9.94	9.68	0.0004	0.0133	CTPS1	containing 2 CTP synthase 1	1.2
TC15000435.hg.1	11.91	11.65	0.0014	0.0248	TCF12	transcription factor 12	1.2

TC07001217.hg.1	8.13	7.87	7.61E-06	0.0026 SKAP2	src kinase associated phosphoprotein 2	1.2
TC02003744.hg.1	15.59	15.32	0.0042	0.0458 COL3A1	collagen, type III, alpha 1	1.2
TC11003505.hg.1	6.26	5.99	0.0001	0.0068 CASP1	caspase 1	1.2
TC21001059.hg.1	9.83	9.57	0.0014	0.0244 IL10RB	interleukin 10 receptor, beta	1.2
TC14001241.hg.1	7.42	7.16	0.0007	0.0176 PIGH	phosphatidylinositol glycan anchor biosynthesis class H	1.2
TC21000167.hg.1	5.71	5.45	0.0031	0.0384 KCNJ15	potassium channel, inwardly rectifying subfamily J, member 15	1.2
TC02005002.hg.1	5.11	4.85	4.53E-05	0.005 KLHL23	kelch-like family member 23	1.2
TC06003070.hg.1	6.09	5.83	0.002	0.0306 MYB	v-myb avian myeloblastosis viral oncogene homolog	1.2
TC04000893.hg.1	4.8	4.54	0.003	0.0372 STOX2	storkhead box 2	1.2
TC15000322.hg.1	5.76	5.5	0.0012	0.0234 STARD9	StAR-related lipid transfer domain containing 9	1.19
TC05002470.hg.1	5.32	5.06	0.0031	0.0385 CMYA5	cardiomyopathy associated 5	1.19

TC14001831.hg.1	5.59	5.34	0.0022	0.0317	C14orf132	chromosome 14 open reading frame 132	1.19
TC17002261.hg.1	4.91	4.65	1.06E-05	0.0029	IGF2BP1	insulin-like growth factor 2 mRNA binding protein 1	1.19
TC01006351.hg.1	9.84	9.58	0.0003	0.0118	RRAGC	Ras-related GTP binding C	1.19
TC06000614.hg.1	7.79	7.53	0.0007	0.0166	SLC29A1	solute carrier family 29 (equilibrative nucleoside transporter), member 1	1.19
TC05000682.hg.1	16.25	16	0.0029	0.037	TGFBI	transforming growth factor, beta-induced, 68kDa	1.19
TC10001271.hg.1	7	6.76	2.61E-05	0.0042	VSTM4	V-set and transmembrane domain containing 4	1.19
TC17000562.hg.1	10.14	9.89	0.0045	0.0476	G6PC3	glucose 6 phosphatase, catalytic, 3	1.19
TC01001289.hg.1	9.8	9.55	0.0011	0.0216	SLC50A1	solute carrier family 50 (sugar efflux transporter), member 1	1.19

					ATPase, H+ transporting, lysosomal 56/58kDa, V1	
TC08000151.hg.1	10.65	10.4	0.0016	0.027	ATP6V1B2 subunit B2	1.19
TC03000864.hg.1	8.47	8.22	0.0017	0.0279	RSRC1 arginine/serine- rich coiled-coil 1	1.19
TC09001760.hg.1	8.25	8	0.0032	0.0391	MIR3621 microRNA 3621	1.19
TC11002435.hg.1	6.37	6.12	0.0002	0.0094	KIRREL3 kin of IRRE like 3 (Drosophila)	1.19
					palmitoyl-protein thioesterase 2; EGF-like-domain, multiple 8; PPT2- EGFL8 readthrough	
TC6_mann_hap4000070.h	6.14	5.9	0.0043	0.0463	PPT2; EGFL8; (NMD candidate)	1.18
					RAD21 cohesin complex component;	
TC08001546.hg.1	10.84	10.6	0.0006	0.0154	RAD21; MIR3610 microRNA 3610	1.18
					transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)	
TC20000436.hg.1	4.83	4.59	0.0033	0.0395	TFAP2C	1.18
					homeobox B3; homeobox B4;	
TC17002909.hg.1	6.25	6.01	0.0007	0.0176	HOXB3; HOXB microRNA 10a	1.18

TC07001039.hg.1	10.6	10.36	0.0023	0.0329	INSIG1	insulin induced gene 1	1.18
TC05002960.hg.1	8.83	8.59	0.0008	0.0184	GDNF	glial cell derived neurotrophic factor	1.18
TC03000862.hg.1	14.22	13.98	0.0011	0.0215	PTX3	pentraxin 3, long	1.18
TC09000252.hg.1	5.84	5.6	0.0005	0.0148	RP11-327I22.4		1.18
TC22000126.hg.1	5.69	5.45	0.0038	0.0427	GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	1.18
TC04000559.hg.1	14.08	13.85	0.0048	0.0493	OSTC	oligosaccharyltra nsferase complex subunit (non- catalytic)	1.18
TC01002725.hg.1	4.75	4.52	0.001	0.0203	KANK4	KN motif and ankyrin repeat domains 4	1.18
TC12000534.hg.1	4.86	4.63	0.0039	0.0433	KIF5A	kinesin family member 5A	1.17
TC12000969.hg.1	9.19	8.96	0.0008	0.0187	MLXIP	MLX interacting protein	1.17
TC0X001716.hg.1	4.83	4.6	0.003	0.0375	KDM5C	lysine (K)-specific demethylase 5C	1.17
TC02002676.hg.1	10.01	9.78	0.0019	0.0299	TMEM237	transmembrane protein 237	1.17

TC09000859.hg.1	8.39	8.16	0.0016	0.0268	WASH1; WASP WAS protein family homolog 1; WAS protein family homolog 7 pseudogene; WAS protein family homolog 2	1.17
TC05001487.hg.1	4.46	4.23	0.0003	0.0102	GCNT4 glucosaminyl (N- acetyl) transferase 4, core 2 ADAM metallopeptidase	1.17
TC02001218.hg.1	6.86	6.63	0.0003	0.0114	ADAM23 domain 23 malic enzyme 2, NAD(+)- dependent, mitochondrial	1.17
TC18000180.hg.1	11.22	10.99	0.0003	0.0115	ME2 zinc finger protein 124	1.17
TC01004066.hg.1	6.9	6.67	0.0024	0.0337	ZNF124 solute carrier family 6 (neurotransmitter transporter), member 10,	1.17
TC16001854.hg.1	7.48	7.26	0.0004	0.0123	SLC6A10P pseudogene	1.16
TC12000730.hg.1	5.16	4.94	0.0001	0.0069	PLXNC1 plexin C1 peptidase	1.16
TC08000497.hg.1	4.57	4.35	0.0042	0.0454	PI15 inhibitor 15 calcium homeostasis	1.16
TC10002813.hg.1	10.4	10.18	0.0025	0.034	CALHM2 modulator 2	1.16

TC17002873.hg.1	8.82	8.61	0.0019	0.0294	transmembrane protein 199; TMEM199; M microRNA 4723	1.16
TC17000813.hg.1	5.69	5.48	0.0009	0.019	potassium channel, inwardly rectifying subfamily J, member 2	1.16
TC12002547.hg.1	10.25	10.04	0.0035	0.0409	thymine DNA glycosylase	1.16
TC19001061.hg.1	5.38	5.17	0.0026	0.0348	signal transducing adaptor family member 2	1.16
TC15002563.hg.1	6.42	6.21	0.0031	0.0381	RAR-related orphan receptor A	1.15
TC02000517.hg.1	5.38	5.17	0.0001	0.007	atonal bHLH transcription factor 8	1.15
TC17002910.hg.1	5.67	5.47	0.001	0.0204	homeobox B6 family with sequence similarity 105, member A	1.15
TC05000084.hg.1	4.55	4.35	0.0001	0.0077	FAM105A	1.15
TC16001237.hg.1	7.91	7.71	0.0033	0.0398	metastasis suppressor 1-like serpin peptidase inhibitor, clade B (ovalbumin), member 9	1.15
TC06001220.hg.1	6.64	6.44	0.0011	0.0217	SERPINB9	1.15

TC16001066.hg.1	6.92	6.72	0.0012	0.0227	SLC6A10P	solute carrier family 6 (neurotransmitter transporter), member 10, pseudogene	1.15
TC16001314.hg.1	13.33	13.12	0.003	0.0374	COTL1	coactosin-like F-actin binding protein 1	1.15
TC12000812.hg.1	8.98	8.78	2.69E-05	0.0042	CHST11	carbohydrate (chondroitin 4) sulfotransferase 11	1.15
TC16000827.hg.1	7.15	6.95	0.0012	0.0227	TFAP4	transcription factor AP-4 (activating enhancer binding protein 4)	1.15
TC15000872.hg.1	7.07	6.87	0.0002	0.0088	MAN2A2	mannosidase, alpha, class 2A, member 2	1.15
TC12000726.hg.1	6.16	5.96	4.45E-05	0.005	SOCS2	suppressor of cytokine signaling 2	1.15
TC01005824.hg.1	17.02	16.82	0.0017	0.028	S100A10	S100 calcium binding protein A10	1.15
TC08001049.hg.1	9.34	9.15	0.0044	0.047	TNFRSF10B	tumor necrosis factor receptor superfamily, member 10b	1.15

TC01004007.hg.1	11.26	11.06	0.0008	0.0186 HEATR1	HEAT repeat containing 1 leucine zipper	1.15
TC11000272.hg.1	4.61	4.41	0.0013	0.0239 LUZP2	protein 2 ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	1.15
TC17000944.hg.1	7.04	6.84	0.0024	0.0336 RAC3	choline kinase alpha	1.15
TC11002002.hg.1	7.26	7.07	0.0046	0.048 CHKA	ankyrin repeat and SOCS box containing 5 cilia and flagella associated protein 20	1.14
TC04001762.hg.1	4.36	4.17	4.63E-07	0.001 ASB5	mannosidase, alpha, class 2C, member 1	1.14
TC16001147.hg.1	9.97	9.77	0.0021	0.0315 CFAP20	general transcription factor IIIC subunit 5	1.14
TC15001665.hg.1	7.05	6.86	0.0021	0.0311 MAN2C1	ubiquitin-like modifier activating enzyme 7	1.14
TC09000766.hg.1	8.48	8.29	0.0027	0.0353 GTF3C5	uncharacterized	1.14
TC03001418.hg.1	7.35	7.16	0.0008	0.0187 UBA7	LOC101928167 RAS p21 protein activator 4B	1.14
TC18000928.hg.1	4.73	4.54	0.0021	0.0311 LOC10192816		1.14
TC07001713.hg.1	6.96	6.77	0.0023	0.0327 RASA4B		1.14

TC20000642.hg.1	5.66	5.47	1.41E-06	0.0015 FLRT3	fibronectin leucine rich transmembrane protein 3	1.14
TC15000881.hg.1	7.71	7.52	6.62E-05	0.0058 SLCO3A1	solute carrier organic anion transporter family, member 3A1	1.14
TC04001515.hg.1	5.03	4.84	0.004	0.0444 TMEM155	transmembrane protein 155	1.14
TC06003348.hg.1	5.19	5.01	0.0009	0.019 LTB	lymphotoxin beta (TNF superfamily, member 3)	1.14
TC05002434.hg.1	15.72	15.53	0.001	0.0203 MAP1B	microtubule associated protein 1B	1.14
TC07001194.hg.1	6.99	6.81	0.0002	0.0094 IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3	1.13
TC20000489.hg.1	11.18	11	0.0044	0.0472 RPS21	ribosomal protein S21	1.13
TC02004178.hg.1	7.29	7.12	0.0017	0.0279 SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	1.13
TC01001841.hg.1	10	9.82	0.0043	0.0459 FBXO28	F-box protein 28	1.13
TC04000275.hg.1	5.12	4.94	0.0007	0.0172 NIPAL1	NIPA-like domain containing 1	1.13

TC0X001530.hg.1	13.66	13.49	0.0006	0.0159 FLNA	filamin A, alpha uncharacterized	1.13
TC16000080.hg.1	6.34	6.17	0.0042	0.0453 FLJ42627	LOC645644	1.13
TC0X002267.hg.1	10.65	10.48	0.0023	0.0326 IDS	iduronate 2- sulfatase	1.13
TC08000415.hg.1	6.81	6.64	2.33E-06	0.0017 KRT8	keratin 8	1.12
					tumor suppressing subtransferable candidate 2	
TC11000077.hg.1	7.31	7.15	0.0004	0.0133 TSSC2	pseudogene	1.12
TC03003333.hg.1	8.16	8	0.0033	0.0399 ETV5	ets variant 5	1.12
					UDP-N- acetylglucosamin e pyrophosphoryla se 1	
TC01001422.hg.1	12.47	12.31	0.0016	0.0269 UAP1	long intergenic non-protein coding RNA 189	1.12
TC21000096.hg.1	5.43	5.27	2.35E-05	0.004 LINC00189	RNA binding	1.12
TC09002778.hg.1	10.12	9.96	0.0032	0.0387 RBM18	motif protein 18	1.12
TC10001134.hg.1	4.56	4.4	9.20E-05	0.0065 ARMC4	armadillo repeat containing 4 lymphotoxin beta receptor (TNFR superfamily, member 3)	1.12
TC12000078.hg.1	8.38	8.22	0.0025	0.0343 LTBR	centrosomal protein 170kDa	1.12
TC04000603.hg.1	7.06	6.9	0.0034	0.0405 CEP170		1.12

TC08000167.hg.1	9.68	9.52	0.0002	0.009 BMP1	bone morphogenetic protein 1	1.12
TC05000226.hg.1	6.32	6.16	0.0047	0.049 SNX18	sorting nexin 18 solute carrier family 6 (neurotransmitter transporter), member 8	1.11
TC16000400.hg.1	7.5	7.34	0.0002	0.0079 SLC6A10PB	pseudogene ATPase, aminophospholipid transporter, class I, type 8B, member 1	1.11
TC18000538.hg.1	12.18	12.02	0.0008	0.018 ATP8B1	ribosomal protein L19	1.11
TC08000083.hg.1	7.32	7.17	0.0033	0.0396 RPL19P13	pseudogene 13	1.11
TC09000741.hg.1	12.29	12.13	0.0036	0.0418 ABL1	ABL proto-oncogene 1, non-receptor tyrosine kinase	1.11
TC10002711.hg.1	7.22	7.07	0.0031	0.0382 CAMK2G	calcium/calmodulin-dependent protein kinase II gamma	1.11
TC20000566.hg.1	7.46	7.31	0.0018	0.0284 PCED1A	PC-esterase domain containing 1A	1.11
TC0X000476.hg.1	5.65	5.5	0.0003	0.0113 DRP2	dystrophin related protein 2	1.11

					protein phosphatase 1, regulatory (inhibitor) subunit 11	
TC01000268.hg.1	8.56	8.41	3.30E-05	0.0045	PPP1R11P1 pseudogene 1	1.11
					casein kinase 1, alpha 1	
TC15001209.hg.1	5.97	5.82	0.0003	0.011	CSNK1A1P1 pseudogene 1	1.11
					abhydrolase domain	
TC15000844.hg.1	10.67	10.53	0.0003	0.0108	ABHD2 containing 2	1.11
					nephroblastoma overexpressed	
TC08000697.hg.1	6.31	6.17	0.0019	0.0297	NOV dedicator of	1.1
					cytokinesis 10	
TC02002827.hg.1	12.77	12.63	9.41E-05	0.0066	DOCK10 ARP3 actin-related protein 3	1.1
					homolog B (yeast); ARP3	
					actin-related protein 3	
					homolog C	
TC07001031.hg.1	7.01	6.87	0.0008	0.0181	ACTR3B; ACTF (yeast)	1.1
					testis expressed	
TC13000401.hg.1	5.52	5.37	0.0025	0.0345	TEX29 29	1.1
					chemokine (C-X-C motif) ligand	
TC05001804.hg.1	5.33	5.19	0.0033	0.0398	CXCL14 14	1.1
					putative homeodomain	
TC07000498.hg.1	9.31	9.17	0.0045	0.0476	PHTF2 transcription factor 2	1.1

TC03000865.hg.1	6.8	6.66	0.0011	0.0217 MLF1	myeloid leukemia factor 1	1.1
TC11003492.hg.1	6	5.87	0.0044	0.0468 STARD10	StAR-related lipid transfer domain containing 10 WD repeat domain, phosphoinositide	1.1
TC17001822.hg.1	12.58	12.45	0.0004	0.0133 WIPI1	interacting 1 formyl peptide	1.1
TC19001787.hg.1	5.18	5.05	0.0016	0.0268 FPR1	receptor 1	1.09
TC16001169.hg.1	7.35	7.22	0.0025	0.0343 TK2	thymidine kinase 2, mitochondrial	1.09
TC12001619.hg.1	9.99	9.86	0.0007	0.0166 NEMP1	nuclear envelope integral membrane protein 1	1.09
TC12000810.hg.1	10.09	9.96	0.0042	0.0459 TXNRD1	thioredoxin reductase 1	1.09
TC07003374.hg.1	5.81	5.69	5.07E-05	0.0053 RASA4; RASA4	RAS p21 protein activator 4; RAS p21 protein activator 4B	1.09
TC0X000358.hg.1	5.08	4.96	0.0007	0.0177 AR	androgen receptor	1.09
TC05000212.hg.1	4.76	4.64	0.0002	0.0093 ISL1	ISL LIM homeobox 1	1.09
TC11003330.hg.1	4.43	4.3	0.0026	0.0347 EXPH5	exophilin 5	1.09

TC05000336.hg.1	13.8	13.68	0.0028	0.0363	MAP1B	microtubule associated protein 1B	1.09
TC09001490.hg.1	7.48	7.36	0.0046	0.0482	SUSD1	sushi domain containing 1	1.09
TC0X000754.hg.1	8.18	8.06	0.0005	0.0149	SLC6A8	solute carrier family 6 (neurotransmitter transporter), member 8	1.09
TC11000956.hg.1	5.52	5.4	0.0003	0.0101	BIRC3	baculoviral IAP repeat containing 3	1.09
TC14001432.hg.1	8.07	7.95	0.0018	0.0282	TTC7B	tetratricopeptide repeat domain 7B	1.09
TC11002092.hg.1	8.9	8.78	0.0002	0.008	ARRB1	arrestin, beta 1	1.09
TC06001010.hg.1	5.38	5.26	0.0007	0.0172	MYB	v-myb avian myeloblastosis viral oncogene homolog	1.09
TC14000148.hg.1	8.76	8.64	0.0005	0.0149	NGDN	neuroguidin, EIF4E binding protein	1.09
TC19000649.hg.1	10.76	10.64	0.0043	0.0465	VASP	vasodilator-stimulated phosphoprotein	1.08
TC03003346.hg.1	5.23	5.12	0.0007	0.0173	KRBOX1	KRAB box domain containing 1	1.08

					StAR-related lipid transfer domain	
TC15001730.hg.1	6.05	5.94	0.0015	0.0257 STARD5	containing 5	1.08
TC02004790.hg.1	6.58	6.47	0.0036	0.0418 NRP2	neuropilin 2	1.08
					frizzled class	
TC08000645.hg.1	9.6	9.49	0.0002	0.0084 FZD6	receptor 6	1.08
					ras homolog	
TC02000284.hg.1	10.58	10.46	0.0002	0.0087 RHOQ	family member Q	1.08
					striatin	
TC07000798.hg.1	6.52	6.41	0.004	0.0446 STRIP2	interacting protein 2	1.08
					uncharacterized	
TC08002330.hg.1	4.41	4.3	0.0001	0.0069 LOC10537583	LOC105375839	1.08
					basic	
TC05000352.hg.1	11.05	10.94	0.0009	0.019 BTF3	transcription factor 3	1.08
					l(3)mbt-like 3	
TC06000978.hg.1	7.55	7.44	0.003	0.0372 L3MBTL3	(Drosophila)	1.08
					protein kinase C,	
TC03000914.hg.1	10.54	10.43	0.0041	0.0447 PRKCI	iota	1.08
					zinc finger	
TC0X000442.hg.1	4.91	4.8	0.0012	0.0225 ZNF711	protein 711	1.08
TC01000024.hg.1	6.69	6.58	0.003	0.0377 AGRN	agrin	1.08
					paired related	
TC01001484.hg.1	11.57	11.46	0.0002	0.0079 PRRX1	homeobox 1	1.08
					chromosome 15	
					open reading	
TC15001635.hg.1	5.51	5.41	0.0023	0.0329 C15orf59	frame 59	1.08
					SOCS2 antisense	
TC12001817.hg.1	4.69	4.58	1.99E-05	0.0038 SOCS2-AS1	RNA 1	1.07

TC04000014.hg.1	6.63	6.53	0.0017	0.028	TMEM175	transmembrane protein 175	1.07
TC12003010.hg.1	4.78	4.67	3.37E-06	0.0019	SOCS2-AS1	SOCS2 antisense RNA 1	1.07
TC09002468.hg.1	16.75	16.65	0.0032	0.039	VCP	valosin containing protein	1.07
TC11000872.hg.1	4.91	4.81	0.0032	0.0392	CCDC81	coiled-coil domain containing 81	1.07
TC12001361.hg.1	8.48	8.38	0.0003	0.011	FAM60A	family with sequence similarity 60, member A	1.07
TC16001110.hg.1	4.67	4.58	3.81E-05	0.0048	SALL1	spalt-like transcription factor 1	1.07
TC04001600.hg.1	6.19	6.09	6.15E-05	0.0058	INPP4B	inositol polyphosphate-4-phosphatase type II B	1.07
TC02001798.hg.1	11.05	10.95	7.60E-05	0.0061	PREPL	prolyl endopeptidase-like	1.07
TC0X000885.hg.1	7.64	7.55	0.0018	0.0286	CTPS2	CTP synthase 2	1.07
TC10002499.hg.1	4.62	4.53	0.0047	0.0488	CASC10	cancer susceptibility candidate 10	1.07
TC06004084.hg.1	8.38	8.28	0.0012	0.0232	NFYA	nuclear transcription factor Y subunit alpha	1.07
TC07000584.hg.1	7.12	7.03	0.0033	0.0399	BRI3	brain protein I3	1.06

TC14001348.hg.1	11.25	11.16	0.0018	0.0286 SPTLC2	serine palmitoyltransfer ase, long chain base subunit 2	1.06
TC11000214.hg.1	3.95	3.86	0.0002	0.008 PDE3B	phosphodiesterase 3B, cGMP-inhibited	1.06
TC08000109.hg.1	4.53	4.44	0.0016	0.0264 KIAA1456	KIAA1456 dickkopf WNT signaling pathway inhibitor 1	1.06
TC10000350.hg.1	10.88	10.79	0.0022	0.0324 DKK1	LIM and SH3 protein 1	1.06
TC17000469.hg.1	12.87	12.78	0.0004	0.0131 LASP1	uncharacterized	1.06
TC12002623.hg.1	5.97	5.88	0.001	0.0202 LOC10050669	LOC100506691 platelet-derived growth factor receptor, beta	1.06
TC05003303.hg.1	11.02	10.94	0.0024	0.0337 PDGFRB	polypeptide ubiquitin specific	1.06
TC11002307.hg.1	8.83	8.75	0.0044	0.0472 USP28	peptidase 28 mex-3 RNA binding family	1.06
TC01003331.hg.1	5.78	5.69	0.0003	0.0116 MEX3A	member A	1.06
TC05001259.hg.1	7.78	7.7	0.0005	0.0149 RAD1	RAD1 checkpoint DNA exonuclease transcription elongation factor	1.05
TC20001363.hg.1	7.7	7.62	0.0001	0.007 TCEA2	A (SII), 2	1.05

TC0X000601.hg.1	7.12	7.05	1.42E-05	0.0033	GRIA3	glutamate receptor, ionotropic, AMPA 3	1.05
TC07002920.hg.1	5.45	5.38	0.0004	0.0133	RASA4CP	RAS p21 protein activator 4C, pseudogene chromosome 5	1.05
TC05000499.hg.1	8.33	8.26	0.0028	0.0361	C5orf30	open reading frame 30	1.05
TC17002858.hg.1	4.82	4.76	0.003	0.0378	HOXB-AS3	HOXB cluster antisense RNA 3	1.05
TC15002484.hg.1	5.64	5.58	5.31E-05	0.0053	CSNK1A1P1	casein kinase 1, alpha 1	1.05
TC17001296.hg.1	5.03	4.97	0.0003	0.0116	VTN; SEBOX	pseudogene 1 vitronectin; SEBOX	1.05
TC11003449.hg.1	13.07	13.01	0.0006	0.0166	TMX2	homeobox thioredoxin-related transmembrane protein 2	1.04
TC10000811.hg.1	4.43	4.38	0.0006	0.0155	ADRA2A	adrenoceptor alpha 2A	1.04
TC15002172.hg.1	5.45	5.39	0.002	0.0306	STARD9	StAR-related lipid transfer domain containing 9	1.04
TC05000148.hg.1	12.64	12.58	0.0036	0.0418	TARS	threonyl-tRNA synthetase	1.04
TC19000717.hg.1	16.57	16.51	0.0023	0.0326	FTL	ferritin, light polypeptide	1.04

TC08000471.hg.1	6.96	6.91	0.0029	0.037	MSC-AS1	MSC antisense RNA 1	1.04
TC01002586.hg.1	7.93	7.88	0.0014	0.0243	HYI	hydroxypyruvate isomerase (putative)	1.04
TC12001904.hg.1	10.77	10.72	0.0034	0.04	GLT8D2	glycosyltransfera se 8 domain containing 2	1.04
TC14000372.hg.1	7.8	7.75	0.0037	0.042	FLJ22447	uncharacterized LOC400221	1.04
TC06002217.hg.1	8.6	8.55	0.0018	0.0288	LRP11	LDL receptor related protein 11	1.04
TC03000715.hg.1	11.91	11.86	0.0025	0.0341	DNAJC13	DnaJ (Hsp40) homolog, subfamily C, member 13	1.04
TC07000785.hg.1	11.07	11.02	0.0003	0.0117	FLNC	filamin C, gamma keratin	1.03
TC21000383.hg.1	4.28	4.23	0.0017	0.0273	KRTAP21-2	associated protein 21-2	1.03
TC01002616.hg.1	6.47	6.42	0.0026	0.0347	PIK3R3	phosphoinositide- 3-kinase, regulatory subunit 3	1.03
TC02001713.hg.1	4.8	4.76	0.0025	0.0341	GALNT14	(gamma) polypeptide N- acetylgalactosam inyltransferase	1.03
TC08000089.hg.1	4.9	4.85	0.0001	0.0068	GATA4	14 GATA binding protein 4	1.03

					ER degradation enhancer, mannosidase	
TC20001553.hg.1	9.81	9.77	0.0006	0.0162 EDEM2	alpha-like 2	1.03
TC15000842.hg.1	4.75	4.71	1.64E-10	1.11E-05 ACAN	aggrecan	1.03
TC14000324.hg.1	7.63	7.59	0.0036	0.0414 FBXO34	F-box protein 34	1.03
					LYN proto-oncogene, Src family tyrosine kinase	
TC08000383.hg.1	6.18	6.14	0.0003	0.0104 LYN	kinase	1.03
TC15002471.hg.1	5.61	5.57	8.41E-05	0.0063 FMN1	formin 1	1.03
					KN motif and ankyrin repeat domains 1	
TC09000005.hg.1	5.97	5.93	0.0033	0.0398 KANK1	torsin family 4, member A	1.03
TC09000847.hg.1	5.54	5.5	0.0025	0.0341 TOR4A	thymosin beta	1.02
TC0X001230.hg.1	5.18	5.14	0.0018	0.0287 TMSB15A	15a	1.02
					ALG1, chitobiosyldiphosphodolichol beta-mannosyltransferase; NAGPA	
TC16000139.hg.1	9.27	9.24	0.0023	0.0331 ALG1; NAGPA	antisense RNA 1	1.02
					3-hydroxy-3-methylglutaryl-CoA reductase	
TC05002454.hg.1	13.11	13.07	0.0001	0.0068 HMGCR	golgin A5	1.02
TC14000572.hg.1	11.59	11.56	0.0019	0.0294 GOLGA5	elongation factor, RNA polymerase II, 2	1.02
TC05001610.hg.1	11.6	11.58	0.002	0.03 ELL2	syntaxin 3	1.02
TC11000499.hg.1	6.84	6.82	0.0039	0.0434 STX3		1.02

TC12000036.hg.1	7.95	7.92	0.0012	0.0232 TSPAN9	tetraspanin 9 microtubule associated protein 2	1.02
TC02001238.hg.1	4.39	4.37	0.002	0.0306 MAP2	ferritin, light polypeptide	1.02
TC20000047.hg.1	16.85	16.83	0.0004	0.0137 FTLP3	pseudogene 3	1.02
TC11000942.hg.1	4.37	4.35	0.0041	0.0451 CNTN5	contactin 5 thiosulfate sulfurtransferase (rhodanese)-like domain	1.02
TC06000830.hg.1	6.89	6.87	0.0043	0.0459 TSTD3	containing 3 BTG family, member 3	1.01
TC21000299.hg.1	8.56	8.54	0.0021	0.0313 BTG3	WAS protein family homolog 1; WAS protein family homolog 2 pseudogene; WAS protein family homolog 4	1.01
TC16000719.hg.1	7.16	7.14	0.003	0.0378 WASH1; WAS	pseudogene protein tyrosine phosphatase, receptor type, J uncharacterized	1.01
TC11000412.hg.1	8.41	8.4	0.0006	0.0159 PTPRJ	LOC100506393	1.01
TC12000226.hg.1	4.48	4.46	0.0036	0.0418 LOC10050639	neuritin 1	1.01
TC06001245.hg.1	6.46	6.45	0.001	0.0205 NRN1	katanin p60	1.01
TC13000530.hg.1	9.1	9.1	0.0015	0.0258 KATNAL1	subunit A-like 1	1.01

TC19000570.hg.1	4.96	4.96	0.0046	0.048 CYP2B7P	cytochrome P450, family 2, subfamily B, polypeptide 7, pseudogene	1.01
TC05000929.hg.1	5.74	5.73	0.0049	0.0498 DOCK2	dedicator of cytokinesis 2	1
TC03000978.hg.1	6	6	0.0013	0.0237 B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	1
TC09002908.hg.1	5.84	5.84	0.0009	0.02 PHYHD1	phytanoyl-CoA dioxygenase domain	1
TC20001756.hg.1	5.2	5.2	0.0012	0.0231 ANKEF1	containing 1 ankyrin repeat and EF-hand domain	-1
TC11001358.hg.1	7.5	7.5	0.0007	0.0169 ARFIP2	containing 1	-1
TC07001223.hg.1	7.96	7.97	0.0021	0.0316 HOXA7	ADP-ribosylation factor interacting protein 2	-1
TC10000343.hg.1	5.83	5.84	0.0026	0.0347 SGMS1-AS1	homeobox A7	-1.01
TC03001773.hg.1	6.95	6.97	0.0002	0.0093 TMCC1	SGMS1 antisense RNA 1	-1.01
TC09000607.hg.1	7.36	7.37	0.0023	0.0327 CNTRL	transmembrane and coiled-coil domain family 1	-1.01
TC01000703.hg.1	5.74	5.76	0.0002	0.0089 INADL	centriolin	-1.01
					InaD-like (Drosophila)	-1.01

					phosphatidylinosi tol-3,4,5- trisphosphate- dependent Rac exchange factor	
TC08000452.hg.1	4.42	4.43	0.0004	0.0125 PREX2	2	-1.01
TC01002849.hg.1	4.3	4.33	0.0033	0.0398 GBP4	guanylate binding protein 4 phospholipid phosphatase	-1.01
TC19000195.hg.1	9.13	9.16	0.0015	0.0253 PLPPR2	related 2 coiled-coil domain	-1.02
TC04000564.hg.1	9.08	9.11	0.0029	0.0366 CCDC109B	containing 109B	-1.02
TC03001812.hg.1	10.87	10.89	0.0006	0.0153 STAG1	stromal antigen 1 synaptotagmin	-1.02
TC01001753.hg.1	4.53	4.56	0.0005	0.0149 SYT14	XIV DNA damage inducible	-1.02
TC10000449.hg.1	8.74	8.77	0.0002	0.0084 DDIT4	transcript 4	-1.02
TC02002549.hg.1	10.11	10.14	0.0013	0.0241 KIAA1715	KIAA1715 STAM binding	-1.02
TC10002941.hg.1	6.77	6.8	0.0005	0.0141 STAMBPL1	protein-like 1	-1.02
TC07000277.hg.1	6.84	6.87	0.0024	0.0332 ZMIZ2	zinc finger, MIZ- type containing 2 uncharacterized	-1.02
TC19000501.hg.1	6.33	6.35	0.0027	0.0358 LOC728752	LOC728752 RAP1 GTPase activating protein	-1.02
TC17000026.hg.1	5.41	5.43	0.0031	0.0385 RAP1GAP2	2	-1.02

TC07000704.hg.1	5.32	5.35	4.35E-05	0.0049 LRRN3	leucine rich repeat neuronal 3	-1.02
TC07002489.hg.1	7.81	7.84	0.004	0.0444 STAG3L5P-PV	STAG3L5P-PVRIG2P-PILRB readthrough	-1.02
TC02000366.hg.1	5.61	5.64	0.004	0.0444 LGALSL	lectin, galactoside-binding-like	-1.02
TC22000914.hg.1	9.34	9.37	0.0015	0.0258 LMF2	lipase maturation factor 2	-1.02
TC19001544.hg.1	5.89	5.92	0.004	0.0445 ADCK4	aarF domain containing kinase 4	-1.02
TC19000431.hg.1	7.19	7.22	0.0006	0.0154 FAAP24	Fanconi anemia core complex associated protein 24	-1.02
TC17001899.hg.1	5.99	6.02	0.0013	0.0238 RHBDF2	rhomboid 5 homolog 2 (Drosophila)	-1.02
TC11002293.hg.1	4.78	4.81	8.58E-06	0.0027 IL18	interleukin 18	-1.02
TC02002043.hg.1	8.78	8.82	0.0039	0.0434 GGCX	gamma-glutamyl carboxylase	-1.02
TC09000690.hg.1	9.31	9.35	0.0026	0.0349 CERCAM	cerebral endothelial cell adhesion molecule	-1.03
TC12001614.hg.1	8.71	8.75	0.0003	0.0116 PRIM1	primase, DNA, polypeptide 1 (49kDa)	-1.03

TC06003227.hg.1	8.73	8.77	0.0014	0.0247 ERMARD	ER membrane-associated RNA degradation	-1.03
TC02000621.hg.1	5.73	5.77	0.0005	0.0141 IL1RL2	interleukin 1 receptor-like 2 family with sequence similarity 66,	-1.03
TC08002594.hg.1	6.03	6.07	0.0015	0.0254 FAM66D	member D ribosomal	-1.03
TC04000558.hg.1	7.79	7.84	0.0043	0.0461 RPL34	protein L34 uncharacterized	-1.03
TC01000502.hg.1	6.11	6.15	0.0019	0.0297 LOC10537866	LOC105378668 ER membrane protein complex	-1.03
TC03003327.hg.1	11.2	11.24	0.0003	0.0105 EMC3	subunit 3 fatty acid binding protein 4,	-1.03
TC08001365.hg.1	3.78	3.82	0.0003	0.0115 FABP4	adipocyte chromosome 16	-1.03
TC16000240.hg.1	6.95	6.99	0.0011	0.0218 C16orf52	open reading frame 52	-1.03
TC05003369.hg.1	8.15	8.2	0.0021	0.0315 LOC202181	SUMO-interacting motifs containing 1 pseudogene	-1.03
TC10002155.hg.1	5.07	5.11	0.0031	0.0386 LINC00856	long intergenic non-protein coding RNA 856	-1.03

TC22000620.hg.1	6.69	6.74	0.0013	0.0235 MN1	meningioma (disrupted in balanced translocation) 1 iroquois	-1.03
TC16001124.hg.1	9.37	9.42	0.0047	0.0486 IRX3	homeobox 3	-1.04
TC01002468.hg.1	6.89	6.94	0.0039	0.0435 MARCKSL1	MARCKS-like 1 A kinase (PRKA)	-1.04
TC14000208.hg.1	4.26	4.31	0.0044	0.0472 AKAP6	anchor protein 6	-1.04
TC05001488.hg.1	4.99	5.04	0.0027	0.0357 LINC01336	long intergenic non-protein coding RNA 1336	-1.04
TC09002064.hg.1	5.67	5.72	0.0044	0.0468 CTSLP8	cathepsin L pseudogene 8	-1.04
TC12001545.hg.1	7.32	7.38	0.0005	0.0143 RARG	retinoic acid receptor, gamma RNA binding protein with	-1.04
TC08001864.hg.1	10.43	10.48	0.0001	0.0077 RBPMS	multiple splicing thymosin beta	-1.04
TC0X000505.hg.1	5.41	5.47	0.0035	0.0413 TMSB15B	15B related RAS viral (r-ras) oncogene	-1.04
TC19001721.hg.1	12.71	12.77	0.0007	0.017 RRAS	homolog zinc finger protein 595; zinc finger protein	-1.04
TC04002963.hg.1	7.89	7.95	0.0033	0.0398 ZNF595; ZNF7718	uncharacterized	-1.04
TC08000421.hg.1	3.91	3.97	0.0035	0.0409 UG0898H09	LOC643763	-1.04

TC13000845.hg.1	6.47	6.54	0.0034	0.0405 NALCN	sodium leak channel, non selective	-1.04
TC19002140.hg.1	4.47	4.53	0.0018	0.0287 CYP2B7P	cytochrome P450, family 2, subfamily B, polypeptide 7, pseudogene	-1.04
TC16001479.hg.1	7.39	7.45	0.0006	0.0158 SLX1A-SULT1A3	SLX1A-SULT1A3 readthrough (NMD candidate)	-1.04
TC08000793.hg.1	4.98	5.05	3.83E-05	0.0048 DENND3	DENN/MADD domain containing 3	-1.05
TC02002841.hg.1	4.4	4.46	0.0035	0.0413 SPHKAP	SPHK1 interactor, AKAP domain containing	-1.05
TC10000464.hg.1	6.15	6.22	0.0013	0.0235 PPP3CB-AS1	PPP3CB antisense RNA 1 (head to head)	-1.05
TC19001097.hg.1	6.43	6.5	0.0036	0.0415 SLC25A23	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	-1.05
TC17000783.hg.1	12.24	12.31	0.0043	0.0461 PRKCA	protein kinase C, alpha	-1.05

TC08001783.hg.1	5.72	5.79	0.0016	0.0272 FAM66E	family with sequence similarity 66, member E cytochrome P450, family 7, subfamily B, polypeptide 1	-1.05
TC08001275.hg.1	5.08	5.16	0.0003	0.0104 CYP7B1		-1.05
TC16001947.hg.1	4.08	4.16	0.0014	0.0246 HYDIN	HYDIN, axonemal central pair apparatus protein	-1.05
TC02002811.hg.1	4.25	4.33	0.001	0.0207 PAX3	paired box 3 filamin A interacting protein 1-like	-1.05
TC03001608.hg.1	5.2	5.28	0.0012	0.0229 FILIP1L	tuftelin 1	-1.06
TC01001212.hg.1	6.92	7	0.0001	0.0078 TUFT1		-1.06
TC0X000657.hg.1	10.53	10.62	0.0021	0.0316 SLC9A6	solute carrier family 9, subfamily A (NHE6, cation proton antiporter 6), member 6 DNA replication and sister chromatid cohesion 1 long intergenic non-protein coding RNA 341	-1.06
TC08001560.hg.1	7.28	7.36	0.0016	0.0265 DSCC1		-1.06
TC14002140.hg.1	7.01	7.09	0.0046	0.0482 LINC00341		-1.06

TC05003324.hg.1	9.63	9.71	3.82E-06	0.002	EBF1	early B-cell factor 1	-1.06
TC11000522.hg.1	5.35	5.44	0.0003	0.0104	TMEM132A	transmembrane protein 132A	-1.06
TC0X002307.hg.1	4.79	4.88	0.0002	0.0097	L1CAM	L1 cell adhesion molecule	-1.06
TC08001557.hg.1	5.54	5.63	0.0006	0.0153	ENPP2	ectonucleotide pyrophosphatase /phosphodiesterase 2	-1.07
TC03000814.hg.1	10.69	10.78	0.0039	0.0437	TSC22D2	TSC22 domain family, member 2	-1.07
TC11000088.hg.1	7.79	7.88	0.0035	0.0407	STIM1; MIR46	stromal interaction molecule 1; microRNA 4687	-1.07
TC13000760.hg.1	5.07	5.16	0.0031	0.0383	NDFIP2-AS1	NDFIP2 antisense RNA 1	-1.07
TC15002247.hg.1	4.84	4.94	1.62E-05	0.0035	SMAD6	SMAD family member 6	-1.07
TC11002221.hg.1	4.39	4.49	0.0003	0.0115	TRPC6	transient receptor potential cation channel, subfamily C, member 6	-1.07
TC02000929.hg.1	4.72	4.82	0.0032	0.0393	LYPD6	LY6/PLAUR domain containing 6	-1.07
TC03000114.hg.1	6.27	6.38	0.0037	0.0419	SGOL1-AS1	SGOL1 antisense RNA 1	-1.08

TC01001182.hg.1	7.71	7.82	0.0013	0.0235 C1orf54	chromosome 1 open reading frame 54	-1.08
TC16001446.hg.1	6.65	6.76	0.0005	0.0148 C16orf52	chromosome 16 open reading frame 52	-1.08
TC10001299.hg.1	4.13	4.25	0.0039	0.0433 LINC01468	long intergenic non-protein coding RNA 1468	-1.08
TC02004972.hg.1	8.01	8.13	0.0008	0.0181 WBP1	WW domain binding protein 1	-1.08
TC01001276.hg.1	4.67	4.79	0.0005	0.0152 IL6R	interleukin 6 receptor	-1.08
TC17000702.hg.1	9.35	9.47	0.0043	0.0463 SCPEP1	serine carboxypeptidas e 1	-1.08
TC10000341.hg.1	10.79	10.91	0.0023	0.0327 FAM21A; FAM	family with sequence similarity 21, member A; family with sequence similarity 21, member C	-1.09
TC13000899.hg.1	9.98	10.1	0.003	0.0376 GAS6	growth arrest- specific 6	-1.09
TC14000955.hg.1	6.78	6.9	0.0003	0.0109 SLC22A17	solute carrier family 22, member 17	-1.09
TC12002463.hg.1	5.14	5.26	0.0042	0.0453 LOC10192820	LOC101928207 uncharacterized	-1.09

TC05001638.hg.1	5.08	5.2	0.0013	0.0243 ST8SIA4	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4	-1.09
TC09001720.hg.1	7.82	7.95	0.001	0.0207 CAMSAP1	calmodulin regulated spectrin-associated protein 1	-1.09
TC06001035.hg.1	7.99	8.11	0.0027	0.0352 HECA	hdc homolog, cell cycle regulator coiled-coil domain	-1.09
TC05001437.hg.1	6.96	7.09	0.0033	0.0399 CCDC125	containing 125	-1.09
TC09000400.hg.1	12.07	12.2	0.0002	0.0087 CTSL	cathepsin L placenta specific	-1.09
TC04001344.hg.1	4.6	4.73	0.0005	0.0152 PLAC8	8	-1.09
TC02001310.hg.1	7.97	8.09	0.0016	0.0264 TTLL4	tubulin tyrosine ligase-like family member 4	-1.09
TC05001912.hg.1	4.34	4.47	0.0006	0.0159 C5orf46	chromosome 5 open reading frame 46	-1.09
TC04000836.hg.1	6.87	7	7.10E-05	0.006 ANXA10	annexin A10	-1.09
TC11001185.hg.1	7.68	7.81	0.0013	0.0234 FLI1	Fli-1 proto-oncogene, ETS transcription factor	-1.09

TC05000497.hg.1	10.42	10.55	0.0006	0.0154 PAM	peptidylglycine alpha-amidating monooxygenase phospholipid phosphatase	-1.09
TC01000891.hg.1	4.28	4.42	5.58E-07	0.0011 PLPPR4	related 4 tet	-1.1
TC10000406.hg.1	7.01	7.14	0.0009	0.0194 TET1	methylcytosine dioxygenase 1 calcium channel, voltage- dependent, L type, alpha 1C subunit	-1.1
TC12002177.hg.1	7.71	7.85	0.0001	0.0075 CACNA1C		-1.1
TC11001416.hg.1	5.44	5.58	0.0004	0.0122 MRVI1	murine retrovirus integration site 1 homolog tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain	-1.1
TC08001051.hg.1	10.38	10.52	0.0005	0.0148 TNFRSF10D		-1.1
TC02003706.hg.1	10.06	10.2	0.0031	0.0385 MTX2	metaxin 2	-1.1
TC11000539.hg.1	5.04	5.18	0.0001	0.0075 MYRF	myelin regulatory factor cholinergic receptor,	-1.1
TC17002862.hg.1	5.22	5.37	0.0049	0.0498 CHRNB1	nicotinic beta 1	-1.11

TC03003002.hg.1	14.97	15.12	0.0005	0.0144 DCBLD2	discoidin, CUB and LCCL domain containing 2 cerebral endothelial cell adhesion molecule family with sequence similarity 225, member A (non-protein coding) GH3 domain	-1.11
TC09002280.hg.1	10.53	10.68	0.0033	0.0399 CERCAM	containing mitochondrial ribosomal protein L21 uncharacterized	-1.11
TC09000570.hg.1	5.83	5.98	0.0005	0.0148 FAM225A	LOC339862	-1.11
TC17001528.hg.1	6.09	6.24	0.0034	0.0406 GHDC	signal peptide peptidase like 2A SMAD family member 6 caspase recruitment domain family, member 6	-1.11
TC11003226.hg.1	8.83	8.98	0.0006	0.0165 MRPL21	chromosome 7 open reading frame 69	-1.11
TC03000106.hg.1	4.56	4.71	0.0028	0.0361 LOC339862		-1.11
TC15001358.hg.1	11.7	11.86	0.0017	0.0279 SPPL2A		-1.11
TC15000616.hg.1	5.15	5.31	1.87E-06	0.0016 SMAD6		-1.11
TC05000186.hg.1	7.66	7.81	0.0017	0.0275 CARD6		-1.11
TC07000305.hg.1	4.57	4.73	0.0001	0.0079 C7orf69		-1.12

TC07000165.hg.1	6.33	6.49	0.0013	0.0239 HOTAIRM1	HOXA transcript antisense RNA, myeloid-specific 1	-1.12
TC03000853.hg.1	7.72	7.88	0.0006	0.0163 TIPARP	TCDD-inducible poly(ADP-ribose) polymerase	-1.12
TC05000026.hg.1	5.66	5.82	0.0024	0.0338 C5orf38	chromosome 5 open reading frame 38	-1.12
TC17000459.hg.1	10.87	11.03	0.0027	0.0356 MRPL45	mitochondrial ribosomal protein L45	-1.12
TC02002490.hg.1	3.88	4.05	0.0003	0.0118 SLC38A11	solute carrier family 38, member 11	-1.12
TC18000094.hg.1	9.35	9.51	0.0017	0.0277 GATA6	GATA binding protein 6	-1.12
TC12003289.hg.1	7.12	7.29	0.0015	0.0259 C12orf57; RNI1	chromosome 12 open reading frame 57; RNA, U7 small nuclear	-1.12
TC0X000338.hg.1	5.39	5.56	0.0011	0.0217 KLF8	Kruppel-like factor 8	-1.12
TC16000443.hg.1	8.13	8.3	0.0005	0.0147 CYLD	cylindromatosis (turban tumor syndrome)	-1.12
TC0X000943.hg.1	5.07	5.24	0.0025	0.0344 DMD	dystrophin	-1.12
TC14002059.hg.1	16.68	16.85	0.0004	0.013 ACTN1	actinin, alpha 1	-1.12
TC16000904.hg.1	11.9	12.07	0.0004	0.0121 XYLT1	xylosyltransferase I	-1.13

TC06000733.hg.1	5.59	5.76	0.0014	0.0243 DDX43	DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 RNA terminal phosphate	-1.13
TC09000032.hg.1	7.5	7.67	0.0003	0.0115 RCL1	cyclase-like 1	-1.13
TC01006405.hg.1	6.33	6.5	0.0048	0.0492 BX571672.1		-1.13
TC08002271.hg.1	5.57	5.74	0.0001	0.0072 DUSP4	dual specificity phosphatase 4 inositol-3-phosphate	-1.13
TC19001289.hg.1	5.51	5.68	0.0022	0.0323 ISYNA1	synthase 1 calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	-1.13
TC19001220.hg.1	5.01	5.19	0.0015	0.0254 CACNA1A	KN motif and ankyrin repeat domains 2	-1.13
TC19001178.hg.1	9.27	9.44	0.0015	0.0259 KANK2	homeobox C5	-1.13
TC12003297.hg.1	5.71	5.89	0.0003	0.0114 HOXC5	suppressor of cancer cell invasion	-1.13
TC09001585.hg.1	7.21	7.39	0.0041	0.0452 SCAI	caspase recruitment domain family, member 16	-1.13
TC11003506.hg.1	6.16	6.34	8.65E-05	0.0064 CARD16	chromosome 14 open reading frame 132	-1.14
TC14000599.hg.1	5.27	5.45	0.0023	0.0324 C14orf132	cell adhesion molecule 1	-1.14
TC11002316.hg.1	6.63	6.82	0.0007	0.0172 CADM1		-1.14

TC12001187.hg.1	5.03	5.22	0.0007	0.0177 A2M	alpha-2-macroglobulin	-1.14
TC04000427.hg.1	5.73	5.92	1.79E-05	0.0036 SHROOM3	shroom family member 3	-1.14
TC08001013.hg.1	4.4	4.6	0.0036	0.0418 MTUS1	microtubule associated tumor suppressor 1 family with sequence similarity 21, member C	-1.14
TC10000294.hg.1	10.91	11.1	0.0011	0.0221 FAM21C	neuroblastoma breakpoint family, member 3	-1.14
TC01000271.hg.1	7.68	7.87	0.0014	0.0243 NBPF3	3-hydroxyacyl-CoA dehydratase 1	-1.14
TC10001075.hg.1	7.57	7.77	0.0002	0.0092 HACD1	transient receptor potential cation channel, subfamily C, member 3	-1.14
TC04001518.hg.1	4.03	4.23	0.0008	0.0179 TRPC3	TBC1 domain family, member 22B	-1.14
TC06000542.hg.1	7.68	7.87	0.0015	0.0257 TBC1D22B	galactose-1-phosphate uridylyltransferase	-1.14
TC09002896.hg.1	6.19	6.38	0.0017	0.0275 GALT		-1.14

					TRPM8 channel-associated factor	
TC07001972.hg.1	5.58	5.78	0.0035	0.041 TCAF2	2	-1.15
TC04001131.hg.1	8.7	8.9	0.0003	0.0107 RP11-472B18.2		-1.15
					inhibitor of DNA binding 4, dominant negative helix-loop-helix protein	
TC06000126.hg.1	7.74	7.94	0.0004	0.0129 ID4	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	-1.15
TC14002328.hg.1	11.9	12.11	0.0003	0.0111 RDH11	long intergenic non-protein coding RNA 161	-1.15
TC21000092.hg.1	3.97	4.18	0.0032	0.0389 LINC00161	solute carrier family 47 (multidrug and toxin extrusion), member 1	-1.15
TC17000241.hg.1	4.72	4.93	0.0025	0.034 SLC47A1	aldo-keto reductase family 1, member C3	-1.16
TC10002925.hg.1	6.78	6.99	0.0001	0.0079 AKR1C3	cardiomyopathy associated 5	-1.16
TC05000392.hg.1	4.52	4.74	0.0033	0.0395 CMYA5	ER degradation enhancer, mannosidase	-1.16
TC20001746.hg.1	8.79	9	0.002	0.03 EDEM2	alpha-like 2 uncharacterized	-1.16
TC02003658.hg.1	3.8	4.01	0.003	0.0375 LOC10099657	LOC100996579	-1.16

TC03001612.hg.1	14.96	15.17	0.0002	0.0083 ABI3BP	ABI family, member 3 (NESH) binding protein centromere	-1.16
TC01001791.hg.1	10.49	10.7	0.0006	0.0164 CENPF	protein F	-1.16
TC14001255.hg.1	14.85	15.06	0.0003	0.0116 ACTN1	actinin, alpha 1	-1.16
TC07000095.hg.1	4.74	4.96	0.0015	0.0257 SCIN	scinderin	-1.16
TC0X000568.hg.1	13.08	13.3	4.18E-06	0.0021 PLS3	plastin 3	-1.16
TC19000259.hg.1	10.77	10.99	0.0015	0.0261 TECR; MIR639	trans-2,3-enoyl- CoA reductase; microRNA 639	-1.17
TC11000997.hg.1	8.71	8.94	0.0014	0.0243 LAYN	layilin	-1.17
TC08001368.hg.1	8.74	8.96	0.0018	0.0285 IMPA1	inositol(myo)- 1(or 4)- monophosphatas e 1	-1.17
TC02001206.hg.1	8.48	8.71	7.17E-05	0.006 NRP2	neuropilin 2 family with sequence similarity 193, member B	-1.17
TC05003368.hg.1	6.64	6.87	0.0039	0.0438 FAM193B	sterile alpha motif domain containing 12 exocyst complex component 6	-1.17
TC08001551.hg.1	4.42	4.65	2.95E-05	0.0043 SAMD12	N-myc (and STAT) interactor	-1.17
TC10000661.hg.1	6.64	6.86	0.0029	0.0369 EXOC6	microRNA 328	-1.17
TC02002425.hg.1	7.51	7.74	0.0004	0.013 NMI		-1.17
TC16001182.hg.1	4.45	4.68	0.0024	0.0332 MIR328		-1.17

TC01001201.hg.1	9.67	9.9	0.0001	0.0071 MLLT11	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 11	-1.17
TC06003557.hg.1	5.76	5.99	0.0045	0.0473 ZSCAN12	zinc finger and SCAN domain containing 12	-1.17
TC01003697.hg.1	6	6.23	3.65E-05	0.0047 LMOD1	leiomodulin 1 (smooth muscle)	-1.17
TC06002402.hg.1	9.61	9.85	0.002	0.0301 FOXC1	forkhead box C1	-1.18
TC12003237.hg.1	5.2	5.43	0.004	0.0441 APOLD1	apolipoprotein L domain containing 1	-1.18
TC14002083.hg.1	9.24	9.48	0.0013	0.0236 ENTPD5	ectonucleoside triphosphate diphosphohydrolase 5	-1.18
TC03001334.hg.1	9.15	9.39	0.0042	0.0459 ANO10	anoctamin 10	-1.18
TC17000103.hg.1	12.84	13.08	0.0008	0.0178 CD68	CD68 molecule	-1.18
TC09001374.hg.1	7.89	8.14	0.0015	0.0257 SLC35D2	solute carrier family 35 (UDP-GlcNAc/UDP-glucose transporter), member D2	-1.19
TC20000191.hg.1	9.46	9.71	0.0015	0.0259 HM13; MCTS2	histocompatibility (minor) 13; malignant T-cell amplified sequence 2, pseudogene	-1.19

					tetratricopeptide repeat domain	
TC18000104.hg.1	8.12	8.37	0.0003	0.0102 TTC39C	39C	-1.19
TC01001966.hg.1	7.16	7.41	7.38E-05	0.0061 FMN2	formin 2	-1.19
					uncharacterized	
TC05001312.hg.1	6.56	6.8	0.0038	0.0426 LOC648987	LOC648987	-1.19
					GLIS family zinc finger 3	
TC09002386.hg.1	6.83	7.08	0.0006	0.0155 GLIS3	apolipoprotein L1	-1.19
TC22000265.hg.1	7.16	7.41	0.0049	0.0498 APOL1	L1	-1.19
TC01005732.hg.1	8.8	9.06	0.0003	0.0108 CD58	CD58 molecule	-1.19
					PWWP domain containing 2A	
TC05002003.hg.1	7.66	7.91	0.0017	0.0277 PWWP2A	myosin, heavy chain 9, non-muscle	-1.19
TC22000703.hg.1	13.97	14.22	0.0002	0.0099 MYH9	cingulin-like 1	-1.2
TC15000437.hg.1	5.56	5.82	0.0017	0.0273 CGNL1	sperm specific antigen 2	-1.2
TC02001086.hg.1	9.76	10.02	1.36E-05	0.0033 SSFA2	tripartite motif containing 5	-1.2
TC11001341.hg.1	8.03	8.29	0.0007	0.017 TRIM5	keratin 18	-1.2
TC02001719.hg.1	5.68	5.94	0.0006	0.0154 KRT18P52	pseudogene 52	-1.2
					BOC cell adhesion associated, oncogene regulated	
TC03000577.hg.1	5.49	5.76	0.0008	0.018 BOC	FYVE, RhoGEF and PH domain	-1.2
TC12001829.hg.1	7.97	8.24	0.0007	0.0173 FGD6	containing 6	-1.2
TC0X002343.hg.1	10.27	10.53	0.0025	0.0342 IDS	iduronate 2-sulfatase	-1.2

TC08001575.hg.1	11.02	11.29	0.0006	0.0164 DERL1	derlin 1 pleckstrin homology domain containing, family M (with RUN domain)	-1.2
TC01000194.hg.1	9.37	9.63	0.0037	0.0424 PLEKHM2	member 2	-1.2
TC04001425.hg.1	12.51	12.78	0.0036	0.0416 PPP3CA	protein phosphatase 3, catalytic subunit, alpha isozyme	-1.2
TC03001145.hg.1	7.81	8.08	0.0012	0.023 OXTR	oxytocin receptor zinc finger	-1.2
TC0X000744.hg.1	5.28	5.54	0.0005	0.0141 ZNF185	protein 185 (LIM domain)	-1.2
TC01003029.hg.1	8.25	8.52	0.003	0.0373 CD58	CD58 molecule zinc finger	-1.2
TC15000593.hg.1	8.02	8.29	0.0035	0.0408 ZNF609	protein 609	-1.21
TC12003295.hg.1	6.18	6.45	0.0019	0.0298 HOXC4	homeobox C4 long intergenic non-protein coding RNA 862	-1.21
TC01003677.hg.1	6.75	7.02	0.0037	0.0421 LINC00862	ADAM metallopeptidase with thrombospondin	-1.21
TC05001243.hg.1	9.57	9.84	0.0003	0.0101 ADAMTS12	type 1 motif 12 uncharacterized	-1.21
TC0X001656.hg.1	4.67	4.95	0.0015	0.0253 LOC10192747	LOC101927476	-1.21

TC07002041.hg.1	5.79	6.06	0.0039	0.0433 PRKAG2	protein kinase, AMP-activated, gamma 2 non- catalytic subunit 7-	-1.21
TC11002038.hg.1	11.13	11.41	0.0028	0.0364 DHCR7	dehydrocholeste rol reductase	-1.21
TC17002845.hg.1	5.08	5.36	0.0037	0.0419 SPATA22	spermatogenesis associated 22	-1.21
TC11000345.hg.1	7.05	7.33	0.0001	0.0076 PRR5L	proline rich 5 like	-1.21
TC05000833.hg.1	7.81	8.09	3.03E-05	0.0044 SYNPO	synaptopodin	-1.21
TC0X000003.hg.1	4.87	5.15	0.0005	0.0141 SHOX	short stature homeobox	-1.21
TC0Y000003.hg.1	4.87	5.15	0.0005	0.0141 SHOX	short stature homeobox	-1.21
TC17001721.hg.1	7.17	7.45	0.0033	0.0395 CUEDC1	CUE domain containing 1	-1.22
TC01003605.hg.1	6.77	7.05	0.0002	0.0089 GLUL	glutamate- ammonia ligase	-1.22
TC17001322.hg.1	8.21	8.5	0.0025	0.0341 SSH2	slingshot protein phosphatase 2	-1.22
TC17002817.hg.1	4.82	5.11	0.0024	0.0339 NPTX1	neuronal pentraxin I	-1.22
TC06000685.hg.1	9.42	9.71	0.0017	0.0274 PRIM2	primase, DNA, polypeptide 2 (58kDa)	-1.22
TC11000155.hg.1	5.93	6.21	0.0019	0.0294 TUB	tubby bipartite transcription factor	-1.22
TC19002003.hg.1	11.96	12.24	0.0024	0.0332 TECR	trans-2,3-enoyl- CoA reductase	-1.22

TC07000942.hg.1	5.79	6.09	0.0046	0.0479 TCAF2	TRPM8 channel-associated factor 2	-1.22
TC06002020.hg.1	8	8.29	0.0027	0.0356 TRAF3IP2	TRAF3 interacting protein 2	-1.23
TC15000725.hg.1	5.89	6.18	0.0025	0.0347 DNAJA4	DnaJ (Hsp40) homolog, subfamily A, member 4	-1.23
TC02002504.hg.1	10.62	10.92	0.0005	0.0146 STK39	serine threonine kinase 39	-1.23
TC19000785.hg.1	3.87	4.16	0.0032	0.0391 MIRLET7E	microRNA let-7e	-1.23
TC07001363.hg.1	7.18	7.48	0.0007	0.0176 TNS3	tensin 3	-1.23
TC03000375.hg.1	10.59	10.89	2.94E-06	0.0018 FLNB	filamin B, beta	-1.23
TC05000363.hg.1	10.65	10.94	0.0008	0.0179 HMGCR	3-hydroxy-3-methylglutaryl-CoA reductase smooth muscle and endothelial cell enriched migration/differentiation-associated long non-coding RNA	-1.23
TC11002442.hg.1	4.36	4.66	5.20E-05	0.0053 SENCER	WAP four-disulfide core domain 1	-1.23
TC16000656.hg.1	5.06	5.36	5.53E-07	0.0011 WFDC1		-1.23
TC01004601.hg.1	5.15	5.45	8.55E-05	0.0063 KIAA1324	KIAA1324	-1.23

					UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide	
TC01003420.hg.1	7.52	7.82	0.0011	0.0216 B4GALT3	3	-1.23
TC01001480.hg.1	4.94	5.25	0.0031	0.0385 MIR3119-2	2	-1.23
TC01005382.hg.1	7.57	7.87	0.0018	0.028 PEF1	penta-EF-hand domain containing 1 HEAT repeat	-1.23
TC17001758.hg.1	9.79	10.09	0.0009	0.0193 HEATR6	containing 6	-1.23
TC08000496.hg.1	4.32	4.63	0.0043	0.0465 MIR2052	microRNA 2052	-1.24
TC15001507.hg.1	7.33	7.64	0.0048	0.0496 RORA	RAR-related orphan receptor A	-1.24
TC13000738.hg.1	7.38	7.69	0.0005	0.0151 TBC1D4	TBC1 domain family, member 4	-1.24
TC12000551.hg.1	8.31	8.62	0.0005	0.014 SLC16A7	solute carrier family 16 (monocarboxylate transporter), member 7	-1.24
TC13000843.hg.1	6.77	7.09	8.49E-05	0.0063 TMTC4	transmembrane and tetratricopeptide repeat containing 4	-1.24
TC04001132.hg.1	10.68	11	0.0006	0.0155 SMIM14	small integral membrane protein 14	-1.25

					potassium channel tetramerization domain	
TC01001793.hg.1	10.32	10.64	0.0045	0.0478 KCTD3	containing 3	-1.25
TC12000180.hg.1	3.38	3.71	3.80E-05	0.0048 MIR613	microRNA 613	-1.25
					fatty acid binding protein 3, muscle and heart	-1.25
TC01002452.hg.1	5.36	5.69	0.0012	0.023 FABP3	protein kinase (cAMP- dependent, catalytic)	-1.25
TC06000948.hg.1	4.64	4.96	0.0005	0.0142 PKIB	inhibitor beta	-1.25
TC10001411.hg.1	7.2	7.53	0.003	0.0378 USP54	ubiquitin specific peptidase 54	-1.26
					thiamin pyrophosphokina se 1	-1.26
TC07001982.hg.1	4.71	5.04	0.0032	0.039 TPK1	period circadian clock 3	-1.26
TC01000100.hg.1	7.39	7.72	0.0016	0.0269 PER3		-1.26
					cyclin-dependent kinase 19	-1.26
TC06002010.hg.1	8.45	8.78	0.0032	0.0387 CDK19	family with sequence similarity 66,	-1.26
TC08000053.hg.1	5.97	6.3	0.0006	0.0155 FAM66E	member E	-1.26

TC12001393.hg.1	7.14	7.47	0.0035	0.041	SLC2A13	solute carrier family 2 (facilitated glucose transporter), member 13	-1.26
TC09002901.hg.1	10.08	10.42	0.0035	0.0411	S1PR3	sphingosine-1-phosphate receptor 3	-1.26
TC07001507.hg.1	5.25	5.59	0.0045	0.0476	WBSCR27	Williams Beuren syndrome chromosome region 27	-1.26
TC08000326.hg.1	6.7	7.04	0.0045	0.0478	POLB	polymerase (DNA directed), beta	-1.26
TC12001307.hg.1	5.13	5.47	0.0019	0.03	SOX5	SRY box 5	-1.27
TC04000768.hg.1	4.59	4.94	0.0009	0.0191	FHDC1	FH2 domain containing 1	-1.27
TC01000859.hg.1	8.35	8.7	0.0021	0.0312	MTF2	metal response element binding transcription factor 2	-1.27
TC09001422.hg.1	4.25	4.6	0.0009	0.019	TMEM246	transmembrane protein 246	-1.27
TC10002634.hg.1	5.91	6.26	0.0002	0.0091	VSTM4	V-set and transmembrane domain containing 4	-1.27
TC04000632.hg.1	5.64	5.99	0.0035	0.0408	SPRY1	sprouty RTK signaling antagonist 1	-1.27
TC0X000563.hg.1	5.47	5.82	0.0021	0.031	MIR448	microRNA 448	-1.27

TC12001636.hg.1	5.29	5.64	0.0048	0.0495	AVIL	advillin	-1.28
TC02000468.hg.1	4.72	5.08	0.0006	0.0154	LINC01291	long intergenic non-protein coding RNA 1291	-1.28
TC6_mcf_hap5000037.hg.	6.06	6.41	0.0047	0.0488	DPCR1	diffuse panbronchiolitis critical region 1	-1.28
TC01003805.hg.1	5.6	5.95	0.0014	0.0243	TMEM206	transmembrane protein 206	-1.28
TC12000301.hg.1	8.72	9.08	0.0025	0.034	ALG10	ALG10, alpha-1,2- glucosyltransfera se	-1.28
TC11002775.hg.1	4.48	4.84	0.0004	0.0135	LINC01537	long intergenic non-protein coding RNA 1537	-1.28
TC05002544.hg.1	12.36	12.72	0.0007	0.0176	PAM	peptidylglycine alpha-amidating monooxygenase	-1.28
TC06001195.hg.1	7.96	8.32	0.0013	0.0241	ERMARD	ER membrane- associated RNA degradation	-1.28
TC12001786.hg.1	6	6.36	0.0015	0.0259	RASSF9	Ras association (RalGDS/AF-6) domain family (N- terminal)	-1.28
TC14000307.hg.1	5.34	5.7	0.0005	0.0139	GPR137C	member 9 G protein- coupled receptor 137C	-1.28

TC07003323.hg.1	8.09	8.46	0.0013	0.0239 EPDR1	ependymin related 1 SEC14-like lipid binding 1; small Cajal body- specific RNA 16; small nucleolar RNA host gene	-1.29
TC17000884.hg.1	7.98	8.34	0.0008	0.0184 SEC14L1; SCA	20 transmembrane and tetratricopeptide repeat containing	-1.29
TC12000679.hg.1	4.74	5.1	0.0004	0.0135 TMTC2	2	-1.29
TC12002520.hg.1	5.09	5.46	0.0013	0.0243 PLXNC1	plexin C1 WNK lysine deficient protein	-1.29
TC0X001073.hg.1	4.66	5.03	0.0002	0.0085 WNK3	kinase 3	-1.29
TC04001530.hg.1	9.4	9.77	0.0008	0.0188 ANKRD50	ankyrin repeat domain 50	-1.29
TC01005002.hg.1	4.5	4.87	0.0014	0.0243 SYT14	synaptotagmin XIV HECT, C2 and WW domain containing E3 ubiquitin protein	-1.3
TC07000261.hg.1	4.58	4.95	0.0005	0.0148 HECW1	ligase 1 COL4A2	-1.3
TC13000874.hg.1	5.38	5.76	0.0018	0.0284 COL4A2-AS1	antisense RNA 1 uncharacterized	-1.3
TC11001377.hg.1	4.68	5.06	0.0023	0.0326 LOC283299	LOC283299	-1.3

TC15001670.hg.1	5.81	6.19	8.57E-05	0.0063	CSPG4	chondroitin sulfate proteoglycan 4	-1.3
TC19000845.hg.1	3.94	4.32	0.0049	0.0499	MIR526A2	microRNA 526a-2	-1.3
TC03002452.hg.1	5.88	6.27	0.0007	0.0177	DUBR	DPPA2 upstream binding RNA	-1.31
TC17001633.hg.1	10.95	11.33	0.0001	0.0076	COPZ2	coatmer protein complex subunit zeta 2	-1.31
TC07000650.hg.1	7.99	8.38	0.003	0.0378	CUX1	cut-like homeobox 1	-1.31
TC0X002321.hg.1	8.18	8.57	0.0047	0.0489	TCEAL1	transcription elongation factor A (SII)-like 1	-1.31
TC06000608.hg.1	10.46	10.85	0.001	0.0207	VEGFA	vascular endothelial growth factor A	-1.31
TC08001654.hg.1	6.43	6.82	0.0012	0.0227	LRRC6	leucine rich repeat containing 6	-1.31
TC11001867.hg.1	10.72	11.12	0.004	0.0446	AHNAK	AHNAK nucleoprotein	-1.31
TC11000761.hg.1	4.69	5.08	0.0014	0.0246	LINC01537	long intergenic non-protein coding RNA 1537	-1.31
TC15001234.hg.1	5.77	6.16	0.0009	0.0199	C15orf52	chromosome 15 open reading frame 52	-1.31
TC10001552.hg.1	10.08	10.48	0.0004	0.0131	TCTN3	tectonic family member 3	-1.31

TC01001928.hg.1	5.04	5.44	0.0041	0.0449 KCNK1	potassium channel, two pore domain subfamily K, member 1	-1.31
TC04002702.hg.1	4.62	5.02	0.0009	0.019 TRPC3	transient receptor potential cation channel, subfamily C, member 3	-1.32
TC03000384.hg.1	9.99	10.39	0.0017	0.0277 PTPRG	protein tyrosine phosphatase, receptor type, G spermatogenesis associated,	-1.32
TC12000372.hg.1	9.79	10.19	0.0004	0.0131 SPATS2	serine-rich 2	-1.32
TC14002310.hg.1	6.69	7.09	0.0012	0.0231 BDKRB2	bradykinin receptor B2	-1.32
TC19001446.hg.1	5.13	5.53	0.0021	0.031 SBSN	suprabasin	-1.32
TC0X001937.hg.1	11.13	11.53	0.0006	0.0153 ATP6AP1	ATPase, H+ transporting, lysosomal accessory protein 1	-1.32
TC06001260.hg.1	4.18	4.58	0.0001	0.0076 TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)	-1.32

TC10000093.hg.1	7.12	7.53	3.38E-05	0.0046 CAMK1D	calcium/calmodulin-dependent protein kinase ID	-1.33
TC21000400.hg.1	8.28	8.69	0.0039	0.0436 SYNJ1	synaptojanin 1	-1.33
TC14000538.hg.1	8.69	9.1	0.0042	0.0458 TTC8	tetratricopeptide repeat domain 8 neural cell adhesion molecule 1	-1.33
TC11001015.hg.1	4.87	5.28	6.26E-06	0.0025 NCAM1	MIR146A host gene	-1.33
TC05002718.hg.1	4.29	4.71	0.0004	0.0131 LOC285628	sorting nexin 9	-1.34
TC06001126.hg.1	11.74	12.16	0.0004	0.0129 SNX9	neurotrophin 3	-1.34
TC12000075.hg.1	4.83	5.25	0.0002	0.0089 NTF3	keratin 34, type I	-1.34
TC17001501.hg.1	6.84	7.26	0.0012	0.0231 KRT34	EPH receptor B2	-1.34
TC01000288.hg.1	7.31	7.73	0.0016	0.0267 EPHB2	adenylate kinase 5	-1.34
TC01000785.hg.1	7.51	7.94	0.0003	0.0113 AK5	lymphocyte antigen 96	-1.34
TC08000487.hg.1	7.6	8.03	2.35E-06	0.0017 LY96	zinc finger CCCH-type containing 12B	-1.34
TC0X000351.hg.1	5.06	5.48	0.0004	0.0126 ZC3H12B	oxidation resistance 1	-1.34
TC08000660.hg.1	7.36	7.79	0.0025	0.0339 OXR1	chromosome 8 open reading frame 49	-1.35
TC08000090.hg.1	4.12	4.54	3.93E-07	0.001 C8orf49		-1.35

TC6_apd_hap1000018.hg.	4.78	5.21	0.0029	0.0369	HLA-K	major histocompatibility complex, class I, K (pseudogene)	-1.35
TC6_cox_hap2000024.hg.	4.78	5.21	0.0029	0.0369	HLA-K	major histocompatibility complex, class I, K (pseudogene)	-1.35
TC02001441.hg.1	6.46	6.89	8.08E-05	0.0063	MLPH	melanophilin	-1.35
TC02001804.hg.1	7.75	8.18	0.0005	0.0147	SIX2	SIX homeobox 2	-1.35
TC03001052.hg.1	11.56	12	0.0018	0.0288	CCDC50	coiled-coil domain containing 50	-1.35
TC14001475.hg.1	6.23	6.66	0.0045	0.0474	LINC00341	long intergenic non-protein coding RNA 341	-1.35
TC13001387.hg.1	5.66	6.09	0.0007	0.0171	FLT1	fms-related tyrosine kinase 1	-1.35
TC04002111.hg.1	3.97	4.41	0.0024	0.0339	LOC105377333	LOC105377335 uncharacterized	-1.35
TC04002917.hg.1	6.28	6.72	0.0026	0.0348	TLR6	toll-like receptor 6	-1.36
TC06000327.hg.1	4.85	5.3	0.0038	0.0429	HLA-K	major histocompatibility complex, class I, K (pseudogene)	-1.37
TC01001704.hg.1	6.54	7	0.0002	0.0081	NFASC	neurofascin	-1.37

TC01000959.hg.1	4.43	4.89	0.0006	0.0163	LINC01397	long intergenic non-protein coding RNA 1397 histone cluster 1, H3e; histone	-1.37
TC06000174.hg.1	5.7	6.16	0.0014	0.0247	HIST1H3E; HIST1H3F	histone cluster 1, H3f	-1.37
TC02004681.hg.1	5.07	5.52	0.0008	0.0188	CERS6-AS1	CERS6 antisense RNA 1	-1.37
TC14001188.hg.1	5.61	6.07	0.0015	0.026	SIX1	SIX homeobox 1 uncharacterized	-1.37
TC02000884.hg.1	5.07	5.54	0.0046	0.0479	LOC100507600	LOC100507600 solute carrier family 38, member 6	-1.38
TC14001722.hg.1	9.13	9.6	0.0028	0.0359	SLC38A6	5- hydroxytryptami ne (serotonin) receptor 2B, G protein-coupled	-1.38
TC02002858.hg.1	4.44	4.9	0.0005	0.0147	HTR2B		-1.38
TC05002707.hg.1	6.78	7.25	0.0049	0.0497	SGCD	sarcoglycan delta neurobeachin like 2	-1.38
TC03000263.hg.1	4.61	5.09	0.0026	0.0348	NBEAL2	ubiquitin family domain	-1.39
TC16001816.hg.1	7.69	8.17	0.0026	0.0348	UBFD1	containing 1 microtubule- associated protein, RP/EB family, member	-1.39
TC18000142.hg.1	9.34	9.82	7.53E-05	0.0061	MAPRE2	2	-1.39

TC01000837.hg.1	6.22	6.7	0.0016	0.0271 LRRC8B	leucine rich repeat containing 8 family, member B calmodulin-lysine N-methyltransferase	-1.39
TC02000276.hg.1	6.45	6.93	0.0001	0.0078 CAMKMT	e	-1.4
TC14000658.hg.1	3.5	3.98	0.003	0.0377 MIR136	microRNA 136	-1.4
TC08001887.hg.1	15.62	16.11	0.0001	0.0076 ADAM9	ADAM metalloproteinase domain 9	-1.4
TC16001291.hg.1	4.86	5.35	0.0005	0.0146 MAF	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog	-1.4
TC07003361.hg.1	11.61	12.1	0.0014	0.0246 CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	-1.4
TC03000208.hg.1	4.41	4.9	0.0041	0.0448 ENTPD3	ectonucleoside triphosphate diphosphohydrolase 3	-1.4
TC22001326.hg.1	13.89	14.38	0.0013	0.0237 MYH9	myosin, heavy chain 9, non-muscle	-1.4
TC13000493.hg.1	7.83	8.32	0.0021	0.031 CENPJ	centromere protein J	-1.41

TC10002924.hg.1	7.31	7.81	3.95E-06	0.002 AKR1C1	aldo-keto reductase family 1, member C1	-1.41
TC05003427.hg.1	9.41	9.91	0.003	0.0376 FNIP1	folliculin interacting protein 1	-1.41
TC0X001312.hg.1	7.87	8.36	0.0017	0.0277 6-Sep	septin 6	-1.41
TC12003293.hg.1	7.94	8.43	0.0031	0.038 HOXC10	homeobox C10	-1.41
TC03001546.hg.1	9.18	9.67	0.0014	0.0243 FOXP1	forkhead box P1 BTB (POZ) domain	-1.41
TC11001434.hg.1	8.34	8.84	0.0037	0.0424 BTBD10	containing 10 epidermal growth factor receptor pathway	-1.41
TC12001282.hg.1	12.37	12.86	0.0005	0.015 EPS8	substrate 8	-1.41
TC20001554.hg.1	12.86	13.36	0.0008	0.0183 EIF6	eukaryotic translation initiation factor 6	-1.41
TC03002222.hg.1	6.72	7.22	0.0002	0.0085 PPARG	peroxisome proliferator- activated receptor gamma family with sequence similarity 66,	-1.41
TC08001804.hg.1	6.44	6.94	0.0024	0.0334 FAM66D	member D	-1.41
TC02001305.hg.1	5.35	5.85	0.0037	0.0426 PLCD4	phospholipase C, delta 4	-1.41

TC09000993.hg.1	4.02	4.52	0.0027	0.0352 LINGO2	leucine rich repeat and Ig domain containing 2 leucine zipper protein 1	-1.41
TC01002336.hg.1	8.11	8.61	0.0003	0.0101 LUZP1	WAS protein family homolog 5 pseudogene	-1.42
TC19000974.hg.1	8.46	8.96	0.0024	0.0332 WASH5P		-1.42
TC05000860.hg.1	7.26	7.76	0.002	0.0307 SGCD	sarcoglycan delta	-1.42
TC02003005.hg.1	5.95	6.46	0.0003	0.0112 SOX11	SRY box 11	-1.42
TC13000701.hg.1	10.28	10.79	0.0007	0.0166 DIAPH3	diaphanous-related formin 3	-1.42
TC01002338.hg.1	3.92	4.42	9.58E-07	0.0012 HTR1D	5-hydroxytryptamine (serotonin) receptor 1D, G protein-coupled	-1.42
TC20000361.hg.1	12.43	12.94	0.0034	0.0404 CTSA	cathepsin A secretory carrier membrane protein 3	-1.42
TC01003310.hg.1	8.35	8.86	0.0017	0.0273 SCAMP3	caspase recruitment domain family, member 17	-1.42
TC11003507.hg.1	3.3	3.81	0.0003	0.0112 CARD17	fire intergenic repeating RNA element	-1.42
TC0X001366.hg.1	5.02	5.53	5.04E-05	0.0053 FIRRE	FLG antisense RNA 1	-1.42
TC01004745.hg.1	5.84	6.35	0.0031	0.038 FLG-AS1		-1.42

TC08002306.hg.1	13.77	14.29	0.0005	0.0142 PLAT	plasminogen activator, tissue	-1.43
TC13000198.hg.1	6.61	7.13	0.0018	0.0281 SETDB2	SET domain, bifurcated 2	-1.43
TC08002392.hg.1	5.96	6.48	0.0003	0.0114 ZFHx4-AS1	ZFHx4 antisense RNA 1	-1.43
TC21000133.hg.1	3.92	4.43	0.0014	0.0249 LINC00649	long intergenic non-protein coding RNA 649	-1.43
TC12003238.hg.1	10.02	10.54	0.0006	0.0156 DDX47	DEAD (Asp-Glu- Ala-Asp) box polypeptide 47	-1.43
TC12003300.hg.1	6.52	7.04	0.0035	0.0408 RDH5	retinol dehydrogenase 5 (11-cis/9-cis)	-1.43
TC03000069.hg.1	6.04	6.56	0.0002	0.0099 PPARG	peroxisome proliferator- activated	-1.44
TC16000647.hg.1	10.86	11.39	9.64E-05	0.0066 CDH13	receptor gamma cadherin 13	-1.44
TC01006072.hg.1	4.71	5.24	0.0041	0.0448 C1orf132	chromosome 1 open reading frame 132	-1.45
TC04000135.hg.1	5.4	5.94	1.62E-05	0.0035 LINC01085	long intergenic non-protein coding RNA 1085	-1.45
TC19001907.hg.1	5.78	6.31	0.0048	0.0495 ZNF418	zinc finger protein 418	-1.45
TC19000203.hg.1	7.61	8.14	0.003	0.0375 LOC10536921	uncharacterized LOC105369211	-1.45
TC06004140.hg.1	6.79	7.32	0.0034	0.0405 CNKSR3	CNKSR family member 3	-1.45

TC17001341.hg.1	5.66	6.2	0.0019	0.0298	EVI2B	ecotropic viral integration site 2B	-1.45
TC06000320.hg.1	7.45	7.99	0.0008	0.0187	SNORD32B	small nucleolar RNA, C/D box 32B	-1.45
TC07001218.hg.1	5.02	5.56	1.98E-05	0.0038	HOXA1	homeobox A1 JPX transcript, XIST activator (non-protein coding)	-1.45
TC0X000405.hg.1	9.12	9.66	0.0046	0.0482	JPX	protein tyrosine kinase 2	-1.46
TC08001686.hg.1	7.8	8.34	0.003	0.0378	PTK2	plakophilin 1	-1.46
TC01001658.hg.1	4.79	5.34	0.0039	0.0435	PKP1	ZFHx4 antisense RNA 1	-1.46
TC08001345.hg.1	6.51	7.06	0.0001	0.0074	ZFHx4-AS1	ADAM metallopeptidase with thrombospondin type 1 motif 12	-1.47
TC05002946.hg.1	10.82	11.37	6.38E-05	0.0058	ADAMTS12	diaphanous- related formin 3 family with sequence similarity 66, member C	-1.47
TC13001534.hg.1	11.33	11.88	0.001	0.0212	DIAPH3	Rho guanine nucleotide exchange factor 3	-1.47
TC12002217.hg.1	5.84	6.39	0.0037	0.0423	FAM66C	zinc finger, AN1- type domain 4	-1.47
TC03001488.hg.1	5.86	6.42	1.70E-05	0.0035	ARHGEF3		
TC10001225.hg.1	6.6	7.16	0.0034	0.0404	ZFAND4		

TC07001276.hg.1	4.76	5.32	2.56E-07	0.0008 TBX20	T-box 20 telomerase- associated protein 1	-1.47
TC14000884.hg.1	6.29	6.85	0.0032	0.0387 TEP1		-1.48
TC09002923.hg.1	4.6	5.16	0.0005	0.0146 GBGT1	globoside alpha- 1,3-N- acetylgalactosam inyltransferase 1	-1.48
TC01000124.hg.1	4.76	5.33	0.0042	0.0454 RBP7	retinol binding protein 7, cellular inositol 1,4,5- trisphosphate receptor interacting protein	-1.48
TC10001641.hg.1	8.74	9.3	0.0003	0.011 ITPRIP	ADAM metallopeptidase with thrombospondin type 1 motif 3 SH3 and PX domains 2B	-1.48
TC04001277.hg.1	5.2	5.77	0.0001	0.0076 ADAMTS3	unc-13 homolog B (C. elegans)	-1.48
TC05002062.hg.1	10.3	10.87	0.0031	0.0381 SH3PXD2B		-1.48
TC09000182.hg.1	8.5	9.07	0.0018	0.0287 UNC13B		-1.49
TC07001152.hg.1	7.68	8.26	0.0007	0.0176 ETV1	ets variant 1 exocyst complex component 6B	-1.49
TC02001977.hg.1	9.46	10.04	0.0006	0.0154 EXOC6B		-1.49
TC02001426.hg.1	8.16	8.74	0.0047	0.0484 SH3BP4	SH3-domain binding protein 4	-1.5

TC15001296.hg.1	8.67	9.26	0.0015	0.0255 SPG11	spastic paraplegia 11 (autosomal recessive)	-1.5
TC14000747.hg.1	4.59	5.17	0.0015	0.0257 MIR655	microRNA 655	-1.5
TC02002143.hg.1	4.9	5.49	0.0034	0.0401 TBC1D8	TBC1 domain family, member 8 (with GRAM domain)	-1.5
TC02001885.hg.1	4.67	5.26	0.002	0.0301 BCL11A	B-cell CLL/lymphoma 11A (zinc finger protein)	-1.5
TC01002497.hg.1	8.56	9.14	0.0029	0.0366 KIAA0319L	KIAA0319-like uncharacterized	-1.5
TC05002356.hg.1	5.2	5.78	0.0025	0.0346 LOC10050663	LOC100506639 NLR family, CARD domain	-1.5
TC16000482.hg.1	5.65	6.24	0.0041	0.0449 NLRC5	containing 5 lin-28 homolog B (C. elegans)	-1.5
TC06000840.hg.1	4.01	4.59	0.0039	0.0437 LIN28B	microRNA 580	-1.5
TC05001269.hg.1	4.34	4.93	0.0007	0.0169 MIR580	fatty acyl-CoA reductase 2	-1.51
TC12000276.hg.1	8.17	8.76	0.0022	0.0317 FAR2	ABRA C-terminal like	-1.51
TC06001034.hg.1	6.22	6.81	0.0006	0.0165 ABRACL	ATPase, class VI, type 11A	-1.51
TC13000411.hg.1	6.59	7.19	0.0005	0.0143 ATP11A	major histocompatibility complex, class I-related	-1.51
TC01001568.hg.1	7.82	8.42	0.0003	0.0102 MR1		-1.51

TC03000538.hg.1	4.81	5.41	0.0016	0.0265 DUBR	DPPA2 upstream binding RNA	-1.51
TC01005458.hg.1	4.11	4.71	0.0011	0.0218 TAL1	T-cell acute lymphocytic leukemia 1	-1.51
TC12000424.hg.1	10.52	11.12	0.0009	0.0194 KRT18	keratin 18, type I TELO2 interacting protein 1	-1.51
TC20000829.hg.1	10.1	10.7	0.0032	0.0391 TTI1	synaptogyrin 2 ferric-chelate reductase 1	-1.52
TC17000897.hg.1	6.45	7.05	0.0009	0.0197 SYNGR2	calneuron 1 SH3 domain binding glutamate-rich protein like 2	-1.52
TC01002911.hg.1	7.63	8.23	0.0046	0.048 FRRS1	HAND2 antisense RNA 1 (head to head)	-1.52
TC07003010.hg.1	3.24	3.85	0.0038	0.0429 CALN1	testis expressed 41 (non-protein coding) adhesion G protein-coupled receptor L1	-1.52
TC06000758.hg.1	6.3	6.91	0.0046	0.0481 SH3BGR2	shisa family member 4	-1.53
TC04002328.hg.1	3.85	4.46	0.0011	0.0221 HAND2-AS1	fibronectin 1	-1.53
TC02000912.hg.1	4.1	4.71	0.0029	0.0368 TEX41		
TC19001233.hg.1	5.23	5.84	0.0044	0.0467 ADGRL1		
TC01004948.hg.1	8.51	9.12	0.0028	0.0362 SHISA4		
TC02002747.hg.1	18.41	19.03	0.0026	0.0347 FN1		

TC12000025.hg.1	6.67	7.28	2.24E-05	0.004	CACNA1C	calcium channel, voltage- dependent, L type, alpha 1C subunit	-1.53
TC19000514.hg.1	6.73	7.34	0.003	0.0378	HKR1	HKR1, GLI- Kruppel zinc finger family member	-1.53
TC03000495.hg.1	4.86	5.48	0.0002	0.0101	ST3GAL6	ST3 beta- galactoside alpha- 2,3- sialyltransferase 6	-1.53
TC01001688.hg.1	11.95	12.57	1.35E-05	0.0033	ATP2B4	ATPase, Ca++ transporting, plasma membrane 4 solute carrier family 18, subfamily B, member 1	-1.53
TC06002122.hg.1	6.96	7.57	0.0018	0.0289	SLC18B1	damage-specific DNA binding protein 2	-1.54
TC11000404.hg.1	8.24	8.86	0.0014	0.0252	DDB2	neuron navigator 2	-1.54
TC11002593.hg.1	3.92	4.54	0.0005	0.0141	NAV2	MIR924 host gene	-1.54
TC18000465.hg.1	4.21	4.83	0.0026	0.0347	MIR924HG	microRNA 622	-1.54
TC13000320.hg.1	9.84	10.47	0.0007	0.0169	MIR622	uncharacterized	-1.54
TC05000882.hg.1	5.46	6.09	0.0014	0.0249	LOC10192774	LOC101927740	-1.54
TC08000508.hg.1	3.86	4.48	3.23E-05	0.0045	STMN2	stathmin 2	-1.54

TC05002426.hg.1	4.11	4.74	0.0046	0.0482 OCLN	occludin tripartite motif	-1.54
TC04000825.hg.1	4.05	4.68	0.0014	0.0249 TRIM60	containing 60 MIR2052 host	-1.55
TC08000495.hg.1	4.87	5.5	0.001	0.0204 MIR2052HG	gene SH3 and SYLF domain	-1.55
TC02003949.hg.1	8.18	8.82	0.0026	0.0349 SH3YL1	containing 1 pyruvate	-1.56
TC11001976.hg.1	6.32	6.96	0.002	0.0307 PC	carboxylase protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin),	-1.56
TC12001776.hg.1	4.33	4.97	0.0012	0.0229 PPFIA2	alpha 2	-1.56
TC12000092.hg.1	5.26	5.9	0.0009	0.0193 CD4	CD4 molecule arrestin domain	-1.56
TC15000945.hg.1	8.32	8.96	0.0008	0.018 ARRDC4	containing 4	-1.56
TC19001688.hg.1	4.45	5.09	0.002	0.0301 DBP	D site of albumin promoter (albumin D-box) binding protein	-1.56

TC01001316.hg.1	6.5	7.14	0.0014	0.0251	PMF1; PMF1-le (gla) protein	-1.56
TC09001210.hg.1	4.62	5.26	0.0023	0.0325	LINC01474 long intergenic non-protein coding RNA 1474	-1.56
TC04002727.hg.1	4.59	5.23	0.0013	0.0241	LOC101927355 LOC101927359 uncharacterized	-1.57
TC06003507.hg.1	4.84	5.49	0.0011	0.0214	LOC100506885 LOC100506885 DnaJ (Hsp40) homolog, subfamily C, member 1	-1.57
TC10001097.hg.1	9.46	10.11	0.0018	0.0287	DNAJC1 kinase suppressor of ras	-1.57
TC17000311.hg.1	6.61	7.26	0.0003	0.0118	KSR1 1 uncharacterized	-1.57
TC04001550.hg.1	4.38	5.04	0.0008	0.0183	LOC101927355 LOC101927359	-1.57
TC09000941.hg.1	7.28	7.94	0.0004	0.0135	MLLT3 myeloid/lymphoid or mixed-lineage leukemia; translocated to, 3	-1.58

TC02004076.hg.1	4.33	4.98	0.0012	0.0233 SMC6	structural maintenance of chromosomes 6	-1.58
TC01001063.hg.1	4.18	4.84	0.0013	0.0235 BX571672.4	integrin alpha FG-GAP repeat containing 1 FYVE, RhoGEF and PH domain containing 6 NLR family, pyrin domain	-1.58
TC16001090.hg.1	11.39	12.06	0.0033	0.0396 ITFG1	containing 2	-1.59
TC12003015.hg.1	9.19	9.86	1.75E-05	0.0036 FGD6	plastin 1	-1.59
TC19000887.hg.1	4.16	4.82	0.0015	0.0258 NLRP2	trio Rho guanine nucleotide exchange factor	-1.59
TC03000768.hg.1	4.97	5.64	0.0004	0.0128 PLS1	Fraser extracellular matrix complex subunit 1	-1.59
TC05000083.hg.1	10.29	10.96	0.0049	0.05 TRIO	roundabout guidance receptor 1	-1.59
TC04000434.hg.1	4.64	5.31	0.0041	0.0451 FRAS1	KIAA1147	-1.6
TC03001570.hg.1	9.86	10.53	0.0034	0.0406 ROBO1	solute carrier family 7 (amino acid transporter light chain, y+L system), member 7	-1.6
TC07001930.hg.1	6.06	6.74	0.0011	0.0219 KIAA1147		-1.6
TC14000936.hg.1	4.62	5.3	0.0007	0.0172 SLC7A7		-1.6

TC12003251.hg.1	5.97	6.66	1.48E-05	0.0034	RAB3IP	RAB3A interacting protein	-1.61
TC06001861.hg.1	5.1	5.79	0.004	0.0445	MIR30C2	microRNA 30c-2	-1.61
						protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	
TC12002980.hg.1	4.29	4.98	0.0015	0.0253	PPFIA2		-1.61
						lysophosphatidyl choline	
TC15001194.hg.1	7.96	8.65	0.0002	0.0089	LPCAT4	acyltransferase 4	-1.61
TC14000728.hg.1	4.32	5.01	0.0023	0.0327	MIR495	microRNA 495	-1.62
						signal-induced proliferation- associated 1 like	
TC19000521.hg.1	8.53	9.22	0.0016	0.0265	SIPA1L3	3	-1.62
TC04000430.hg.1	12.57	13.27	0.0027	0.0352	11-Sep	septin 11 uncharacterized	-1.62
TC11002145.hg.1	3.78	4.48	0.0034	0.04	LOC10192894	LOC101928944 aldehyde dehydrogenase 1 family, member A3	-1.62
TC15000971.hg.1	8.4	9.1	0.0034	0.0401	ALDH1A3		-1.63
						cyclin-dependent kinase 12	
TC17000475.hg.1	5.58	6.28	0.0025	0.0341	CDK12		-1.63
						embigin	
TC01001053.hg.1	8.51	9.21	0.0005	0.0151	EMBP1	pseudogene 1	-1.63

TC09002707.hg.1	4.39	5.1	0.0001	0.0076 TMEM246	transmembrane protein 246	-1.63
TC02000199.hg.1	7.48	8.19	0.0006	0.0158 LBH	limb bud and heart development	-1.63
TC09000338.hg.1	4.14	4.84	0.0022	0.0323 RORB	RAR-related orphan receptor B	-1.63
TC11000654.hg.1	8.92	9.62	0.0042	0.0455 PACS1	phosphofurin acidic cluster sorting protein 1	-1.63
TC11000957.hg.1	10.2	10.9	0.0035	0.0412 BIRC2	baculoviral IAP repeat containing 2	-1.63
TC01002662.hg.1	5.98	6.69	0.0004	0.0124 ECHDC2	enoyl-CoA hydratase domain	-1.64
TC07000216.hg.1	8.37	9.08	0.0006	0.0162 BBS9	containing 2 Bardet-Biedl syndrome 9	-1.64
TC20001049.hg.1	4.69	5.4	0.0037	0.0421 DEFB129	defensin, beta 129	-1.64
TC09000359.hg.1	6.59	7.31	0.0019	0.0292 TLE4	transducin-like enhancer of split 4	-1.64
TC20000747.hg.1	5.01	5.73	0.0013	0.0235 MLLT10P1	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 10 pseudogene 1	-1.64
TC05001097.hg.1	3.99	4.71	0.0002	0.0095 MIR4456	microRNA 4456	-1.64

TC02005010.hg.1	7.76	8.48	0.0032	0.0392	SP140L	SP140 nuclear body protein-like	-1.65
TC6_mcf_hap5000046.hg.	5.25	5.97	0.0013	0.0241	HCP5	HLA complex P5 (non-protein coding)	-1.65
TC03001696.hg.1	4.83	5.56	5.27E-05	0.0053	HCLS1	hematopoietic cell-specific Lyn substrate 1	-1.65
TC17000705.hg.1	6.74	7.47	0.0022	0.0321	MSI2	musashi RNA binding protein 2	-1.66
TC03001717.hg.1	11.46	12.19	0.0034	0.0403	ITGB5	integrin beta 5	-1.66
TC04001719.hg.1	7.75	8.48	0.0046	0.0479	DDX60L	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like	-1.66
TC18000440.hg.1	7.11	7.85	0.0034	0.0406	B4GALT6	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6	-1.67
TC08002263.hg.1	13.44	14.17	0.0025	0.0341	CLU	clusterin	-1.67
TC09001151.hg.1	4.47	5.21	0.0012	0.0231	LINC00537	long intergenic non-protein coding RNA 537	-1.67
TC14002298.hg.1	8.19	8.93	0.0036	0.0416	SLC38A6	solute carrier family 38, member 6	-1.67
TC08001464.hg.1	5.63	6.37	0.0035	0.041	STK3	serine/threonine kinase 3	-1.67
TC20000175.hg.1	6.78	7.52	0.0003	0.0112	LOC10013486	LOC100134868	-1.68

TC13000517.hg.1	5.25	6	8.23E-05	0.0063 FLT1	fms-related tyrosine kinase 1	-1.68
TC12001755.hg.1	7.81	8.56	9.66E-05	0.0066 CSRP2	cysteine and glycine-rich protein 2	-1.68
TC06003372.hg.1	6.74	7.49	0.0014	0.0243 DXO	decapping exoribonuclease	-1.68
TC08000325.hg.1	6.81	7.56	0.0017	0.0278 IKBKB	inhibitor of kappa light polypeptide gene enhancer in B- cells, kinase beta ADAM	-1.68
TC01006331.hg.1	7.12	7.87	0.002	0.0305 ADAM15	metallopeptidase domain 15	-1.68
TC07001811.hg.1	8.33	9.09	0.0014	0.0245 AASS	aminoadipate- semialdehyde synthase	-1.69
TC04001453.hg.1	4.93	5.68	3.15E-05	0.0044 DKK2	dickkopf WNT signaling pathway inhibitor 2	-1.69
TC03000303.hg.1	5.28	6.04	0.0002	0.0097 SEMA3F	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F	-1.69

					calcium/calmodu lin-dependent	
TC10001907.hg.1	5.51	6.27	7.13E-05	0.006	CAMK1D protein kinase ID	-1.69
TC14000495.hg.1	5.1	5.86	6.88E-05	0.0059	NRXN3 neurexin 3	-1.69
					COMM domain	
TC11001557.hg.1	9.52	10.28	0.0024	0.0338	COMMD9 containing 9	-1.69
TC14000287.hg.1	7.87	8.63	0.0002	0.0098	ATL1 atlastin GTPase 1	-1.69
					DPY19L2	
TC07000187.hg.1	4.81	5.57	0.0002	0.008	DPY19L2P3 pseudogene 3	-1.7
					aldehyde	
					dehydrogenase 3	
					family, member	
TC17000246.hg.1	8.11	8.88	0.0038	0.0427	ALDH3A2 A2	-1.7
					ADAM	
					metallopeptidase	
TC08000298.hg.1	14.19	14.95	4.29E-05	0.0049	ADAM9 domain 9	-1.7
					hepatocyte	
					growth factor	
					(hepapoietin A;	
TC07001562.hg.1	9.89	10.66	0.001	0.0209	HGF scatter factor)	-1.7
					zinc finger	
TC19000402.hg.1	7.24	8.02	0.0035	0.0412	ZNF730 protein 730	-1.71
					matrix	
					metallopeptidase	
					16 (membrane-	
TC08001396.hg.1	8.77	9.54	0.0008	0.018	MMP16 inserted)	-1.71

					solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	
TC04000902.hg.1	6.08	6.86	6.80E-05	0.0059 SLC25A4	host cell factor C2	-1.71
TC12000807.hg.1	9.3	10.08	0.0043	0.0464 HCFC2	NLR family, pyrin domain	-1.71
TC17001059.hg.1	6.99	7.77	0.0004	0.013 NLRP1	containing 1 small nucleolar RNA, C/D box	-1.72
TC19001757.hg.1	3.95	4.73	0.0024	0.0339 SNORD88C	88C	-1.72
TC01001755.hg.1	5.55	6.33	0.0005	0.0147 HHAT	hedgehog acyltransferase LMBR1 domain	-1.72
TC06001854.hg.1	9.21	10	0.0029	0.0366 LMBRD1	containing 1 meningioma expressed antigen 5	-1.73
TC10001613.hg.1	10.11	10.9	0.0031	0.0384 MGEA5	(hyaluronidase)	-1.73
TC10001374.hg.1	12.96	13.76	0.0002	0.009 PSAP	prosaposin enoyl-CoA hydratase 1,	-1.73
TC19002698.hg.1	12.39	13.19	0.0019	0.0296 ECH1	peroxisomal zinc finger	-1.73
TC19001342.hg.1	5.37	6.16	0.0004	0.0124 ZNF682	protein 682	-1.73

TC02000271.hg.1	7.85	8.64	0.0002	0.0097	DYNC2LI1	dynein, cytoplasmic 2, light intermediate chain 1	-1.74
TC21000388.hg.1	7.29	8.09	1.76E-05	0.0036	TIAM1	T-cell lymphoma invasion and metastasis 1	-1.74
TC03002008.hg.1	8.75	9.55	0.0025	0.0342	NCEH1	neutral cholesterol ester hydrolase 1	-1.74
TC12000325.hg.1	8.24	9.04	0.0037	0.0421	IRAK4	interleukin 1 receptor associated kinase 4	-1.74
TC03000828.hg.1	3.96	4.76	0.0037	0.0421	AADACP1	arylacetamide deacetylase pseudogene 1	-1.74
TC02000870.hg.1	5.24	6.04	0.0013	0.0236	LOC101928161	uncharacterized LOC101928161	-1.75
TC16000317.hg.1	6.13	6.94	0.0039	0.0436	SNX29P2; SNX29	sorting nexin 29 pseudogene 2; sorting nexin 29 pseudogene 1	-1.75
TC05002961.hg.1	6.54	7.36	0.0021	0.0314	GDNF	glial cell derived neurotrophic factor	-1.76
TC21000337.hg.1	4.35	5.17	0.004	0.0441	LINC00515	long intergenic non-protein coding RNA 515	-1.76

TC01003144.hg.1	6.93	7.74	0.0031	0.0381	LINC01138	long intergenic non-protein coding RNA 1138	-1.76
TC03000584.hg.1	4.97	5.79	0.0012	0.0225	GRAMD1C	GRAM domain containing 1C ST6 (alpha-N- acetyl- neuraminyl-2,3- beta-galactosyl- 1,3)-N- acetylgalactosam inide alpha-2,6- sialyltransferase	-1.76
TC01000783.hg.1	5.56	6.37	0.0012	0.0229	ST6GALNAC5	5	-1.76
TC11000275.hg.1	4.41	5.23	0.003	0.0373	ANO3	anoctamin 3 transforming growth factor beta receptor associated	-1.76
TC02002166.hg.1	8.88	9.7	0.0029	0.0368	TGFBRAP1	protein 1 myotubularin related protein	-1.77
TC15001161.hg.1	7.81	8.63	0.0035	0.0412	MTMR10	10	-1.77
TC15001079.hg.1	7.8	8.62	0.0002	0.0095	ATP10A	ATPase, class V, type 10A	-1.77
TC05001789.hg.1	3.65	4.48	0.0014	0.0246	LOC10254622	LOC102546229 glioblastoma down-regulated	-1.78
TC09000277.hg.1	6.05	6.88	0.0006	0.0154	GLIDR	RNA	-1.78

TC05001481.hg.1	8.75	9.58	8.35E-05	0.0063 ENC1	ectodermal-neural cortex 1 (with BTB domain)	-1.78
TC08002356.hg.1	6.15	6.98	0.0005	0.0142 PDE7A	phosphodiesterase 7A	-1.78
TC06004098.hg.1	9.85	10.68	0.0003	0.011 PHACTR2	phosphatase and actin regulator 2 SOGA family member 3;	-1.78
TC06002090.hg.1	5.74	6.58	0.0003	0.011 SOGA3; KIAAC KIAA0408	NR2F2 antisense	-1.78
TC15002722.hg.1	5.22	6.06	0.0019	0.0296 NR2F2-AS1	RNA 1	-1.79
TC01004449.hg.1	8.82	9.66	0.0029	0.0366 ROR1	receptor tyrosine kinase-like orphan receptor 1	-1.79
TC19000179.hg.1	5.4	6.24	0.0048	0.0494 MIR1238	microRNA 1238	-1.79
TC20000887.hg.1	4.91	5.76	0.0027	0.0357 WFDC10B	WAP four-disulfide core domain 10B CKLF-like MARVEL transmembrane domain	-1.8
TC03000159.hg.1	4.47	5.32	0.0035	0.0408 CMTM8	containing 8	-1.8
TC01003080.hg.1	6.64	7.49	0.0033	0.0399 LINC01138	long intergenic non-protein coding RNA 1138	-1.8
TC07002228.hg.1	4.83	5.68	0.0012	0.0231 DPY19L2P3	DPY19L2 pseudogene 3	-1.81

TC20000834.hg.1	4.75	5.6	0.0012	0.0229 KIAA1755	KIAA1755	-1.81
TC06001293.hg.1	7.74	8.6	0.0039	0.0437 ATXN1	ataxin 1	-1.81
					pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1	
TC10001369.hg.1	8.28	9.14	0.0012	0.0231 PCBD1	alpha microtubule associated monooxygenase, calponin and LIM domain	-1.81
TC22000478.hg.1	6.69	7.55	0.0014	0.0248 MICAL3	containing 3 GMDS antisense RNA 1 (head to	-1.81
TC06000014.hg.1	7.27	8.13	0.0019	0.0298 GMDS-AS1	head) zinc finger	-1.82
TC03003315.hg.1	5.5	6.36	0.0007	0.0178 ZNF660	protein 660	-1.82
TC12002056.hg.1	6.1	6.97	0.0041	0.0451 HNF1A-AS1	HNF1A antisense RNA 1	-1.82
					cilia and flagella associated	
TC02000326.hg.1	7.41	8.28	0.002	0.0301 CFAP36	protein 36 glucuronidase, beta pseudogene	-1.82
TC05002301.hg.1	7.19	8.06	0.0026	0.0349 GUSBP1	1	-1.83
TC15001620.hg.1	9.04	9.91	0.0035	0.0412 MYO9A	myosin IXA	-1.83

TC01001158.hg.1	4.85	5.73	0.0009	0.0197	FAM231D	family with sequence similarity 231, member D	-1.84
TC18000413.hg.1	9.03	9.91	0.0014	0.0243	NPC1	Niemann-Pick disease, type C1 aldehyde dehydrogenase 5 family, member	-1.84
TC06000146.hg.1	4.81	5.69	0.0046	0.0479	ALDH5A1	A1	-1.84
TC06001071.hg.1	9.76	10.64	0.004	0.0443	STXBP5	syntaxin binding protein 5 (tomosyn)	-1.84
TC06000836.hg.1	4.21	5.1	4.31E-05	0.0049	GRIK2	glutamate receptor, ionotropic, kainate 2	-1.85
TC15000153.hg.1	5.41	6.3	0.0012	0.0225	APBA2	amyloid beta (A4) precursor protein-binding, family A, member 2	-1.85
TC04001139.hg.1	10.46	11.35	4.90E-05	0.0052	APBB2	amyloid beta (A4) precursor protein-binding, family B, member 2	-1.85
TC14001468.hg.1	4.12	5.01	0.0013	0.0241	SERPINA9	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 9	-1.86

TC01003042.hg.1	8.6	9.49	8.80E-08	0.0004	TBX15	T-box 15 adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper	-1.86
TC12001913.hg.1	9.87	10.77	0.0041	0.0451	APPL2	containing 2 PAPPA antisense	-1.86
TC09002765.hg.1	3.88	4.78	0.0015	0.0259	PAPPA-AS2	RNA 2	-1.86
TC05000756.hg.1	4.62	5.52	0.0048	0.0494	PCDHB13	protocadherin beta 13	-1.87
TC19001555.hg.1	9.41	10.31	0.0027	0.0352	EXOSC5	exosome component 5	-1.87
TC16001626.hg.1	4.85	5.75	0.0029	0.037	IST1	increased sodium tolerance 1	-1.87
TC06003152.hg.1	11.7	12.6	0.0002	0.0093	SNX9	homolog (yeast) sorting nexin 9	-1.87
TC05000814.hg.1	4.19	5.09	0.002	0.0302	ADRB2	adrenoceptor beta 2, surface	-1.87
TC20000048.hg.1	7.04	7.94	0.0027	0.0353	SMOX	spermine oxidase	-1.87
TC6_apd_hap1000013.hg.	7.03	7.94	0.0003	0.0112	SNORD32B	small nucleolar RNA, C/D box 32B	-1.87
TC6_cox_hap2000017.hg.	7.03	7.94	0.0003	0.0112	SNORD32B	small nucleolar RNA, C/D box 32B	-1.87
TC6_dbb_hap3000013.hg.	7.03	7.94	0.0003	0.0112	SNORD32B	small nucleolar RNA, C/D box 32B	-1.87

TC6_mann_hap4000014.h	7.03	7.94	0.0003	0.0112	SNORD32B	small nucleolar RNA, C/D box 32B	-1.87
TC6_mcf_hap5000012.hg.	7.03	7.94	0.0003	0.0112	SNORD32B	small nucleolar RNA, C/D box 32B	-1.87
TC6_qbl_hap6000012.hg.1	7.03	7.94	0.0003	0.0112	SNORD32B	small nucleolar RNA, C/D box 32B	-1.87
TC03001890.hg.1	7.61	8.51	0.0011	0.0222	WWTR1	WW domain containing transcription regulator 1	-1.87
TC09001139.hg.1	5.81	6.72	0.001	0.0207	LOC10272423	LOC554249 uncharacterized	-1.88
TC05002714.hg.1	5.52	6.43	0.0011	0.0224	LOC10192774	LOC101927740 SYNJ2 intronic	-1.88
TC06001129.hg.1	6.44	7.35	0.0006	0.0153	SYNJ2-IT1	transcript 1	-1.88
TC13000120.hg.1	5.17	6.08	0.0027	0.0357	NBEA	neurobeachin	-1.88
TC13000655.hg.1	5.25	6.17	0.0011	0.0223	LPAR6	lysophosphatidic acid receptor 6	-1.88
TC05003123.hg.1	9.73	10.64	0.0047	0.0489	HAPLN1	hyaluronan and proteoglycan link protein 1	-1.88
TC09001287.hg.1	7.37	8.29	9.06E-05	0.0065	AGTPBP1	ATP/GTP binding protein 1	-1.89
TC17000777.hg.1	8.64	9.56	0.0043	0.0461	MILR1	mast cell immunoglobulin- like receptor 1	-1.89

TC02002905.hg.1	15.32	16.24	0.0008	0.0184 COL6A3	collagen, type VI, alpha 3	-1.9
TC04001177.hg.1	8.63	9.56	0.0034	0.0402 FRYL	FRY like transcription coactivator	-1.9
TC03000419.hg.1	5.17	6.1	0.0028	0.0362 MITF	microphthalmia- associated transcription factor	-1.91
TC14000977.hg.1	4.61	5.54	0.0043	0.0462 CBLN3	cerebellin 3 precursor	-1.91
TC0X002081.hg.1	3.73	4.66	0.003	0.0372 WNK3	WNK lysine deficient protein kinase 3	-1.91
TC6_dbb_hap3000020.hg.	5.59	6.52	0.004	0.0443 HLA-K	major histocompatibilit y complex, class I, K (pseudogene)	-1.91
TC14001724.hg.1	6.76	7.7	0.0021	0.0314 FLJ22447	uncharacterized LOC400221	-1.91
TC06000359.hg.1	3.7	4.63	0.0036	0.0419 POU5F1	POU class 5 homeobox 1	-1.91
TC6_cox_hap2000056.hg.1	3.7	4.63	0.0036	0.0419 POU5F1	POU class 5 homeobox 1	-1.91
TC6_dbb_hap3000049.hg.	3.7	4.63	0.0036	0.0419 POU5F1	POU class 5 homeobox 1	-1.91
TC6_mann_hap4000050.h	3.7	4.63	0.0036	0.0419 POU5F1	POU class 5 homeobox 1	-1.91
TC6_mcf_hap5000043.hg.	3.7	4.63	0.0036	0.0419 POU5F1	POU class 5 homeobox 1	-1.91
TC6_qbl_hap6000049.hg.1	3.7	4.63	0.0036	0.0419 POU5F1	POU class 5 homeobox 1	-1.91

TC6_ssto_hap7000043.hg.	3.7	4.63	0.0036	0.0419 POU5F1	POU class 5 homeobox 1 dynein, cytoplasmic 1, intermediate chain 1	-1.91
TC07000571.hg.1	5.16	6.09	0.0002	0.0098 DYNC1I1	autophagy related 7	-1.91
TC03000065.hg.1	6.63	7.57	0.0011	0.0214 ATG7	kelch-like family member 13	-1.92
TC0X001303.hg.1	4.49	5.43	0.0013	0.0241 KLHL13	WAS protein homolog associated with actin, golgi membranes and microtubules	-1.92
TC15001051.hg.1	8.09	9.04	0.0033	0.0398 WHAMMP3	pseudogene 3 glucuronidase, beta pseudogene	-1.93
TC05000108.hg.1	6.27	7.22	0.0016	0.027 GUSBP1	1 zinc finger protein 462	-1.93
TC09000544.hg.1	8.18	9.13	0.0006	0.0154 ZNF462	G protein- coupled receptor	-1.94
TC0X001714.hg.1	5.02	5.98	0.0019	0.0295 GPR173	173 glucuronidase, beta pseudogene	-1.94
TC06003701.hg.1	6.42	7.38	0.0029	0.0366 GUSBP1	1 ankyrin repeat domain 18C,	-1.94
TC09002939.hg.1	4.61	5.57	0.003	0.0378 ANKRD18CP	pseudogene	-1.95

TC0X000386.hg.1	4.44	5.4	0.0027	0.0355	ITGB1BP2	integrin beta 1 binding protein (melusin) 2 leucine rich repeat containing	-1.95
TC07000668.hg.1	7.74	8.71	3.13E-05	0.0044	LRRC17	17	-1.95
TC02000448.hg.1	5.65	6.62	5.46E-06	0.0023	ACTG2	actin, gamma 2, smooth muscle, enteric	-1.96
TC19002117.hg.1	4.7	5.67	0.0047	0.0488	ZNF790-AS1	ZNF790 antisense RNA 1	-1.96
TC21000095.hg.1	6.02	7	0.0017	0.028	MAP3K7CL	MAP3K7 C- terminal like	-1.96
TC1_gl000192_random000	4.9	5.87	7.65E-05	0.0061	HYDIN; HYDIN	HYDIN, axonemal central pair apparatus protein; HYDIN2, axonemal central pair apparatus protein	-1.96
TC04001361.hg.1	11.45	12.43	0.0019	0.0292	TECRP1	trans-2,3-enoyl- CoA reductase pseudogene 1	-1.97
TC01006302.hg.1	13.15	14.13	0.0022	0.0324	NBPF15	neuroblastoma breakpoint family, member 15	-1.97
TC07002554.hg.1	4.11	5.09	0.0016	0.0269	POT1-AS1	POT1 antisense RNA 1	-1.97

TC03003093.hg.1	8.49	9.47	0.0021	0.0315	NPHP3-ACAD11 readthrough (NMD candidate)	-1.98
TC02001101.hg.1	9.85	10.84	0.0015	0.0257	FAM171B family with sequence similarity 171, member B	-1.98
TC01003000.hg.1	5.81	6.8	0.0023	0.0327	LINC01356 long intergenic non-protein coding RNA 1356	-1.98
TC13001018.hg.1	4.85	5.83	0.0031	0.0385	SMAD9 SMAD family member 9	-1.98
TC11001499.hg.1	6.58	7.57	0.0013	0.0241	SVIP small VCP/p97- interacting protein	-1.98
TC11000572.hg.1	5.14	6.13	0.002	0.0301	RARRES3 retinoic acid receptor responder (tazarotene induced) 3	-1.98
TC17001799.hg.1	6.76	7.74	0.0037	0.0419	POLG2 polymerase (DNA directed), gamma 2, accessory subunit	-1.98
TC14001472.hg.1	9.57	10.56	0.0047	0.0489	DICER1 dicer 1, ribonuclease type III	-1.99
TC20000886.hg.1	4.61	5.61	0.0025	0.034	WFDC11 WAP four- disulfide core domain 11	-1.99

TC07000930.hg.1	8.1	9.09	0.0009	0.0194	GSTK1	glutathione S-transferase kappa 1	-1.99
TC01001607.hg.1	9.47	10.46	7.80E-05	0.0062	PLA2G4A	phospholipase A2, group IVA (cytosolic, calcium- dependent)	-1.99
TC08000240.hg.1	6.84	7.83	1.95E-05	0.0038	RBPM5	RNA binding protein with multiple splicing tripartite motif	-1.99
TC05003395.hg.1	6.21	7.2	0.0036	0.0415	TRIM52	containing 52 ankyrin 1,	-2
TC08001171.hg.1	4.86	5.86	0.0005	0.015	ANK1	erythrocytic	-2
TC05000412.hg.1	15.02	16.02	0.0036	0.0416	VCAN	versican	-2
TC04001487.hg.1	9.25	10.25	0.0009	0.0196	ARSJ	arylsulfatase family, member J adipogenesis associated, Mth938 domain	-2
TC11000832.hg.1	5.14	6.14	0.0007	0.0177	AAMDC	containing plasminogen	-2
TC08001175.hg.1	10.26	11.27	0.0007	0.017	PLAT	activator, tissue spindle and centriole associated	-2.01
TC03001661.hg.1	6.86	7.86	0.0039	0.0437	SPICE1	protein 1	-2.01

TC06001184.hg.1	7.29	8.3	0.0011	0.0216	MLLT4	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 4	-2.01
TC6_dbb_hap3000114.hg.1	10.31	11.32	0.004	0.044	IFITM4P	interferon induced transmembrane protein 4 pseudogene	-2.02
TC6_mann_hap4000103.hg.1	10.31	11.32	0.004	0.044	IFITM4P	interferon induced transmembrane protein 4 pseudogene	-2.02
TC6_qbl_hap6000115.hg.1	10.31	11.32	0.004	0.044	IFITM4P	interferon induced transmembrane protein 4 pseudogene	-2.02
TC0X000658.hg.1	6.91	7.92	0.0039	0.0433	FHL1	four and a half LIM domains 1	-2.02
TC17001695.hg.1	4.53	5.54	0.0046	0.0482	LOC10192725	LOC101927253 uncharacterized	-2.02
TC08001217.hg.1	4.13	5.14	0.0004	0.0133	LOC10537583	LOC105375839 neuroblastoma breakpoint family, member 15	-2.02
TC01001144.hg.1	11.73	12.75	0.0017	0.0272	NBPF15	early growth response 3	-2.02
TC08002253.hg.1	7.78	8.8	0.0007	0.0166	EGR3		-2.03

					SH3 domain	
					containing ring	
TC05000795.hg.1	5.48	6.5	6.33E-05	0.0058 SH3RF2	finger 2	-2.03
TC14001315.hg.1	6.38	7.41	0.0007	0.0174 MLH3	mutL homolog 3	-2.03
TC08001350.hg.1	4.61	5.63	0.0029	0.0367 IL7	interleukin 7	-2.03
					long intergenic	
					non-protein	
TC0X002269.hg.1	4.92	5.95	0.0048	0.0492 LINC00893	coding RNA 893	-2.04
					methylenetetrah	
					ydrofolate	
					dehydrogenase	
					(NADP+	
					dependent) 1-	
TC06001097.hg.1	9.99	11.01	0.001	0.0209 MTHFD1L	like	-2.04
					chemokine (C-X-	
					C motif) ligand	
TC17001029.hg.1	5.8	6.83	0.0037	0.0423 CXCL16	16	-2.05
					uncharacterized	
TC04002894.hg.1	4.03	5.06	5.26E-07	0.0011 LOC339975	LOC339975	-2.05
					family with	
					sequence	
					similarity 13,	
TC10001314.hg.1	4.5	5.54	0.0005	0.0149 FAM13C	member C	-2.05
					trafficking	
					protein particle	
TC08001680.hg.1	5.82	6.86	0.0033	0.0399 TRAPPC9	complex 9	-2.05
					glial cell derived	
					neurotrophic	
TC05001280.hg.1	6.46	7.5	3.30E-05	0.0045 GDNF	factor	-2.05
					ALG8, alpha-1,3-	
					glucosyltransfera	
TC11002133.hg.1	11.47	12.51	0.0002	0.0092 ALG8	se	-2.05

TC02001174.hg.1	6.98	8.02	0.0007	0.0176 CFLAR	CASP8 and FADD like apoptosis regulator neuroblastoma breakpoint family, member 14; neuroblastoma breakpoint family, member 19; neuroblastoma breakpoint family, member	-2.05
TC01006368.hg.1	13.55	14.59	0.0035	0.0409 NBPF14; NBPF8		-2.06
TC0X002026.hg.1	5.68	6.72	0.0001	0.0068 DMD	dystrophin caspase recruitment domain family, member 18	-2.06
TC11002250.hg.1	3.59	4.64	0.0011	0.0215 CARD18	fasciculation and elongation protein zeta 2 (zyglin II)	-2.06
TC02001735.hg.1	6.77	7.81	0.0025	0.0347 FEZ2	AT rich interactive domain 5B	-2.06
TC10002092.hg.1	14.06	15.11	0.0041	0.0452 ARID5B	(MRF1-like) DPY19L2	-2.07
TC07001717.hg.1	5.22	6.28	3.20E-05	0.0045 DPY19L2P2	pseudogene 2	-2.08

TC20000984.hg.1	4.93	5.98	0.0038	0.0428	PPP4R1L	protein phosphatase 4, regulatory subunit 1-like (pseudogene)	-2.08
TC07003093.hg.1	5.12	6.18	2.34E-05	0.004	DPY19L2P2	DPY19L2 pseudogene 2 uncharacterized	-2.08
TC12002445.hg.1	4.04	5.1	0.0035	0.041	LOC100507333	LOC100507330 HECT, UBA and WWE domain containing 1, E3 ubiquitin protein	-2.09
TC0X002079.hg.1	13.38	14.45	0.0016	0.0265	HUWE1	ligase long intergenic non-protein	-2.09
TC03003015.hg.1	4.66	5.72	0.0011	0.0222	LINC00882	coding RNA 882 DIX domain	-2.09
TC11001002.hg.1	7.25	8.32	0.0003	0.0118	DIXDC1	containing 1	-2.1
TC05000851.hg.1	4.06	5.13	0.0029	0.0366	MIR1294	microRNA 1294	-2.1
TC05001472.hg.1	6.22	7.29	0.0033	0.0397	ANKRA2	ankyrin repeat, family A (RFXANK-like), 2	-2.11
TC01002905.hg.1	4.49	5.57	3.68E-06	0.002	MIR137; MIR1	microRNA 137; MIR137 host gene	-2.11
TC06000894.hg.1	4.82	5.9	0.0006	0.0158	WISP3	WNT1 inducible signaling pathway protein 3	-2.11
TC21000348.hg.1	4.48	5.56	0.0004	0.0135	LOC10192797	LOC101927973 uncharacterized	-2.11

TC03000193.hg.1	7.38	8.46	0.0046	0.0483 EXOG	endo/exonuclease (5-3), endonuclease G-like	-2.11
TC05000280.hg.1	10.78	11.86	0.0006	0.0156 ERBB2IP	erbb2 interacting protein	-2.11
TC09001542.hg.1	5.79	6.88	0.0027	0.0354 C5	complement component 5	-2.12
TC05000179.hg.1	12.85	13.93	0.0047	0.0484 OSMR	oncostatin M receptor	-2.12
TC09000879.hg.1	6	7.08	0.0014	0.0249 GLIS3	GLIS family zinc finger 3	-2.12
					neuroblastoma breakpoint family, member 1;	
					neuroblastoma breakpoint family, member	
TC01002271.hg.1	9.88	10.96	0.0009	0.0189 NBPF1; NBPF110		-2.12
					long intergenic non-protein	
TC05000080.hg.1	3.71	4.8	1.63E-06	0.0015 LINC01194	coding RNA 1194	-2.13
TC11000027.hg.1	12.71	13.8	0.0013	0.0241 TALDO1	transaldolase 1	-2.13
					family with sequence similarity 185,	
TC07000665.hg.1	6.34	7.43	0.0034	0.0406 FAM185A	member A	-2.13
					pecanex-like 4 (Drosophila)	
TC14000361.hg.1	10.05	11.15	0.0024	0.0337 PCNXL4		-2.14

TC19001153.hg.1	6.94	8.04	0.0015	0.0257 ZNF846	zinc finger protein 846	-2.14
TC12001569.hg.1	3.76	4.86	0.0034	0.0401 GPR84	G protein- coupled receptor 84	-2.14
TC15001001.hg.1	3.52	4.63	0.0019	0.0292 OR4F15	olfactory receptor, family 4, subfamily F, member 15	-2.16
TC07000754.hg.1	4.04	5.15	0.003	0.0377 POT1-AS1	POT1 antisense RNA 1	-2.16
TC09000601.hg.1	7.6	8.7	0.0001	0.0079 TLR4	toll-like receptor 4	-2.16
TC21000345.hg.1	12.48	13.59	8.62E-05	0.0064 ADAMTS1	ADAM metallopeptidase with thrombospondin type 1 motif 1 uncharacterized	-2.16
TC02003596.hg.1	5.47	6.58	0.0009	0.02 LOC10192816	LOC101928161	-2.16
TC11002136.hg.1	5.96	7.07	0.0005	0.0146 GAB2	GRB2-associated binding protein 2 uncharacterized	-2.16
TC19001913.hg.1	5.35	6.46	0.0043	0.0464 LOC10537248	LOC105372482	-2.16
TC08002626.hg.1	5.52	6.63	0.0001	0.0071 ZFPM2	zinc finger protein, FOG family member 2	-2.16
TC01002853.hg.1	7.97	9.08	0.0048	0.0495 RP11-302M6.2		-2.16
TC18000040.hg.1	5.72	6.84	0.0012	0.0231 MTCL1	microtubule crosslinking factor 1	-2.16

TC02001309.hg.1	6.81	7.92	0.0044	0.0471 STK36	serine/threonine kinase 36	-2.17
TC08001101.hg.1	3.99	5.11	0.0035	0.0413 LOC10192947	uncharacterized LOC101929470	-2.17
TC18000970.hg.1	3.72	4.84	9.31E-05	0.0066 LOC400655	uncharacterized LOC400655	-2.17
TC04001395.hg.1	4.58	5.7	8.28E-05	0.0063 UNC5C	unc-5 netrin receptor C	-2.17
TC10002485.hg.1	5.4	6.52	0.0019	0.029 CUBN	cubilin (intrinsic factor-cobalamin receptor)	-2.17
TC09001105.hg.1	6.01	7.13	0.0006	0.0155 GLIDR	glioblastoma down-regulated RNA	-2.18
TC03001666.hg.1	5.5	6.62	0.0038	0.0432 CCDC191	coiled-coil domain containing 191	-2.18
TC02000964.hg.1	7.54	8.66	0.0004	0.0125 TANC1	tetratricopeptide repeat, ankyrin repeat and coiled- coil containing 1	-2.18
TC10000986.hg.1	7.18	8.31	6.60E-07	0.0012 AKR1C2	aldo-keto reductase family 1, member C2	-2.18
TC10000801.hg.1	7.11	8.24	0.0007	0.017 DUSP5	dual specificity phosphatase 5	-2.18
TC10002637.hg.1	9.07	10.2	0.0012	0.0227 PARGP1	poly (ADP-ribose) glycohydrolase pseudogene 1	-2.18

TC15002195.hg.1	5.92	7.05	0.0045	0.0475	GABPB1-AS1	GABPB1 antisense RNA 1	-2.18
TC01000723.hg.1	9.49	10.62	0.0049	0.05	ROR1	receptor tyrosine kinase-like orphan receptor 1	-2.18
TC17002879.hg.1	5	6.13	0.0042	0.0459	EFCAB13	EF-hand calcium binding domain 13	-2.19
TC07001897.hg.1	6.54	7.67	0.0025	0.0346	DGKI	diacylglycerol kinase, iota fatty acid hydroxylase domain	-2.19
TC05001973.hg.1	5.86	7	0.0017	0.0273	FAXDC2	containing 2 matrix metalloproteinase	-2.2
TC16000454.hg.1	15.34	16.47	0.0014	0.0247	MMP2	2 transmembrane protein 88	-2.2
TC17000118.hg.1	4.74	5.88	0.0013	0.0234	TMEM88	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase	-2.2
TC03001594.hg.1	5.27	6.41	0.0045	0.0472	MTHFD2P1	pseudogene 1	-2.2
TC05003147.hg.1	6.44	7.58	0.0001	0.0068	NR2F1-AS1	NR2F1 antisense RNA 1	-2.21
TC03001999.hg.1	3.99	5.14	0.0013	0.0243	MIR569	microRNA 569	-2.21

TC04001827.hg.1	4.03	5.17	1.94E-05	0.0038	LOC339975	uncharacterized LOC339975	-2.21
TC05001596.hg.1	6.55	7.7	0.0008	0.0179	NR2F1-AS1	NR2F1 antisense RNA 1	-2.22
TC07000941.hg.1	9.55	10.71	0.0009	0.0201	TCAF1	TRPM8 channel- associated factor 1	-2.22
TC19001466.hg.1	5.67	6.82	0.0044	0.0468	LINC00665	long intergenic non-protein coding RNA 665	-2.22
TC11002289.hg.1	6.07	7.22	0.004	0.0445	CRYAB	crystallin alpha B uncharacterized	-2.22
TC0X001838.hg.1	4.31	5.47	0.0043	0.0462	LOC10192843	LOC101928437	-2.23
TC04001450.hg.1	9.96	11.12	0.0033	0.0396	TBCK	TBC1 domain containing kinase uncoupling protein 2 (mitochondrial, proton carrier)	-2.23
TC11002074.hg.1	4.68	5.84	5.04E-06	0.0022	UCP2		-2.24
TC14001000.hg.1	7.78	8.94	0.0008	0.0184	PRKD1	protein kinase D1	-2.24
TC07001548.hg.1	5.32	6.49	0.0042	0.0453	GSAP	gamma- secretase activating protein	-2.25
TC11002147.hg.1	6.71	7.88	0.0025	0.0343	MIR4300	microRNA 4300	-2.25

					angiogenin, ribonuclease, RNase A family, 5; ribonuclease,	
TC14000067.hg.1	7.04	8.21	9.30E-05	0.0066 ANG; RNASE4	RNase A family, 4 CDKN2B	-2.25
TC09002881.hg.1	4.71	5.88	0.0022	0.0321 CDKN2B-AS1	antisense RNA 1 ubiquitin conjugating	-2.25
TC07001858.hg.1	8.07	9.25	0.0011	0.0215 UBE2H	enzyme E2H phosphoglucomu	-2.26
TC11002081.hg.1	7.75	8.93	0.0041	0.0451 PGM2L1	tase 2-like 1 GVQW motif	-2.26
TC06002162.hg.1	7.17	8.35	0.0015	0.0254 GVQW2	containing 2 AT rich interactive domain 5B	-2.26
TC10000377.hg.1	10.32	11.51	0.0026	0.0349 ARID5B	(MRF1-like) brain expressed	-2.27
TC0X001233.hg.1	4.96	6.14	0.0012	0.0228 BEX1	X-linked 1 synuclein alpha interacting	-2.27
TC05000575.hg.1	5.1	6.29	0.0028	0.0363 SNCAIP	protein solute carrier family 44 (choline transporter),	-2.28
TC19000180.hg.1	9.92	11.1	0.0015	0.0261 SLC44A2	member 2 chromosome 11 open reading	-2.28
TC11000984.hg.1	5.15	6.34	0.001	0.0205 C11orf87	frame 87	-2.28
TC14000745.hg.1	6.41	7.6	0.0003	0.0113 MIR889	microRNA 889	-2.29

TC14001445.hg.1	4.98	6.17	0.0028	0.0359 ERVH-7	endogenous retrovirus group H, member 7	-2.29
TC01004870.hg.1	4.53	5.72	0.0046	0.048 MR1	major histocompatibilit y complex, class I- related	-2.29
TC01003974.hg.1	4.93	6.13	0.0003	0.0114 SIPA1L2	signal-induced proliferation- associated 1 like 2	-2.3
TC03002106.hg.1	9.24	10.45	0.0018	0.0287 P3H2	prolyl 3- hydroxylase 2	-2.3
TC01001066.hg.1	5.25	6.46	3.14E-05	0.0044 BX571672.3		-2.3
TC02000502.hg.1	5.43	6.63	8.38E-05	0.0063 TCF7L1	transcription factor 7-like 1 (T- cell specific, HMG-box) ST3 beta- galactoside alpha- 2,3- sialyltransferase	-2.31
TC02002049.hg.1	6.13	7.33	0.0021	0.031 ST3GAL5	5	-2.31
TC09000280.hg.1	4.23	5.44	0.0005	0.0148 LOC10192838	uncharacterized LOC101928381 multiple C2 domains, transmembrane	-2.31
TC15000930.hg.1	5.52	6.72	7.33E-05	0.0061 MCTP2	2 uncharacterized	-2.31
TC08000256.hg.1	7.34	8.54	0.0032	0.0389 LOC10537936	LOC105379362	-2.31
TC06002025.hg.1	11.23	12.44	0.0033	0.0399 LAMA4	laminin, alpha 4	-2.32

TC07002503.hg.1	7.3	8.51	0.0004	0.0131	FAM185A	family with sequence similarity 185, member A	-2.32
TC18000418.hg.1	7.63	8.84	0.0013	0.024	OSBPL1A	oxysterol binding protein-like 1A	-2.32
TC0X000087.hg.1	7.33	8.55	0.0043	0.0463	SCML1	sex comb on midleg-like 1 (Drosophila)	-2.33
TC07000778.hg.1	5	6.22	0.0022	0.0317	FAM71F2	family with sequence similarity 71, member F2	-2.33
TC06003936.hg.1	4.91	6.14	0.0005	0.015	TFB1M	transcription factor B1, mitochondrial	-2.33
TC13000431.hg.1	6.92	8.14	0.0026	0.0349	GAS6-AS2	GAS6 antisense RNA 2 (head to head)	-2.33
TC04000406.hg.1	3.89	5.11	0.0018	0.0288	LOC728040	hCG1813624	-2.34
TC0X000863.hg.1	5.7	6.93	0.0002	0.0099	TLR8-AS1	TLR8 antisense RNA 1	-2.34
TC02005046.hg.1	5.4	6.63	0.0028	0.0363	LOC10013069	uncharacterized	-2.34
TC02002613.hg.1	5.31	6.54	0.001	0.0211	MIR3129	LOC100130691 microRNA 3129	-2.34

					ArfGAP with GTPase domain, ankyrin repeat and PH domain 4; poly (ADP- ribose) glycohydrolase; poly (ADP-ribose) glycohydrolase	
TC10001279.hg.1	8.2	9.43	0.0027	0.0356 AGAP4; PARG	pseudogene 1 bone marrow stromal cell	-2.35
TC04002929.hg.1	7.2	8.43	0.0022	0.0317 BST1	antigen 1 spermatogenesis	-2.35
TC14000532.hg.1	5.8	7.03	0.0014	0.0252 SPATA7	associated 7	-2.35
TC15002608.hg.1	9.86	11.1	0.0017	0.0278 MYO9A	myosin IXA	-2.35
TC13000123.hg.1	4.64	5.88	0.0005	0.0152 SPG20-AS1	SPG20 antisense RNA 1	-2.35
					aldo-keto reductase family 1, member B10 (aldose reductase)	
TC07002600.hg.1	5.56	6.79	0.0008	0.0185 AKR1B10		-2.35
TC03000886.hg.1	5.45	6.69	0.0023	0.0326 MIR720	microRNA 720	-2.36
TC0X001103.hg.1	6.42	7.65	6.59E-05	0.0058 OPHN1	oligophrenin 1	-2.36
TC03001979.hg.1	4.95	6.19	2.75E-05	0.0042 MECOM	MDS1 and EVI1 complex locus	-2.36
					HOXA transcript antisense RNA, myeloid-specific	
TC07002209.hg.1	7.07	8.3	3.10E-05	0.0044 HOTAIRM1	1	-2.36

TC09002929.hg.1	6.05	7.29	0.0028	0.0363 KDM4C	lysine (K)-specific demethylase 4C	-2.37
TC06002356.hg.1	4.26	5.51	0.0016	0.0266 OR2J2	olfactory receptor, family 2, subfamily J, member 2	-2.37
TC07000834.hg.1	5.29	6.54	0.001	0.0205 AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	-2.37
TC08000123.hg.1	6.48	7.73	0.0006	0.0154 MICU3	mitochondrial calcium uptake family, member 3	-2.37
TC03001625.hg.1	4.42	5.67	0.0017	0.0276 LINC00882	long intergenic non-protein coding RNA 882	-2.37
TC02000711.hg.1	12.74	14	0.0004	0.012 SLC20A1	solute carrier family 20 (phosphate transporter), member 1	-2.38
TC12002905.hg.1	6.16	7.41	0.0017	0.0273 ITGA7	integrin alpha 7	-2.38
TC14000386.hg.1	5.23	6.49	0.0004	0.0132 SYNE2	spectrin repeat containing, nuclear envelope 2	-2.4
TC04002680.hg.1	11.77	13.05	0.0021	0.0315 CAMK2D	calcium/calmodulin-dependent protein kinase II delta	-2.42

TC04001595.hg.1	5.37	6.64	0.0029	0.0371	RNF150	ring finger protein 150	-2.42
TC01005196.hg.1	7.76	9.04	0.0023	0.0326	LOC10028806	uncharacterized LOC100288069 erythrocyte membrane	-2.43
TC01000394.hg.1	6.21	7.49	0.001	0.0205	EPB41	protein band 4.1	-2.43
TC07002886.hg.1	3.98	5.26	8.64E-08	0.0004	TBX20	T-box 20	-2.43
TC0X001219.hg.1	8.86	10.14	0.0041	0.0449	GLA	galactosidase, alpha	-2.43
TC19000128.hg.1	7.65	8.93	0.0001	0.0079	MCOLN1	mucolipin 1	-2.43
TC03002724.hg.1	6.16	7.44	0.002	0.0308	CCDC50	coiled-coil domain containing 50 deiodinase, iodothyronine,	-2.44
TC14001364.hg.1	4.27	5.55	1.79E-05	0.0036	DIO2	type II nephronophthisis	-2.44
TC03003342.hg.1	8.13	9.41	0.0003	0.0117	NPHP3	3 (adolescent) phosphorylase kinase, alpha 1	-2.44
TC0X001143.hg.1	5.65	6.94	0.0002	0.0088	PHKA1	(muscle) zinc finger CCCH- type containing	-2.45
TC11000985.hg.1	5.9	7.19	0.0042	0.0454	ZC3H12C	12C family with sequence similarity 65,	-2.46
TC06001329.hg.1	4.18	5.47	3.19E-07	0.0009	FAM65B	member B uncharacterized	-2.46
TC08002596.hg.1	6.11	7.41	0.0009	0.0193	LOC10050699	LOC100506990 transmembrane	-2.46
TC07000840.hg.1	5.62	6.94	0.0031	0.0385	TMEM140	protein 140	-2.49

					long intergenic non-protein	
TC0X000719.hg.1	4.38	5.7	0.0002	0.0097 LINC00894	coding RNA 894	-2.49
					uncharacterized	
TC09000249.hg.1	4.18	5.5	0.0004	0.0136 LOC10192838	LOC101928381	-2.49
					uncharacterized	
TC09001179.hg.1	4.18	5.5	0.0004	0.0136 LOC10192838	LOC101928381	-2.49
					uncharacterized	
TC11000699.hg.1	3.92	5.23	0.0017	0.0273 LOC10536936	LOC105369360	-2.49
					5- hydroxytryptami ne (serotonin) receptor 1D, G protein-coupled aminopeptidase puromycin sensitive	
TC01002337.hg.1	3.66	4.98	1.70E-05	0.0035 HTR1D		-2.5
TC17002605.hg.1	11.15	12.48	0.0017	0.0277 LOC440434	pseudogene SLC16A1	-2.5
TC01004636.hg.1	5.52	6.85	0.0008	0.0185 SLC16A1-AS1	antisense RNA 1	-2.51
TC01002906.hg.1	3.25	4.58	9.77E-05	0.0066 MIR2682	microRNA 2682	-2.51
					plasminogen-like B1; plasminogen-	
TC02002061.hg.1	4.35	5.68	0.0015	0.0252 PLGLB1; PLGL like B2		-2.51
					major histocompatibilit y complex, class II, DQ beta 2	
TC06003419.hg.1	4.43	5.76	0.0004	0.0128 HLA-DQB2		-2.51
					long intergenic non-protein	
TC0X002345.hg.1	4.9	6.24	0.0019	0.0295 LINC00893	coding RNA 893	-2.53

TC0X002141.hg.1	6.37	7.71	0.0025	0.034	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6 leucine rich repeat containing	-2.53
TC04001193.hg.1	4.37	5.72	0.0015	0.0254	LRRC66	66 serine incorporator 5	-2.54
TC05003108.hg.1	8.07	9.42	0.0014	0.0251	SERINC5	CCDC18	-2.54
TC01002876.hg.1	5.96	7.3	0.0022	0.0317	CCDC18-AS1	antisense RNA 1 gap junction	-2.54
TC06000945.hg.1	13.98	15.33	0.0018	0.0289	GJA1	protein alpha 1 uncharacterized	-2.54
TC14001623.hg.1	3.2	4.55	7.48E-07	0.0012	LOC10272491	LOC102724917 par-3 family cell polarity regulator	-2.54
TC02001205.hg.1	5.52	6.87	0.0015	0.026	PARD3B	beta	-2.55
TC14000325.hg.1	7.59	8.95	0.0008	0.0178	FBXO34	F-box protein 34 CD46 molecule, complement regulatory	-2.55
TC01001741.hg.1	9.88	11.24	0.0024	0.0334	CD46	protein aquaporin 7	-2.56
TC09000250.hg.1	4.41	5.76	0.0013	0.0242	AQP7P3	pseudogene 3 regulator of G-protein signaling	-2.56
TC01001427.hg.1	12.16	13.52	0.0005	0.0138	RGS4	4	-2.56
TC13000555.hg.1	5.85	7.21	0.0021	0.0315	STARD13	StAR-related lipid transfer domain containing 13	-2.56

TC06003346.hg.1	4.47	5.83	0.0017	0.0277 LTB	lymphotoxin beta (TNF superfamily, member 3)	-2.56
TC11002609.hg.1	4.21	5.57	0.0035	0.041 BDNF-AS	BDNF antisense RNA	-2.56
TC16001879.hg.1	4.35	5.71	0.0036	0.0418 ADAM3B	ADAM metallopeptidase domain 3B (pseudogene)	-2.56
TC0X001912.hg.1	4.51	5.87	0.0005	0.0141 LINC00894	long intergenic non-protein coding RNA 894	-2.57
TC11001444.hg.1	6.34	7.7	0.0027	0.0353 CYP2R1	cytochrome P450, family 2, subfamily R, polypeptide 1	-2.57
TC06000890.hg.1	6.02	7.39	0.0026	0.0349 KIAA1919	KIAA1919	-2.57
TC02001388.hg.1	6.96	8.33	0.0009	0.0191 ARMC9	armadillo repeat containing 9	-2.58
TC07001460.hg.1	5.08	6.44	0.0005	0.0139 LINC00174	long intergenic non-protein coding RNA 174	-2.58
TC15002771.hg.1	5.47	6.84	0.004	0.0445 LOC283683	uncharacterized LOC283683	-2.58
TC07001761.hg.1	8.19	9.56	5.91E-05	0.0056 DOCK4	dedicator of cytokinesis 4	-2.59
TC10000155.hg.1	3.81	5.18	0.001	0.0206 LOC10013099	uncharacterized LOC100130992	-2.59
TC12002701.hg.1	6.06	7.44	0.0007	0.0172 LOC283357	uncharacterized LOC283357	-2.6

TC05001557.hg.1	7.92	9.3	0.004	0.0444 HAPLN1	hyaluronan and proteoglycan link protein 1	-2.6
TC12001599.hg.1	9.32	10.69	0.0041	0.0448 ANKRD52	ankyrin repeat domain 52	-2.6
TC16000267.hg.1	5.37	6.75	0.0017	0.028 LOC283887	uncharacterized LOC283887	-2.6
TC09001174.hg.1	4.3	5.68	0.0014	0.0243 LOC10192838	uncharacterized LOC101928381	-2.61
TC02002506.hg.1	4.77	6.15	0.004	0.044 CERS6-AS1	CERS6 antisense RNA 1	-2.61
TC17000235.hg.1	5.12	6.51	0.0035	0.0411 EPN2	epsin 2	-2.61
TC09002551.hg.1	4.01	5.4	0.0014	0.0252 AQP7P1	aquaporin 7 pseudogene 1	-2.62
TC03000932.hg.1	5.08	6.47	3.46E-05	0.0046 NLGN1	neurologin 1	-2.62
TC01000156.hg.1	7.49	8.88	0.0019	0.0295 VPS13D	vacuolar protein sorting 13 homolog D (S. cerevisiae)	-2.63
TC0X002165.hg.1	5.61	7.01	0.0026	0.0347 BEX1	brain expressed X-linked 1	-2.63
TC15002194.hg.1	4.05	5.45	0.0037	0.0422 DTWD1	DTW domain containing 1	-2.63
TC03000707.hg.1	10.54	11.94	4.43E-05	0.005 ATP2C1	ATPase, Ca++ transporting, type 2C, member 1	-2.64

					WAS protein homolog associated with actin, golgi membranes and microtubules	
TC15002469.hg.1	6.55	7.96	0.0047	0.0488 WHAMMP1	pseudogene 1	-2.64
					adenosine deaminase, RNA-specific, B1	
TC21000241.hg.1	6.22	7.63	4.70E-05	0.0051 ADARB1		-2.64
					dynein assembly factor with WDR repeat domains 1	
TC02001365.hg.1	5.31	6.71	0.0017	0.0273 DAW1		-2.65
TC19001711.hg.1	3.95	5.36	0.001	0.0203 MIR4324	microRNA 4324	-2.65
					TRAF3IP2	
TC06002995.hg.1	4.88	6.28	0.0004	0.0125 TRAF3IP2-AS1	antisense RNA 1	-2.65
					coiled-coil domain	
TC10000228.hg.1	5.2	6.61	0.0006	0.0155 CCDC7	containing 7 target of myb1 like 1 membrane trafficking	-2.65
					protein	
TC17000691.hg.1	8.6	10.01	0.0006	0.0155 TOM1L1	POU6F2	-2.66
					antisense RNA 2	
TC07001306.hg.1	3.75	5.16	0.0035	0.041 POU6F2-AS2		-2.66
					LIM domain containing preferred translocation	
TC03001038.hg.1	8.54	9.95	0.0003	0.0104 LPP	partner in lipoma	-2.66
TC08000965.hg.1	6	7.42	0.0004	0.0125 MIR598	microRNA 598	-2.66

TC01005106.hg.1	3.59	5	0.002	0.0301 DISC1	disrupted in schizophrenia 1 leucine-rich repeats and calponin homology (CH) domain	-2.67
TC03001110.hg.1	8.66	10.08	0.0012	0.0225 LRCH3	containing 3 retinoic acid	-2.68
TC03000131.hg.1	5.36	6.78	0.0015	0.0257 RARB	receptor, beta ERBB receptor feedback	-2.68
TC01002166.hg.1	12.8	14.23	0.0002	0.009 ERFI1	inhibitor 1 tetratricopeptide repeat and ankyrin repeat	-2.69
TC03001283.hg.1	6.07	7.5	0.0004	0.0131 TRANK1	containing 1 family with sequence similarity 157, member B	-2.69
TC09000857.hg.1	7.94	9.37	0.0025	0.034 FAM157B	interleukin 32	-2.69
TC16000099.hg.1	5.88	7.31	0.0001	0.0078 IL32	transmembrane protein 39A	-2.7
TC03002488.hg.1	6.01	7.45	0.0022	0.0318 TMEM39A	5-3 exoribonuclease	-2.71
TC03001851.hg.1	9.52	10.96	0.0033	0.0399 XRN1	1 adhesion G protein-coupled receptor L2	-2.71
TC01000800.hg.1	9.65	11.08	0.0012	0.0232 ADGRL2	succinyl-CoA:glutarate-CoA transferase	-2.71
TC07000255.hg.1	6.2	7.64	0.0017	0.0276 SUGCT		-2.71

TC18000383.hg.1	4.89	6.33	0.0018	0.0281	ZNF519	zinc finger protein 519	-2.71
TC12000622.hg.1	4.06	5.5	0.0016	0.0265	LOC100507333	uncharacterized LOC100507330	-2.71
TC06002076.hg.1	5.01	6.45	0.0026	0.0347	RNF217-AS1	RNF217 antisense RNA 1 (head to head)	-2.72
TC12001490.hg.1	8.15	9.6	0.0038	0.0432	CERS5	ceramide synthase 5	-2.72
TC15001092.hg.1	7.72	9.17	0.0006	0.0165	HERC2	HECT and RLD domain containing E3 ubiquitin protein ligase 2	-2.73
TC05003122.hg.1	14.48	15.93	0.0015	0.026	HAPLN1	hyaluronan and proteoglycan link protein 1	-2.73
TC03003253.hg.1	4.89	6.34	0.0026	0.0348	CRYGS	crystallin gamma S	-2.73
TC20000876.hg.1	4.14	5.59	0.0018	0.0281	SLPI	secretory leukocyte peptidase inhibitor	-2.73
TC17001828.hg.1	3.89	5.35	0.0015	0.0256	MIR4524A	microRNA 4524a	-2.74
TC08001023.hg.1	3.76	5.22	0.0028	0.036	CSGALNACT1	chondroitin sulfate N- acetylgalactosam inyltransferase 1	-2.74

					solute carrier family 7 (amino acid transporter light chain, y+L system), member 7	
TC14001926.hg.1	4.77	6.23	0.0003	0.0112 SLC7A7	7	-2.75
					spermatogenesis associated 3 chromodomain	
TC02003878.hg.1	4.25	5.72	0.0034	0.0404 SPATA3	associated 3 chromodomain	-2.76
TC16001294.hg.1	5.6	7.06	0.0036	0.0415 CDYL2	protein, Y-like 2	-2.76
TC01001663.hg.1	5.83	7.3	0.0003	0.0105 MIR1231	microRNA 1231	-2.77
					tumor necrosis factor receptor superfamily, member 19	
TC13000049.hg.1	6.37	7.84	0.0018	0.0285 TNFRSF19	member 19	-2.77
TC0X001326.hg.1	11.2	12.67	0.0006	0.0162 CUL4B	cullin 4B	-2.77
					acyl-CoA dehydrogenase family, member 11; NPHP3-ACAD11 readthrough	
TC03003341.hg.1	7.68	9.15	0.0005	0.0147 ACAD11; NPH (NMD candidate)	ACAD11; NPH (NMD candidate)	-2.78
TC12000685.hg.1	5.44	6.92	0.0004	0.0137 ALX1	ALX homeobox 1 trio Rho guanine nucleotide	-2.78
TC05002283.hg.1	10.94	12.41	0.0013	0.0236 TRIO	exchange factor	-2.78
TC10001146.hg.1	2.38	3.86	0.0006	0.0162 MIR938	microRNA 938	-2.79
TC11003298.hg.1	9.35	10.84	0.0025	0.0341 SESN3	sestrin 3	-2.79

					ubiquitin specific peptidase 32	
TC17002871.hg.1	5.18	6.67	0.0001	0.0078 USP32P1	pseudogene 1	-2.79
TC03001399.hg.1	4.17	5.66	5.18E-05	0.0053 QRICH1	glutamine-rich 1	-2.81
					plasminogen-like B1; plasminogen-	
TC02000538.hg.1	5.04	6.54	0.0016	0.0267 PLGLB1; PLGL like B2	EP400 N-terminal	-2.82
TC12002687.hg.1	5.53	7.03	0.0009	0.0196 EP400NL	like	-2.82
					CARD8 antisense	
TC19002189.hg.1	3.73	5.23	0.0037	0.0423 CARD8-AS1	RNA 1	-2.83

					neuroblastoma breakpoint family, member 9; neuroblastoma breakpoint family, member 15; neuroblastoma breakpoint family, member 14; neuroblastoma breakpoint family, member 20; neuroblastoma breakpoint family, member 1; neuroblastoma breakpoint family, member 10; neuroblastoma breakpoint family, member 19;	
TC01006431.hg.1	12.35	13.86	0.0021	0.0313 NBPF9; NBPF1	neuroblastoma WD repeat	-2.84
TC06002334.hg.1	3.95	5.46	0.0004	0.0129 WDR27	domain 27 hect domain and RLD 2	-2.85
TC16001061.hg.1	6.27	7.78	6.30E-05	0.0058 HERC2P4	pseudogene 4	-2.85

TC13000362.hg.1	7.83	9.34	0.0004	0.0133	PCCA	propionyl-CoA carboxylase alpha subunit doublecortin-like	-2.85
TC04000744.hg.1	6.81	8.32	0.001	0.021	DCLK2	kinase 2 uncharacterized	-2.85
TC07000511.hg.1	3.9	5.43	0.0035	0.0413	LOC10192735	LOC101927356	-2.88
TC06001920.hg.1	5.51	7.03	0.0013	0.0238	RP11-321N4.3		-2.88
TC13000103.hg.1	9.93	11.46	0.0002	0.0094	MEDAG	mesenteric estrogen- dependent adipogenesis uncharacterized	-2.88
TC18000572.hg.1	3.33	4.87	9.49E-05	0.0066	LOC400655	LOC400655	-2.9
TC04002474.hg.1	11.66	13.19	0.0047	0.0487	FBXL5	F-box and leucine- rich repeat protein 5 family with sequence similarity 41, member C	-2.9
TC01002075.hg.1	5.81	7.35	0.0019	0.0294	FAM41C		-2.91
TC03001088.hg.1	6.41	7.95	0.0008	0.0178	MIR570	microRNA 570 ubiquitin specific peptidase 32	-2.91
TC17002079.hg.1	5.79	7.33	4.35E-05	0.0049	USP32P1	pseudogene 1 decapping	-2.91
TC06003374.hg.1	4.84	6.38	0.0021	0.031	DXO	exoribonuclease transmembrane	-2.92
TC11002847.hg.1	5.41	6.95	0.001	0.0206	TMEM123	protein 123 uncharacterized	-2.92
TC10001934.hg.1	3.89	5.44	0.0002	0.0095	LOC10013099	LOC100130992	-2.92
TC14000720.hg.1	3.47	5.02	0.0017	0.028	MIR1197	microRNA 1197	-2.92

TC06002433.hg.1	4.7	6.25	0.0012	0.0228 LTA	lymphotoxin alpha beta-site APP- cleaving enzyme	-2.93
TC21000185.hg.1	6.84	8.39	0.0034	0.0403 BACE2	2	-2.93
TC06002403.hg.1	6.68	8.23	0.0011	0.0224 FOXC1	forkhead box C1 small ILF3/NF90- associated RNA A12; small ILF3/NF90- associated RNA	-2.94
TC19000686.hg.1	4.8	6.36	0.0038	0.0426 SNAR-A12; SNA13	small ILF3/NF90- associated RNA A13; small ILF3/NF90- associated RNA	-2.95
TC19000693.hg.1	4.8	6.36	0.0038	0.0426 SNAR-A13; SNA12	uncharacterized	-2.95
TC05000910.hg.1	4.53	6.09	0.0003	0.0104 LOC10254629	LOC102546299 keratin associated	-2.96
TC17002903.hg.1	7.61	9.17	0.0004	0.0131 KRTAP1-1	protein 1-1 DPY19L2	-2.96
TC07002885.hg.1	4.56	6.13	8.86E-07	0.0012 DPY19L2P1	pseudogene 1 uncharacterized	-2.96
TC14000186.hg.1	3.35	4.92	4.27E-06	0.0021 LOC10272491	LOC102724917 ANKH inorganic pyrophosphate transport	-2.96
TC05001172.hg.1	11.29	12.86	0.0019	0.0291 ANKH	regulator uncharacterized	-2.97
TC07003404.hg.1	5.48	7.05	0.0041	0.0452 LOC401320	LOC401320	-2.97

					cadherin 2, type 1, N-cadherin	
TC18000433.hg.1	12.24	13.81	0.0032	0.039 CDH2	(neuronal)	-2.97
TC08000252.hg.1	3.16	4.73	0.0022	0.0316 NRG1	neuregulin 1	-2.97
					glucocorticoid induced 1	
TC07003320.hg.1	5.53	7.1	0.0037	0.0425 GLCCI1	OTU	-2.97
					deubiquitinase	
TC15002124.hg.1	6.11	7.68	0.0015	0.0257 LOC10028863	7A pseudogene	-2.97
					hect domain and RLD 2	
TC16000390.hg.1	6.31	7.89	0.0001	0.0078 HERC2P4	pseudogene 4	-3
					uncharacterized	
TC15000140.hg.1	5.91	7.49	0.0012	0.0232 LOC10192904	LOC101929047	-3
					junction	
TC17002907.hg.1	5.74	7.32	8.78E-07	0.0012 JUP	plakoglobin	-3
					filamin binding	
TC01000197.hg.1	6.6	8.19	0.0024	0.0335 FBLIM1	LIM protein 1	-3.01
TC09000894.hg.1	4.92	6.51	0.0009	0.0191 KIAA2026	KIAA2026	-3.02
					ROR1 antisense	
TC01002739.hg.1	5.15	6.75	0.0024	0.0335 ROR1-AS1	RNA 1	-3.02
					long intergenic non-protein	
TC18000800.hg.1	3.1	4.7	8.72E-08	0.0004 LINC00470	coding RNA 470	-3.03
					long intergenic non-protein	
TC05000462.hg.1	4.29	5.9	0.0043	0.0461 LINC01554	coding RNA 1554	-3.04
					TBC1 domain family, member	
TC06002065.hg.1	6.29	7.89	0.0014	0.0248 TBC1D32	32	-3.04
					uncharacterized	
TC04002196.hg.1	4.57	6.18	0.0036	0.0418 LOC10050748	LOC100507487	-3.05

TC15002761.hg.1	5.88	7.49	0.0008	0.0187	OTU deubiquitinase LOC10028863 7A pseudogene	-3.05
TC07002006.hg.1	5.85	7.46	0.0016	0.0268	ZNF767P zinc finger family member 767, pseudogene	-3.05
TC18000280.hg.1	2.91	4.52	9.98E-09	0.0001	LINC00470 long intergenic non-protein coding RNA 470	-3.06
TC20001675.hg.1	5.12	6.74	0.0004	0.0127	PPP4R1L protein phosphatase 4, regulatory subunit 1-like (pseudogene)	-3.07
TC20000119.hg.1	5.16	6.78	0.0043	0.0465	RNY4P11 RNA, Ro- associated Y4 pseudogene 11	-3.08
TC03002720.hg.1	11	12.62	0.0002	0.008	LPP LIM domain containing preferred translocation partner in lipoma lipopolysaccharid e-induced TNF	-3.08
TC16000870.hg.1	6.75	8.37	0.0035	0.0411	LITAF factor uncharacterized	-3.08
TC11002137.hg.1	3.22	4.85	0.0024	0.0334	LOC10192886 LOC101928865 neuron navigator	-3.09
TC01001661.hg.1	11.77	13.4	0.0006	0.0155	NAV1 1 dual specificity	-3.1
TC12002249.hg.1	5.09	6.73	0.0025	0.0339	DUSP16 phosphatase 16	-3.11

TC12001663.hg.1	4.78	6.42	1.35E-05	0.0033 DPY19L2	dpy-19-like 2 (C. elegans)	-3.11
TC01000593.hg.1	3.81	5.45	0.002	0.0304 CYP4X1	cytochrome P450, family 4, subfamily X, polypeptide 1	-3.11
TC01004898.hg.1	8.84	10.47	0.0028	0.0362 PRG4	proteoglycan 4 long intergenic non-protein coding RNA 116	-3.11
TC02004493.hg.1	4	5.63	0.0033	0.0395 LINC00116	LOC101927257	-3.11
TC22000325.hg.1	4.16	5.8	0.0047	0.0489 LOC10192725	neuroblastoma breakpoint family, member 15; neuroblastoma breakpoint family, member 15;	-3.11
TC01001147.hg.1	11.95	13.6	0.001	0.0204 NBPF15; NBPF8	TLR8 antisense RNA 1	-3.12
TC0X001984.hg.1	5.55	7.2	0.0002	0.0099 TLR8-AS1	neuroblastoma breakpoint family, member 11; neuroblastoma breakpoint family, member 11;	-3.14
TC01006301.hg.1	10.97	12.62	0.0018	0.0285 NBPF11; NBPF8		-3.14

					aminopeptidase puromycin sensitive pseudogene; puromycin- sensitive aminopeptidase- like protein-like; TBC1 domain family member 3F-like; TBC1 domain family,	
TC17002899.hg.1	9.62	11.27	0.0003	0.0102	LOC440434; L member 3	-3.14
TC07000749.hg.1	3.15	4.81	5.30E-05	0.0053	HYAL4 hyaluronoglucos aminidase 4	-3.16
					potassium channel tetramerization domain	
TC05000791.hg.1	5.19	6.85	0.0005	0.0141	KCTD16 containing 16	-3.16
TC0Y000013.hg.1	5.7	7.37	0.0008	0.0181	CD99P1 CD99 molecule pseudogene 1	-3.16
					Rho GDP dissociation inhibitor (GDI)	
TC12001278.hg.1	5.41	7.08	7.35E-07	0.0012	ARHGDIB beta	-3.18
TC04000320.hg.1	8.33	10	0.0041	0.0452	TMEM165 transmembrane protein 165	-3.18
TC18000141.hg.1	5.18	6.85	0.0027	0.0356	DTNA dystrobrevin, alpha	-3.18
TC20000133.hg.1	5.7	7.38	0.0004	0.0135	RIN2 Ras and Rab interactor 2	-3.19

					procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	
TC03001866.hg.1	14.66	16.34	0.0021	0.0315 PLOD2		-3.2
TC02002484.hg.1	6.1	7.78	0.0008	0.018 FIGN	fidgetin	-3.21
TC07003189.hg.1	4.05	5.73	0.0002	0.009 NAG20	NAG20	-3.21
					uncharacterized	
TC05001386.hg.1	6.4	8.09	0.0008	0.0184 LOC10192860	LOC101928600	-3.22
					stromal antigen 3-like 3	
					(pseudogene);	
					stromal antigen 3-like 1	
					(pseudogene);	
					tripartite motif containing 73;	
					stromal antigen 3-like 2	
TC07001489.hg.1	7.21	8.9	0.0031	0.0382 STAG3L3; STA	(pseudogene)	-3.23
					regulatory factor X, 3 (influences HLA class II expression)	
TC09002383.hg.1	4.3	6	0.0026	0.035 RFX3		-3.24
					gamma-aminobutyric acid (GABA) A receptor, epsilon;	
					microRNA 452;	
TC0X001491.hg.1	7.13	8.83	0.0028	0.0361 GABRE; MIR41	microRNA 224	-3.24
					doublecortin-like	
TC04002263.hg.1	7.04	8.74	0.0011	0.0215 DCLK2	kinase 2	-3.24

TC020011111.hg.1	5.07	6.76	0.0028	0.0363 ANKAR	ankyrin and armadillo repeat containing TTN antisense	-3.25
TC02003716.hg.1	5.52	7.22	0.0044	0.0467 TTN-AS1	RNA 1	-3.25
TC13000779.hg.1	5.47	7.17	0.0002	0.0082 LINC00410	long intergenic non-protein coding RNA 410	-3.26
TC22000933.hg.1	4.29	5.99	0.0005	0.0139 DGCR5	DiGeorge syndrome critical region gene 5 (non-protein coding)	-3.27
TC16000916.hg.1	10.25	11.96	0.0003	0.0116 SMG1	SMG1 phosphatidylinosi tol 3-kinase-	-3.27
TC06000012.hg.1	6.51	8.22	0.0005	0.015 FOXC1	related kinase forkhead box C1	-3.27
TC01001919.hg.1	4.43	6.15	0.0006	0.0153 DISC1-IT1; LIN	DISC1 intronic transcript 1; long intergenic non- protein coding	-3.29
TC0X000818.hg.1	6.37	8.08	1.66E-05	0.0035 LOC10192820	LOC101928201 interleukin 1	-3.29
TC02002218.hg.1	4.3	6.03	5.89E-05	0.0056 IL1A	alpha Rho GTPase activating protein	-3.3
TC17000461.hg.1	7.32	9.05	5.43E-05	0.0054 ARHGAP23	23 zinc finger	-3.31
TC07003155.hg.1	6.1	7.83	0.0004	0.0125 ZNF800	protein 800	-3.32

TC17000794.hg.1	7.36	9.09	0.0025	0.034	PITPNC1	phosphatidylinosi tol transfer protein, cytoplasmic 1 chromodomain helicase DNA	-3.32
TC08000412.hg.1	4.88	6.61	3.80E-05	0.0048	CHD7	binding protein 7 PRKCA antisense	-3.32
TC17001811.hg.1	3.44	5.18	0.0044	0.0471	PRKCA-AS1	RNA 1	-3.32
TC04000437.hg.1	5.11	6.84	2.73E-06	0.0018	ANXA3	annexin A3 cilia and flagella	-3.32
TC12002526.hg.1	5.13	6.86	0.0036	0.0415	CFAP54	associated 54	-3.33
TC12001583.hg.1	5.24	6.98	0.0025	0.0339	ITGA7	integrin alpha 7 long intergenic non-protein coding RNA 1296; double homeobox A pseudogene 8; double homeobox A	-3.33
TC22000438.hg.1	10.47	12.21	0.0001	0.0075	LINC01296; D	pseudogene 10 HECT, UBA and WWE domain containing 1, E3 ubiquitin protein ligase	-3.34
TC0X001067.hg.1	11.17	12.92	0.0006	0.0158	HUWE1	chromodomain helicase DNA	-3.35
TC08001940.hg.1	4.92	6.67	1.95E-05	0.0038	CHD7	binding protein 7 uncharacterized	-3.35
TC01003527.hg.1	3.6	5.35	1.22E-05	0.0031	LOC10192867	LOC101928673	-3.37

TC13000563.hg.1	5.14	6.89	0.0026	0.0349	DCLK1	doublecortin-like kinase 1	-3.37
TC0X000013.hg.1	5.62	7.38	0.0022	0.0324	CD99P1	CD99 molecule pseudogene 1	-3.38
TC20000075.hg.1	5.12	6.88	0.0024	0.0333	RNU105B	RNA, U105B	-3.39
TC13000392.hg.1	7.58	9.34	0.0046	0.0479	COL4A2	small nucleolar collagen, type IV, alpha 2	-3.4
TC06002103.hg.1	5.01	6.78	0.0009	0.0197	SAMD3	sterile alpha motif domain containing 3 family with sequence similarity 87,	-3.41
TC01004116.hg.1	5.44	7.21	0.0012	0.0227	FAM87B	member B DTX2P1- UPK3BP1- PMS2P11 readthrough transcribed pseudogene; PMS1 homolog 2, mismatch repair system component	-3.41
TC07003311.hg.1	8.79	10.56	0.0042	0.0459	DTX2P1-UPK3	pseudogene 9 olfactory receptor, family 7, subfamily E, member 5	-3.41
TC11001770.hg.1	7.56	9.33	0.0002	0.0088	OR7E5P	pseudogene	-3.41

TC17000371.hg.1	6.47	8.24	0.0034	0.04 LRRC37B	leucine rich repeat containing 37B	-3.41
TC04001062.hg.1	6.32	8.1	0.0017	0.0277 LDB2	LIM domain binding 2	-3.44
TC05001614.hg.1	4.79	6.57	0.0002	0.0095 PCSK1	proprotein convertase subtilisin/kexin type 1	-3.44
TC10000810.hg.1	4.6	6.39	0.0006	0.0156 MIR548E	microRNA 548e	-3.45
TC15001596.hg.1	4.57	6.36	0.0029	0.037 ANP32A-IT1	ANP32A intronic transcript 1	-3.46
TC15000622.hg.1	9.25	11.05	0.0045	0.0474 SMAD3	SMAD family member 3	-3.47
TC01001136.hg.1	7.15	8.95	0.0008	0.018 RNVU1-3	RNA, variant U1 small nuclear 3	-3.49
TC04000712.hg.1	3.74	5.55	0.001	0.0202 SMAD1	SMAD family member 1	-3.5
TC17001554.hg.1	6.41	8.22	0.0049	0.0497 LOC10192976	uncharacterized LOC10192976	-3.5
TC06003310.hg.1	3.5	5.32	0.0024	0.0334 DHX16	DEAH (Asp-Glu-Ala-His) box polypeptide 16	-3.52
TC17001747.hg.1	4.51	6.33	2.53E-05	0.0041 MIR454	microRNA 454	-3.52
TC17000359.hg.1	4.24	6.06	6.44E-06	0.0025 DPRXP4	divergent-paired related homeobox pseudogene 4	-3.54
TC07001275.hg.1	4.72	6.55	5.41E-09	9.13E-05 DPY19L2P1	DPY19L2 pseudogene 1	-3.55

TC02001000.hg.1	3.87	5.7	0.0001	0.0071 DHRS9	dehydrogenase/reductase (SDR family) member 9	-3.56
TC14001006.hg.1	4	5.84	0.0016	0.0263 LOC100506071	uncharacterized LOC100506071 neuroblastoma breakpoint family, member 11; neuroblastoma breakpoint family, member 19; neuroblastoma breakpoint family, member	-3.57
TC01006367.hg.1	10.12	11.96	0.002	0.0301 NBPF11; NBPF8		-3.57
TC01004034.hg.1	6.69	8.53	0.0011	0.0217 LINC01347	long intergenic non-protein coding RNA 1347	-3.58
TC02000192.hg.1	7.2	9.04	0.0009	0.0199 CLIP4	CAP-GLY domain containing linker protein family, member 4	-3.59
TC02001431.hg.1	3.93	5.78	0.0012	0.0227 AGAP1-IT1	AGAP1 intronic transcript 1	-3.6
TC01001758.hg.1	6.88	8.73	0.0009	0.019 TRAF5	TNF receptor-associated factor 5	-3.61

TC20000708.hg.1	6.35	8.2	0.0009	0.0191	NAPB	N-ethylmaleimide-sensitive factor attachment protein, beta	-3.61
TC21000165.hg.1	2.76	4.62	0.0003	0.0102	DSCR8	Down syndrome critical region 8	-3.62
TC17000360.hg.1	8.36	10.22	0.0003	0.0114	LOC400590	uncharacterized LOC400590	-3.63
TC06003993.hg.1	3.73	5.6	0.002	0.0305	LINC00473	long intergenic non-protein coding RNA 473	-3.63
TC15001544.hg.1	7.72	9.59	0.0047	0.0489	HERC1	HECT and RLD domain containing E3 ubiquitin protein ligase family member 1	-3.65
TC16001980.hg.1	5.46	7.34	0.0003	0.0111	CDYL2	chromodomain protein, Y-like 2	-3.67
TC14000716.hg.1	3.1	4.99	0.0008	0.0187	MIR411	microRNA 411	-3.69

					TBC1 domain family, member 3C; TBC1 domain family, member 3H; TBC1 domain family, member 3L; TBC1 domain family, member 3; TBC1 domain family, member 3E; TBC1 domain family, member 3G; TBC1 domain family, member	
TC17001391.hg.1	5.08	6.96	0.0041	0.0451	TBC1D3C; TBC3F phosphodiesterase 3A, cGMP-inhibited	-3.69
TC12002281.hg.1	4.36	6.24	0.0004	0.0131	PDE3A INO80 complex	-3.7
TC18000455.hg.1	6.55	8.44	0.0003	0.0112	INO80C subunit C pleckstrin homology-like domain, family B, member 2	-3.7
TC03003362.hg.1	8.71	10.6	0.0014	0.0251	PHLDB2 RNA, Ro-associated Y4	-3.7
TC02002070.hg.1	5.05	6.94	0.0035	0.0412	RNY4P15 pseudogene 15	-3.7

					chromosome 9 open reading frame 3; microRNA 24-1; microRNA 23b; microRNA 27b;	
TC09000467.hg.1	5.86	7.75	0.0003	0.011 C9orf3; MIR24	microRNA 3074	-3.7
TC12000183.hg.1	4.4	6.29	0.0001	0.0075 LOC10050631	LOC100506314 UBAC2 intronic transcript 1 (non-	-3.71
TC13000353.hg.1	5.75	7.64	5.74E-05	0.0056 UBAC2-IT1; R	protein coding) lymphotoxin beta (TNF superfamily, member 3) uncharacterized	-3.71
TC06003362.hg.1	3.12	5.01	0.0008	0.0181 LTB	uncharacterized	-3.71
TC01003136.hg.1	4.08	5.97	0.0002	0.0093 LOC10192746	LOC101927468 uncharacterized	-3.71
TC02002050.hg.1	6.63	8.53	0.0017	0.0273 LOC90784	LOC90784 transmembrane and tetratricopeptide repeat containing	-3.72
TC12001350.hg.1	7.03	8.92	0.0047	0.0489 TMTC1	1	-3.73
TC08000934.hg.1	4.35	6.25	0.0033	0.0399 MIR548I3	microRNA 548i-3	-3.74
TC08001022.hg.1	4.71	6.61	0.0015	0.0255 CSGALNACT1	chondroitin sulfate N- acetylgalactosam inyltransferase 1	-3.74

TC14001956.hg.1	4.47	6.38	0.0022	0.0324	LOC100506071	uncharacterized PMS1 homolog 2, mismatch repair system component pseudogene 2; PMS1 homolog 2, mismatch repair system component pseudogene 1; PMS1 homolog 2, mismatch repair system component pseudogene 5; PMS1 homolog 2, mismatch repair system component	-3.74
TC07000432.hg.1	9.34	11.25	0.0016	0.0263	PMS2P2; PMS	pseudogene 10 long intergenic non-protein	-3.76
TC10000257.hg.1	8.92	10.83	0.0013	0.0235	LINC00999	coding RNA 999 distal-less	-3.76
TC07001627.hg.1	4.32	6.23	0.001	0.0212	DLX5	homeobox 5 long intergenic non-protein	-3.77
TC21000132.hg.1	4.53	6.45	7.84E-06	0.0026	LINC00649	coding RNA 649	-3.77
TC01000626.hg.1	5.55	7.47	0.0002	0.0085	RP11-296A18.7		-3.78
TC05001898.hg.1	5.03	6.95	0.0034	0.0401	PLAC8L1	PLAC8-like 1	-3.78

					LHX4 antisense RNA 1; acyl-CoA binding domain	
TC01006384.hg.1	4.45	6.37	0.0002	0.0084	LHX4-AS1; AC containing 6 uncharacterized	-3.78
TC07001561.hg.1	4.15	6.08	8.95E-06	0.0027	LOC10012831 LOC100128317 cilia and flagella	-3.8
TC12003306.hg.1	5.04	6.98	0.0029	0.0367	CFAP54 associated 54 neuron navigator	-3.81
TC11000252.hg.1	7.35	9.28	0.0014	0.0249	NAV2 2	-3.82
TC09000143.hg.1	3.77	5.7	0.0012	0.0227	ANKRD18B ankyrin repeat domain 18B	-3.83
TC19002397.hg.1	4.14	6.08	0.0035	0.0411	ZNF43 zinc finger protein 43	-3.83
TC17001762.hg.1	2.97	4.91	0.0013	0.0236	SCARNA20 small Cajal body- specific RNA 20	-3.83
TC19000962.hg.1	4.5	6.44	0.0039	0.0439	LOC10041984 zinc finger protein 446 pseudogene	-3.84
TC04001200.hg.1	3.31	5.26	0.0002	0.0084	RPL21P44 ribosomal protein L21 pseudogene 44	-3.85
TC08000755.hg.1	5.76	7.7	0.0001	0.0068	MIR1207 microRNA 1207	-3.85
TC10000889.hg.1	11.28	13.23	3.60E-05	0.0047	HTRA1 HtrA serine peptidase 1	-3.87
TC20001464.hg.1	3.79	5.74	0.0003	0.0106	RALGAPA2 Ral GTPase activating protein, alpha subunit 2 (catalytic)	-3.87

					stromal antigen 3-like 1 (pseudogene); stromal antigen 3-like 3 (pseudogene); stromal antigen 3-like 2	
TC07003331.hg.1	7.58	9.54	0.0039	0.0438 STAG3L1; STA	(pseudogene)	-3.89
TC21000785.hg.1	7.02	8.98	4.90E-05	0.0052 ADARB1	adenosine deaminase, RNA-specific, B1	-3.89
TC01005184.hg.1	5.48	7.44	0.0017	0.0275 LOC729737	uncharacterized LOC729737	-3.9
TC07000159.hg.1	5.41	7.37	1.36E-05	0.0033 NFE2L3	nuclear factor, erythroid 2-like 3	-3.9
TC02001857.hg.1	5.63	7.59	0.0026	0.0347 CLHC1	clathrin heavy chain linker domain containing 1	-3.9
TC03001990.hg.1	4.68	6.65	0.0007	0.0169 PHC3	polyhomeotic homolog 3 (Drosophila)	-3.91
TC08000902.hg.1	4.33	6.3	0.0005	0.0143 ANGPT2	angiopoietin 2	-3.92
TC02002675.hg.1	5.43	7.4	0.0009	0.0198 ALS2CR11	amyotrophic lateral sclerosis 2 chromosome region candidate 11	-3.94
TC09000566.hg.1	4.38	6.36	0.0026	0.035 HSDL2	hydroxysteroid dehydrogenase like 2	-3.94

TC12000811.hg.1	3.98	5.96	0.0005	0.0141 EID3	EP300 interacting inhibitor of differentiation 3	-3.94
TC07000210.hg.1	5.27	7.25	0.0021	0.0316 LINC00997	long intergenic non-protein coding RNA 997	-3.94
TC12000208.hg.1	3.95	5.93	0.0012	0.0225 MGST1	microsomal glutathione S-transferase 1	-3.95
TC01001095.hg.1	6.1	8.08	0.0002	0.0095 ITGA10	integrin alpha 10	-3.96
TC13000122.hg.1	3.71	5.69	0.0001	0.0079 RNU6-71P	RNA, U6 small nuclear 71, pseudogene	-3.96
TC16001773.hg.1	7.79	9.78	0.0048	0.0497 LITAF	lipopolysaccharide-induced TNF factor	-3.96
TC03000429.hg.1	5.13	7.12	0.0024	0.0339 EBLN2	endogenous Bornavirus-like nucleoprotein 2	-3.97
TC06000655.hg.1	7.26	9.25	4.53E-05	0.005 EFHC1	EF-hand domain (C-terminal) containing 1	-3.98
TC05002708.hg.1	7.55	9.55	0.0024	0.0338 SGCD	sarcoglycan delta	-3.98
TC05000998.hg.1	5.78	7.78	0.0001	0.0077 MIR1271	microRNA 1271	-3.99
TC19002317.hg.1	6.5	8.5	0.003	0.0373 HNRNPM	heterogeneous nuclear ribonucleoprotein M	-4.01
TC02002656.hg.1	6.41	8.42	9.71E-05	0.0066 SATB2	SATB homeobox 2	-4.03

TC14000777.hg.1	11.52	13.54	0.0036	0.0418	DYNC1H1	dynein, cytoplasmic 1, heavy chain 1 ribosomal protein S15a	-4.07
TC01005444.hg.1	4.6	6.62	0.0002	0.0092	RPS15AP10	pseudogene 10	-4.07
TC06002312.hg.1	3.2	5.23	0.0007	0.0169	MIR3939	microRNA 3939	-4.08
TC03001252.hg.1	5.02	7.05	0.0004	0.013	NEK10	kinase 10	-4.09
TC12001942.hg.1	3.2	5.24	9.99E-05	0.0068	MIR619	microRNA 619	-4.1
TC0X000540.hg.1	4.45	6.5	0.0004	0.0134	MIR3978	microRNA 3978	-4.12
TC02000286.hg.1	9.24	11.29	0.0003	0.0103	SOCS5	suppressor of cytokine signaling 5	-4.13
TC22000440.hg.1	7.78	9.84	0.0005	0.0152	DUXAP10	double homeobox A pseudogene 10	-4.16
TC07000815.hg.1	7	9.07	7.97E-05	0.0063	MEST	mesoderm specific transcript	-4.2
TC02000792.hg.1	3.77	5.84	0.0034	0.0406	LOC10192788	LOC101927881 uncharacterized	-4.21
TC1_gl000192_random000	3.88	5.96	0.0005	0.0144	LOC10192746	LOC101927468 potassium channel tetramerization domain	-4.21
TC05002678.hg.1	4.42	6.5	0.0002	0.009	KCTD16	containing 16 natriuretic peptide receptor	-4.24
TC09000195.hg.1	7.06	9.14	0.0045	0.0478	NPR2	2	-4.24

TC15000400.hg.1	3.86	5.95	0.0003	0.0117 DCAF13P3	DDB1 and CUL4 associated factor 13 pseudogene 3 uncharacterized LOC729737;	-4.24
TC01002053.hg.1	5.98	8.07	0.0024	0.0337 LOC729737; L	uncharacterized LOC101929819 trafficking protein particle complex 12	-4.24
TC02002997.hg.1	4.14	6.23	0.0008	0.0186 TRAPPC12	FGFR1 oncogene partner 2	-4.25
TC12002351.hg.1	4.42	6.51	0.0006	0.0158 LOC10033503	pseudogene pleiomorphic	-4.25
TC08001231.hg.1	4.76	6.85	0.0039	0.0435 PLAG1	adenoma gene 1	-4.25
TC19001345.hg.1	5.01	7.1	0.0046	0.048 MIR1270	microRNA 1270	-4.26
TC19001346.hg.1	5.01	7.1	0.0046	0.048 MIR1270	microRNA 1270	-4.26
TC05001527.hg.1	7.49	9.59	0.0002	0.0083 SERINC5	serine incorporator 5	-4.27
TC01005973.hg.1	4.39	6.49	0.0018	0.0282 LHX4-AS1	LHX4 antisense RNA 1	-4.28
TC16000570.hg.1	9.84	11.94	0.0025	0.034 NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive	-4.3
TC01001213.hg.1	2.83	4.93	0.0001	0.0068 MIR554	microRNA 554 uncharacterized	-4.31
TC03001729.hg.1	4.93	7.04	0.0001	0.0079 LOC10192705	LOC101927056	-4.32
TC07001870.hg.1	3.87	5.99	0.0031	0.0383 MIR29B1	microRNA 29b-1	-4.35

TC10001341.hg.1	9.84	11.97	0.0007	0.0175	HERC4	HECT and RLD domain containing E3 ubiquitin protein ligase 4	-4.37
TC14001038.hg.1	7.79	9.93	0.0003	0.0111	RALGAPA1	Ral GTPase activating protein, alpha subunit 1 (catalytic)	-4.38
TC02002219.hg.1	4.75	6.89	0.0043	0.0464	IL1B	interleukin 1 beta	-4.39
TC08000713.hg.1	4.97	7.11	0.0041	0.0449	RNY4P5	RNA, Ro-associated Y4 pseudogene 5	-4.4
TC14001907.hg.1	8.03	10.17	8.04E-05	0.0063	LINC01296	long intergenic non-protein coding RNA 1296	-4.4
TC06000999.hg.1	4.57	6.71	1.85E-05	0.0037	EYA4	EYA transcriptional coactivator and phosphatase 4	-4.4
TC17000255.hg.1	3.56	5.7	0.0004	0.012	USP32P2	ubiquitin specific peptidase 32 pseudogene 2	-4.41
TC06001011.hg.1	5.12	7.26	0.0015	0.0261	MIR548A2	microRNA 548a-2	-4.41
TC06003169.hg.1	4.2	6.34	0.0017	0.0274	LOC729603	calcineurin-like EF-hand protein 1 pseudogene	-4.42

TC16001828.hg.1	8.55	10.69	0.0007	0.0178 CLN3	ceroid-lipofuscinosis, neuronal 3	-4.42
TC15001317.hg.1	5.18	7.32	0.0004	0.0131 RNU7-5P	RNA, U7 small nuclear 5	-4.42
TC02004500.hg.1	7.59	9.74	0.0013	0.0238 RGPD6	pseudogene RANBP2-like and GRIP domain	-4.43
TC05003449.hg.1	5.55	7.69	0.0002	0.0083 LOC646652	containing 6 integral membrane	-4.44
TC17000361.hg.1	7.9	10.06	4.38E-05	0.0049 LOC400590	glycoprotein-like uncharacterized	-4.45
TC01000734.hg.1	5.05	7.22	0.001	0.0208 SGIP1	LOC400590 SH3-domain GRB2-like (endophilin) interacting	-4.5
TC17000257.hg.1	6.73	8.91	7.94E-05	0.0063 USP32P3	protein 1 ubiquitin specific peptidase 32	-4.52
TC17002236.hg.1	5.93	8.11	0.0001	0.0078 LRRC37A4P	pseudogene 3 leucine rich repeat containing 37, member A4,	-4.53
TC10000796.hg.1	6.21	8.39	0.003	0.0378 RNU4-5P	RNA, U4 small nuclear 5, pseudogene	-4.53

TC12001914.hg.1	3.7	5.88	2.93E-05	0.0043	KCCAT198	renal clear cell carcinoma-associated transcript 198 EF-hand domain (C-terminal)	-4.54
TC06002829.hg.1	7.63	9.82	3.99E-05	0.0049	EFHC1	containing 1	-4.54
TC01005143.hg.1	4.91	7.09	0.0002	0.0101	FMN2	formin 2	-4.55
						PMS1 homolog 2, mismatch repair system component pseudogene 2; PMS1 homolog 2, mismatch repair system component pseudogene 6; PMS1 homolog 2, mismatch repair system component pseudogene 1; PMS1 homolog 2, mismatch repair system component pseudogene 5; PMS1 homolog 2, mismatch repair system component	
TC07001518.hg.1	8.81	11	0.0023	0.0327	PMS2P2; PMS	pseudogene 10	-4.55

TC03000180.hg.1	5.04	7.23	0.0016	0.0264	C3orf35	chromosome 3 open reading frame 35	-4.57
TC04000501.hg.1	9.83	12.02	0.0033	0.0396	PDLIM5	PDZ and LIM domain 5	-4.57
TC07000075.hg.1	8.24	10.43	0.0002	0.0089	C1GALT1	core 1 synthase, glycoprotein-N- acetylgalactosam ine 3-beta- galactosyltransfe rase 1	-4.58
TC12000373.hg.1	4.27	6.47	0.0003	0.0109	LOC10033503	FGFR1 oncogene partner 2 pseudogene	-4.6
TC07002540.hg.1	5.04	7.24	0.001	0.0206	ST7-OT4	ST7 overlapping transcript 4	-4.6
TC06003543.hg.1	6.3	8.5	0.0001	0.0076	GUSBP3	glucuronidase, beta pseudogene 3	-4.6
TC06003331.hg.1	5.25	7.45	0.0012	0.0225	HLA-C	major histocompatibilit y complex, class I, C	-4.61
TC14000026.hg.1	7.45	9.66	0.0001	0.007	DUXAP10; LIN	double homeobox A pseudogene 10; long intergenic non-protein coding RNA 1296	-4.62
TC15002476.hg.1	7.72	9.93	0.0017	0.0273	GOLGA8A	golgin A8 family, member A	-4.63
TC01001603.hg.1	7.77	9.98	0.0029	0.0367	PRG4	proteoglycan 4	-4.64

TC07000596.hg.1	4.84	7.06	0.0002	0.0099 ZNF789	zinc finger protein 789	-4.67
TC04002208.hg.1	3.92	6.14	0.0021	0.0314 PCDH10	protocadherin 10	-4.67
TC13000865.hg.1	4.53	6.76	0.0044	0.0472 MIR1267	microRNA 1267	-4.68
TC10000348.hg.1	2.62	4.86	0.0046	0.0483 MIR605	microRNA 605	-4.7
TC10002134.hg.1	4.88	7.12	0.0002	0.0084 LOC10192916	uncharacterized LOC101929165	-4.7
TC02002365.hg.1	6.01	8.25	0.0003	0.011 NCKAP5	NCK-associated protein 5	-4.74
TC07000294.hg.1	3.98	6.22	3.01E-06	0.0018 IGFBP1	insulin like growth factor binding protein 1	-4.74
TC01000904.hg.1	8.59	10.84	6.56E-05	0.0058 VCAM1	vascular cell adhesion molecule 1	-4.76
TC01004676.hg.1	8.96	11.21	0.0003	0.0115 EMBP1	embigin pseudogene 1	-4.77
TC11000725.hg.1	4.21	6.47	6.61E-05	0.0058 MIR548K	microRNA 548k	-4.77
TC03001727.hg.1	4.52	6.78	0.0009	0.0196 MIR548I1	microRNA 548i-1	-4.78
TC12001978.hg.1	6.27	8.53	0.0002	0.0095 HECTD4	HECT domain containing E3 ubiquitin protein ligase 4	-4.78
TC10002961.hg.1	6.18	8.45	0.0022	0.0324 NSUN6	NOP2/Sun domain family, member 6	-4.81

					neuroblastoma breakpoint family, member 9; neuroblastoma breakpoint family, member 15; neuroblastoma breakpoint family, member 14; neuroblastoma breakpoint family, member 20; neuroblastoma breakpoint family, member 1; neuroblastoma breakpoint family, member 10; neuroblastoma breakpoint family, member 19;	
TC01006430.hg.1	9.41	11.67	0.0002	0.0091	NBPF9; NBPF1neuroblastoma	-4.81

TC16000058.hg.1	6.04	8.31	0.0017	0.0274	SLC9A3R2	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 2	-4.81
TC06001860.hg.1	4.34	6.61	0.0012	0.0229	LINC00472	long intergenic non-protein coding RNA 472	-4.82
TC08000128.hg.1	5.11	7.38	0.0005	0.0145	PDGFRL	platelet-derived growth factor receptor-like	-4.82
TC04000664.hg.1	3.85	6.12	2.32E-05	0.004	PCDH10	protocadherin 10	-4.83
TC17001016.hg.1	13.52	15.79	0.0021	0.0316	ZZEF1	zinc finger, ZZ-type with EF-hand domain 1	-4.83
TC16000357.hg.1	3.42	5.7	4.00E-05	0.0049	SNORA30	small nucleolar RNA, H/ACA box 30	-4.84
TC05000619.hg.1	4.87	7.15	0.0012	0.0231	CHSY3	chondroitin sulfate synthase 3	-4.84

					long intergenic non-protein coding RNA 1296; double homeobox A pseudogene 10; double homeobox A	
TC14000857.hg.1	7.85	10.13	3.24E-05	0.0045	LINC01296; D	pseudogene 8 -4.84
TC12001676.hg.1	3.83	6.11	5.97E-05	0.0057	MIR548Z	microRNA 548z -4.85
TC02004598.hg.1	5.94	8.23	0.0001	0.0079	NCKAP5	NCK-associated protein 5 -4.87
TC04000747.hg.1	3.83	6.11	8.59E-07	0.0012	MAB21L2	mab-21-like 2 (C. elegans) -4.87
TC03003201.hg.1	2.81	5.1	0.0002	0.0095	MECOM	MDS1 and EVI1 complex locus -4.9
TC04002690.hg.1	7.4	9.7	0.0012	0.0234	LINC01061	long intergenic non-protein coding RNA 1061 -4.9
TC08001585.hg.1	4.24	6.54	0.0011	0.0224	MIR548AA1; †	microRNA 548aa- 1; microRNA 548d-1 -4.91
TC02001799.hg.1	15.78	18.08	5.94E-05	0.0056	MIR548AD	microRNA 548ad family with sequence similarity 87, -4.92
TC01000017.hg.1	5.62	7.92	9.25E-06	0.0027	FAM87B	member B ubiquitin specific peptidase 32 -4.93
TC17002893.hg.1	5.41	7.72	4.24E-05	0.0049	USP32P2	pseudogene 2 -4.93

TC08001097.hg.1	6.19	8.49	0.0007	0.0166 KIF13B	kinesin family member 13B	-4.93
TC06003647.hg.1	4.98	7.29	0.0035	0.041 USP49	ubiquitin specific peptidase 49	-4.94
TC09000035.hg.1	7.55	9.86	0.0043	0.046 JAK2	Janus kinase 2	-4.95
TC14001573.hg.1	8.29	10.6	1.18E-05	0.003 DUXAP10	double homeobox A pseudogene 10	-4.95
TC15002756.hg.1	8.06	10.37	0.0019	0.0292 GOLGA8A	golgin A8 family, member A	-4.96
TC11003006.hg.1	5.38	7.69	0.0044	0.0469 KCNQ1OT1	KCNQ1 opposite strand/antisense transcript 1 (non-protein coding)	-4.96
TC09002211.hg.1	4.43	6.75	0.0013	0.0235 PAPP A	pregnancy-associated plasma protein A, pappalysin 1	-5
TC14000419.hg.1	4.33	6.65	0.0003	0.0112 SMOC1	SPARC related modular calcium binding 1	-5.01
TC02000404.hg.1	5.5	7.83	0.0027	0.0352 MIR3126	microRNA 3126	-5.04
TC07001599.hg.1	7.04	9.37	0.0005	0.0144 MIR1285-1	microRNA 1285-1	-5.05
TC16001230.hg.1	7.5	9.84	0.0001	0.0076 SMG1P7	SMG1 pseudogene 7	-5.08
TC13000420.hg.1	4.22	6.57	0.0031	0.0383 CUL4A	cullin 4A	-5.09
TC04002636.hg.1	3.15	5.5	6.59E-05	0.0058 UNC5C	unc-5 netrin receptor C	-5.09
TC01002072.hg.1	8.83	11.19	0.0011	0.0223 LOC10028806	uncharacterized LOC100288069	-5.13

TC05000957.hg.1	3.96	6.32	0.002	0.03	SNORA74B	small nucleolar RNA, H/ACA box 74B	-5.13
TC11002382.hg.1	4.59	6.96	0.0042	0.0453	MIR125B1	microRNA 125b-1	-5.15
TC04000605.hg.1	9.07	11.44	0.002	0.0308	LOC729218	uncharacterized LOC729218	-5.16
TC17002870.hg.1	5.49	7.86	2.56E-05	0.0041	CCDC144A	coiled-coil domain containing 144A	-5.16
TC15002437.hg.1	8.58	10.95	0.0047	0.0487	HERC2P2	hect domain and RLD 2 pseudogene 2	-5.17
TC15002423.hg.1	8.43	10.79	0.0016	0.0263	HERC2P3	hect domain and RLD 2 pseudogene 3	-5.17
TC07001355.hg.1	10.26	12.64	0.0004	0.013	IGFBP3	insulin like growth factor binding protein 3	-5.2
TC0X000987.hg.1	5.71	8.09	0.0026	0.0349	FLJ25917; LOC100401585	uncharacterized LOC401585	-5.2
TC17000256.hg.1	3.77	6.16	0.0004	0.0127	FAM106CP; FAM106A	family with sequence similarity 106, member C pseudogene; family with sequence similarity 106, member A	-5.22
TC08001398.hg.1	4.66	7.05	0.0032	0.0389	LOC10192970	uncharacterized LOC10192970	-5.24
TC11002142.hg.1	3.69	6.08	0.0002	0.0094	MIR708	microRNA 708	-5.24

TC09000963.hg.1	3.57	5.96	0.001	0.0209 MIR31	microRNA 31	-5.24
TC04000182.hg.1	8.16	10.55	0.0008	0.018 TBC1D19	TBC1 domain family, member 19	-5.25
TC15000368.hg.1	4.33	6.73	0.0001	0.0075 SEMA6D	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	-5.27
TC14001091.hg.1	3.15	5.55	0.0002	0.0083 LINC00648	long intergenic non-protein coding RNA 648	-5.27
TC01001464.hg.1	4.2	6.6	0.0026	0.0349 MIR1255B2	microRNA 1255b- 2	-5.27
TC05000067.hg.1	8.72	11.12	1.62E-05	0.0035 SNORD123	small nucleolar RNA, C/D box 123	-5.28
TC01003778.hg.1	5.21	7.62	2.87E-05	0.0043 PLXNA2	plexin A2 chromodomain helicase DNA	-5.32
TC15002378.hg.1	9.4	11.82	0.0045	0.0476 CHD2	binding protein 2 coiled-coil domain containing 144C,	-5.33
TC17000254.hg.1	4.44	6.86	7.33E-05	0.0061 CCDC144CP	pseudogene lysosomal trafficking	-5.36
TC01003996.hg.1	5.73	8.15	0.0005	0.0151 LYST	regulator MIR181A1 host	-5.38
TC01003670.hg.1	5.06	7.49	0.002	0.0307 MIR181A1HG	gene	-5.4

					membrane associated guanylate kinase, WW and PDZ domain	
TC03001529.hg.1	4.19	6.63	0.0001	0.0069 MAGI1	containing 1 interferon-induced protein	-5.41
TC01000794.hg.1	6.12	8.56	0.0037	0.0424 IFI44L	44-like family with sequence similarity 157, member A; long intergenic non-protein coding	-5.42
TC03003371.hg.1	9.01	11.45	0.0013	0.0235 FAM157A; LIN RNA 1061	vacuolar protein sorting 13 homolog B (yeast)	-5.43
TC08000608.hg.1	8.06	10.5	0.0024	0.0333 VPS13B	golgin A8 family, member B; golgin A8 family, member A	-5.44
TC15002757.hg.1	7.55	10	0.0013	0.0242 GOLGA8B; GC	baculoviral IAP repeat containing 6	-5.45
TC02000213.hg.1	9.11	11.57	0.0018	0.0282 BIRC6	EYA transcriptional coactivator and phosphatase 4	-5.47
TC06003061.hg.1	4.54	6.99	0.0013	0.0239 EYA4	desmocollin 3	-5.47
TC18000435.hg.1	2.67	5.14	0.0032	0.039 DSC3		-5.51

TC01006310.hg.1	11.36	13.83	0.0019	0.0293	NBPF9; NOTCH1 neuroblastoma breakpoint family, member 9; notch 2 N- terminal like ubiquitin-like with PHD and ring finger domains 2, E3 ubiquitin protein ligase	-5.52
TC09000047.hg.1	7.67	10.14	0.0002	0.0087	UHRF2	-5.52
TC08001455.hg.1	6.67	9.14	7.04E-05	0.006	TSPYL5 TSPY-like 5	-5.54
TC05003453.hg.1	8.46	10.93	0.0015	0.0261	SMA4 glucuronidase, beta pseudogene	-5.55
TC0X001430.hg.1	3.65	6.13	0.0009	0.0201	MIR505 microRNA 505	-5.57
TC05003056.hg.1	7.63	10.12	0.0008	0.0182	GUSBP9 glucuronidase, beta pseudogene 9	-5.59
TC06001015.hg.1	9.17	11.66	0.0017	0.0276	PDE7B phosphodiesterase 7B	-5.62
TC03001720.hg.1	12.04	14.54	0.0029	0.0371	HEG1 heart development protein with EGF- like domains 1	-5.65
TC03002001.hg.1	5.68	8.19	1.92E-05	0.0038	PLD1 phospholipase D1, phosphatidylcholine-specific	-5.67
TC05000854.hg.1	11.84	14.35	0.003	0.0375	MIR1303 microRNA 1303	-5.71
TC02003210.hg.1	3.9	6.42	0.0004	0.0132	LOC10537458 uncharacterized LOC105374587	-5.72

TC07000810.hg.1	6.3	8.82	2.15E-06	0.0016 CPA4	carboxypeptidase A4	-5.73
TC15000048.hg.1	4.95	7.47	0.003	0.0374 SNORD116-1	small nucleolar RNA, C/D box 116-1	-5.74
TC11001513.hg.1	5.79	8.31	0.0008	0.018 BDNF	brain-derived neurotrophic factor	-5.77
TC15001058.hg.1	8.14	10.67	0.0035	0.0413 HERC2P2	hect domain and RLD 2	-5.78
TC01003456.hg.1	3.76	6.29	0.0028	0.0361 CCDC190	pseudogene 2 coiled-coil domain containing 190	-5.79
TC14001269.hg.1	2.88	5.43	0.0036	0.0416 ADAM20P1	ADAM metalloproteinase domain 20 pseudogene 1	-5.83
TC03002002.hg.1	3.58	6.13	9.62E-05	0.0066 PLD1	phospholipase D1, phosphatidylcholine-specific	-5.85
TC08001016.hg.1	8.27	10.82	0.0023	0.0329 PSD3	pleckstrin and Sec7 domain containing 3	-5.85
TC16001060.hg.1	6.01	8.56	5.62E-05	0.0055 HERC2P4	hect domain and RLD 2 pseudogene 4	-5.85
TC12000587.hg.1	6.07	8.63	0.0003	0.0111 HMGA2	high mobility group AT-hook 2	-5.87
TC02000521.hg.1	6.1	8.65	0.0035	0.0412 SNORD94	small nucleolar RNA, C/D box 94	-5.88

					neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase	
TC18000731.hg.1	5.61	8.17	0.0018	0.0285 NEDD4L	nuclear pore complex interacting protein family, member B9; nuclear pore complex interacting protein family, member B8	-5.89
TC16000304.hg.1	7.31	9.87	0.0048	0.0495 NPIP9; NPIP1	chromosome 16 open reading frame 13	-5.92
TC16000731.hg.1	5.57	8.15	0.0037	0.0423 C16orf13	ring finger protein 138, E3 ubiquitin protein ligase	-5.98
TC05001364.hg.1	3.61	6.19	0.0006	0.0156 RNF138P1	pseudogene 1 uncharacterized	-5.99
TC06003846.hg.1	4.4	6.99	0.0018	0.0287 LOC10272340	LOC102723409 AFAP1 antisense	-6
TC04000083.hg.1	4.11	6.71	0.0007	0.0168 AFAP1-AS1	RNA 1	-6.05
TC01004068.hg.1	6.18	8.78	0.0028	0.0363 MIR3916	microRNA 3916	-6.06
TC16002103.hg.1	10.49	13.09	0.0003	0.0107 SMG1P2	SMG1 pseudogene 2	-6.06

TC08002385.hg.1	3.98	6.58	0.0011	0.0222 UBE2W	ubiquitin-conjugating enzyme E2W (putative)	-6.07
TC02001959.hg.1	8.79	11.4	0.0002	0.0097 MIR1285-2	microRNA 1285-2	-6.08
TC15001330.hg.1	5.18	7.78	0.0005	0.0139 MYEF2	myelin expression factor 2	-6.1
TC10001415.hg.1	7.9	10.52	0.0036	0.0418 RP11-464F9.9		-6.13
TC08002590.hg.1	9.21	11.84	0.0003	0.0102 DOCK5	dedicator of cytokinesis 5	-6.17
TC17001150.hg.1	3.97	6.59	0.0001	0.0073 MIR548H3	microRNA 548h-3	-6.18
TC15001011.hg.1	7.91	10.54	0.0014	0.0246 HERC2P3	hect domain and RLD 2	-6.19
TC09002212.hg.1	3.39	6.02	0.0001	0.0076 PAPPA	pseudogene 3 pregnancy-associated plasma protein A, pappalysin 1	-6.19
TC15002105.hg.1	7.91	10.54	0.0017	0.0274 HERC2P9	hect domain and RLD 2	-6.19
TC13000371.hg.1	5.84	8.48	0.0028	0.0364 RNY5P8	pseudogene 9 RNA, Ro-associated Y5	-6.19
TC05000307.hg.1	4.99	7.62	0.0041	0.045 NAIP	pseudogene 8	-6.21
					NLR family, apoptosis inhibitory protein	

TC06002466.hg.1	3.89	6.53	0.0002	0.0089	HSPA1B	heat shock 70kDa protein 1B neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase	-6.25
TC18000202.hg.1	5.78	8.42	0.0007	0.0176	NEDD4L	ras homolog family member J microRNA 4472- 2	-6.26
TC14000377.hg.1	6.22	8.87	0.0017	0.0277	RHOJ	microRNA 2116	-6.29
TC12002007.hg.1	11.29	13.96	2.02E-05	0.0039	MIR4472-2	neurofascin	-6.33
TC15001494.hg.1	2.93	5.59	1.19E-05	0.003	MIR2116	keratin associated protein 1-5	-6.33
TC01004965.hg.1	6.53	9.19	0.0004	0.0132	NFASC	nicotinamide N- methyltransferas e	-6.34
TC17001479.hg.1	7.9	10.57	2.42E-05	0.004	KRTAP1-5	ADP-ribosylation factor like GTPase 17A; ADP- ribosylation factor like	-6.35
TC11001027.hg.1	7.96	10.63	0.0013	0.0242	NNMT	GTPase 17B DAZ interacting zinc finger protein 1	-6.38
TC17000587.hg.1	5.53	8.2	0.0002	0.009	ARL17A; ARL1	RAN binding protein 17	-6.38
TC13001642.hg.1	3.96	6.64	0.0003	0.0111	DZIP1		-6.39
TC05000938.hg.1	4.69	7.37	0.0002	0.009	RANBP17		-6.4

TC09002101.hg.1	3.5	6.18	7.50E-06	0.0026	FAM120A	family with sequence similarity 120A microRNA 548aj-	-6.42
TC0X000953.hg.1	5.74	8.43	0.0013	0.0234	MIR548AJ2	2	-6.44
TC0X000518.hg.1	6.04	8.74	3.02E-05	0.0044	MIR548AN	microRNA 548an	-6.46
TC04000007.hg.1	4.1	6.8	0.002	0.0306	MIR571	microRNA 571	-6.49
TC10000103.hg.1	3.99	6.69	0.0007	0.0167	LOC10192852	uncharacterized LOC101928524	-6.5
TC06002098.hg.1	4.29	6.99	0.0008	0.0179	LOC10272340	uncharacterized LOC102723409	-6.5
TC10000409.hg.1	6.7	9.41	8.85E-05	0.0064	MIR1254-1	microRNA 1254- 1	-6.54
TC07001871.hg.1	5.72	8.43	0.0007	0.0176	LINC-PINT	long intergenic non-protein coding RNA, p53 induced transcript	-6.56
TC02000902.hg.1	3.84	6.55	7.63E-07	0.0012	KYNU	kynureninase	-6.56
TC12002413.hg.1	4.19	6.91	0.0012	0.0225	LEFTY2	left-right determination factor 2	-6.59
TC21000736.hg.1	5.97	8.7	0.0022	0.0317	BACE2	beta-site APP- cleaving enzyme 2	-6.63
TC16000769.hg.1	6.51	9.24	0.003	0.0377	SNORA10	small nucleolar RNA, H/ACA box 10	-6.64
TC06002302.hg.1	3.65	6.39	0.0004	0.0124	LINC00473	long intergenic non-protein coding RNA 473	-6.67

TC17000494.hg.1	4.58	7.32	0.0002	0.0098 RNY4P8	RNA, Ro-associated Y4 pseudogene 8	-6.69
TC16001834.hg.1	10.14	12.89	0.0004	0.0135 SMG1P2; SLC15	SMG1 pseudogene 2; solute carrier family 7 (amino acid transporter light chain, L system), member 5 pseudogene 1	-6.71
TC17002532.hg.1	6.32	9.07	4.31E-05	0.0049 CCDC144B	coiled-coil domain containing 144B (pseudogene)	-6.72
TC01002339.hg.1	5.42	8.17	0.0007	0.0176 HNRNPR	heterogeneous nuclear ribonucleoprotein R	-6.73
TC01002293.hg.1	8.72	11.47	0.0002	0.0094 UBR4	ubiquitin protein ligase E3 component n-recognin 4	-6.74
TC09001296.hg.1	2.52	5.28	0.0014	0.0252 LOC440173	uncharacterized LOC440173	-6.78
TC05003446.hg.1	7.21	9.97	0.0006	0.0154 GUSBP9; GUS 3	glucuronidase, beta pseudogene 9; glucuronidase, beta pseudogene	-6.8

TC11002859.hg.1	5.08	7.85	3.55E-05	0.0046	C11orf87	chromosome 11 open reading frame 87 endogenous retrovirus group	-6.82
TC11000697.hg.1	5.36	8.13	0.001	0.0203	ERV9-1	9, member 1 microRNA 548d-	-6.82
TC16000250.hg.1	14.27	17.05	4.32E-05	0.0049	MIR548D2	2	-6.84
TC07001618.hg.1	4.61	7.38	0.0036	0.0415	PDK4	pyruvate dehydrogenase kinase, isozyme 4 uncharacterized	-6.87
TC04002162.hg.1	8.23	11.01	0.0022	0.0323	LOC729218	LOC729218	-6.87
TC01002321.hg.1	2.88	5.66	0.0046	0.0484	MIR1256	microRNA 1256 BTB and CNC homology 1, basic leucine zipper transcription factor 1; GRIK1	-6.88
TC21000097.hg.1	7.87	10.66	0.0002	0.0082	BACH1; GRIK1	antisense RNA 2	-6.93
TC01004036.hg.1	8.88	11.67	0.0008	0.0188	LINC01347	long intergenic non-protein coding RNA 1347 uncharacterized	-6.95
TC16000716.hg.1	10.28	13.1	0.0044	0.0468	LOC10192981	LOC101929819 Pvt1 oncogene (non-protein coding);	-7.08
TC08000750.hg.1	5.63	8.46	6.79E-05	0.0059	PVT1; MIR12C	microRNA 1204	-7.11

					SMG1 pseudogene 5; SMG1	
TC16001025.hg.1	10.22	13.05	0.0002	0.0088	SMG1P5; SMG1 pseudogene 2	-7.11
TC08001077.hg.1	3.23	6.06	0.0026	0.0348	MIR548H4 4 microRNA 548h-	-7.15
TC16001231.hg.1	10.53	13.37	4.51E-05	0.005	SMG1P7 SMG1 pseudogene 7 uncharacterized	-7.16
TC11003512.hg.1	9.54	12.39	0.0003	0.0114	LOC10013482 LOC100134822	-7.19
TC05001331.hg.1	8.41	11.26	0.0007	0.0169	EMB embigin	-7.2
TC17000805.hg.1	2.99	5.84	0.0004	0.012	ABCA9-AS1 ABCA9 antisense RNA 1	-7.2
TC11002154.hg.1	5.47	8.32	0.0015	0.0256	SNORA70E small nucleolar RNA, H/ACA box 70E	-7.21
TC02002097.hg.1	5.33	8.18	0.001	0.0205	LINC00342 long intergenic non-protein coding RNA 342	-7.24
TC02003655.hg.1	4.8	7.66	0.0046	0.0483	LY75 lymphocyte antigen 75	-7.24
TC01000005.hg.1	7.62	10.48	0.0006	0.0157	LINC01001 long intergenic non-protein coding RNA 1001	-7.27
TC10001228.hg.1	8.36	11.23	0.0032	0.0393	AGAP4 ArfGAP with GTPase domain, ankyrin repeat and PH domain 4	-7.29

TC11003501.hg.1	8.62	11.49	0.0008	0.018	LINC01001	long intergenic non-protein coding RNA 1001 lymphocyte antigen 6 complex, locus G6E	-7.32
TC06003353.hg.1	6.23	9.11	0.0008	0.0178	LY6G6E	(pseudogene) testis-specific	-7.34
TC01004297.hg.1	5.99	8.87	7.32E-05	0.0061	TSSK3	serine kinase 3 small nucleolar RNA, C/D box	-7.35
TC14000691.hg.1	12.48	15.36	0.0007	0.0167	SNORD114-14	114-14 proprotein convertase subtilisin/kexin	-7.35
TC05003154.hg.1	3.73	6.62	0.0004	0.0136	PCSK1	type 1 coiled-coil domain containing 144B	-7.39
TC17002892.hg.1	6.37	9.27	3.64E-05	0.0047	CCDC144B	(pseudogene) beta-site APP- cleaving enzyme	-7.41
TC21000737.hg.1	9.04	11.93	0.0008	0.018	BACE2	2 long intergenic non-protein	-7.42
TC10000062.hg.1	4.34	7.24	0.0008	0.0178	LINC00707	coding RNA 707	-7.44

TC05002857.hg.1	8.23	11.13	0.0007	0.0166	SEMA5A	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A	-7.46
TC05003447.hg.1	6.73	9.64	0.0014	0.0247	SMA4; SMA5	glucuronidase, beta pseudogene	-7.49
TC11002977.hg.1	9.34	12.24	0.0012	0.0225	LINC01001	long intergenic non-protein coding RNA 1001	-7.49
TC09000560.hg.1	9.83	12.73	2.13E-05	0.0039	UGCG	UDP-glucose ceramide glucosyltransfera se	-7.51
TC05000721.hg.1	5.14	8.06	0.0014	0.0245	IGIP	IgA-inducing protein	-7.55
TC07000288.hg.1	6.15	9.08	0.0006	0.0154	LINC01061	long intergenic non-protein coding RNA 1061	-7.59
TC08002099.hg.1	5.21	8.15	4.72E-05	0.0051	PVT1	Pvt1 oncogene (non-protein coding) SMG1	-7.69
TC16000999.hg.1	10.46	13.4	6.63E-05	0.0058	SMG1P2	pseudogene 2	-7.7

TC07000874.hg.1	4.03	6.99	0.0007	0.0174 PP12708		-7.76
TC17000761.hg.1	7.97	10.95	0.0006	0.0165 MIR548W	microRNA 548w	-7.86
					small nucleolar RNA, C/D box	
TC09001026.hg.1	4.16	7.14	0.0039	0.0434 SNORD121A	121A	-7.87
					RNA, Ro- associated Y4	
TC17001548.hg.1	4.8	7.78	0.0001	0.0068 RNY4P2	pseudogene 2	-7.89
					transforming growth factor	
TC01001805.hg.1	7.77	10.75	3.28E-05	0.0045 TGFB2	beta 2	-7.89
					calcium channel, voltage- dependent, alpha	
TC07001563.hg.1	10.47	13.45	0.0024	0.0338 CACNA2D1	2/delta subunit 1	-7.9
TC02000214.hg.1	4.16	7.15	0.0001	0.0068 MIR558	microRNA 558	-7.95
					long intergenic non-protein	
TC05003443.hg.1	9.2	12.19	0.0016	0.0272 LINC01001	coding RNA 1001	-7.96
					glucuronidase, beta pseudogene	
TC05002422.hg.1	6.74	9.73	0.0014	0.0245 SMA4	glucuronidase, beta pseudogene	-7.96
					2	
TC06001378.hg.1	6.39	9.39	0.0002	0.0088 GUSBP2		-7.97
TC19001250.hg.1	6.33	9.32	0.0005	0.0143 NOTCH3	notch 3	-7.98
					small nucleolar RNA, H/ACA box	
TC01001689.hg.1	3.33	6.34	0.0001	0.0069 SNORA77	77	-8.03

TC04001820.hg.1	5.39	8.4	0.0024	0.0335 SORBS2	sorbin and SH3 domain containing 2	-8.06
TC11001282.hg.1	3.16	6.17	0.0037	0.0426 KCNQ1OT1	KCNQ1 opposite strand/antisense transcript 1 (non-protein coding)	-8.07
TC11000700.hg.1	6.23	9.24	0.0002	0.0094 RNU6-46P	RNA, U6 small nuclear 46, pseudogene	-8.09
TC04000299.hg.1	4.87	7.9	0.0047	0.0489 SNORA26	small nucleolar RNA, H/ACA box 26	-8.15
TC03000123.hg.1	10.58	13.6	3.45E-05	0.0046 MIR548AC	microRNA 548ac	-8.17
TC01002954.hg.1	7.18	10.21	3.28E-06	0.0019 SORT1	sortilin 1	-8.2
TC01001523.hg.1	3.87	6.91	0.0006	0.0158 GPR52	G protein-coupled receptor 52	-8.23
TC08001341.hg.1	4.63	7.67	0.0012	0.0231 CASC9	cancer susceptibility candidate 9 (non-protein coding)	-8.23
TC16001450.hg.1	11.16	14.2	0.0013	0.0237 SMG1P1	SMG1 pseudogene 1	-8.24
TC20001170.hg.1	7.87	10.91	3.45E-05	0.0046 PYGB	phosphorylase, glycogen; brain uncharacterized	-8.25
TC01003147.hg.1	3.45	6.5	0.0003	0.0115 LOC727820	LOC727820	-8.3
TC08000752.hg.1	2.76	5.81	2.56E-05	0.0041 MIR1205	microRNA 1205	-8.31

					taste receptor, type 2, member 43; taste receptor, type 2,	
TC12001242.hg.1	4.36	7.42	7.02E-07	0.0012	TAS2R43; TAS member 45	-8.32
					small nucleolar RNA, C/D box	
TC18000504.hg.1	9.3	12.36	0.0045	0.0473	SNORD58C	-8.34
					NLR family, apoptosis inhibitory protein; glucuronidase, beta pseudogene	
TC05000311.hg.1	6.14	9.2	0.0012	0.0225	NAIP; GUSBP3	-8.36
					microtubule- actin crosslinking factor 1;	
TC01000493.hg.1	8.84	11.91	0.0004	0.0122	MACF1; KIAA(KIAA0754	-8.37
					long intergenic non-protein coding RNA, p53 induced	
TC07003172.hg.1	5.4	8.5	0.0003	0.0108	LINC-PINT	-8.58
					transcript uncharacterized	
TC02003426.hg.1	5.51	8.61	0.0019	0.0291	LOC10050612	-8.58
					LOC100506123 ankyrin repeat domain 36B	
TC02000547.hg.1	5.2	8.31	0.0003	0.0117	ANKRD36BP2	-8.64
					pseudogene 2 glucuronidase, beta pseudogene	
TC05003452.hg.1	6.4	9.52	0.0002	0.0082	GUSBP3	-8.66
					3	

TC17002107.hg.1	5.02	8.13	5.39E-05	0.0054	CCDC144CP	coiled-coil domain containing 144C, pseudogene	-8.67
TC01002764.hg.1	3.65	6.77	0.0003	0.0115	MIR1262	microRNA 1262	-8.68
TC06002502.hg.1	3.65	6.77	0.0043	0.0464	HLA-DQA1	major histocompatibility complex, class II, DQ alpha 1	-8.69
TC01006075.hg.1	5.53	8.65	4.80E-05	0.0052	PLXNA2	plexin A2	-8.7
TC12003089.hg.1	6.17	9.3	0.0015	0.0258	HECTD4	HECT domain containing E3 ubiquitin protein ligase 4	-8.72
TC07001352.hg.1	5.41	8.54	0.0025	0.0341	SNORA5A	small nucleolar RNA, H/ACA box 5A	-8.74
TC04001501.hg.1	6.98	10.12	0.0036	0.0414	LINC01061	long intergenic non-protein coding RNA 1061	-8.82
TC01005658.hg.1	4.25	7.39	1.25E-06	0.0015	MIR137HG	MIR137 host gene	-8.85
TC12000573.hg.1	5.01	8.15	0.0001	0.0068	MIR548C; MIF	microRNA 548c; microRNA 548z	-8.86
TC01002066.hg.1	10.23	13.37	0.0036	0.0413	LINC01001	long intergenic non-protein coding RNA 1001	-8.86

					family with sequence similarity 106, member C,	
TC17000192.hg.1	4.32	7.48	4.38E-05	0.0049	FAM106CP pseudogene	-8.91
TC05001142.hg.1	7.43	10.59	3.78E-05	0.0048	MIR4454 microRNA 4454	-8.94
					solute carrier family 12 (potassium/chlor ide transporter), member 6	
TC15001192.hg.1	7.98	11.14	0.0012	0.0227	SLC12A6 uncharacterized	-8.94
TC02002119.hg.1	5.54	8.7	0.0006	0.0164	LOC100506123 RNA, Ro- associated Y5	-8.98
TC01002496.hg.1	5.09	8.26	0.0015	0.0257	RNY5P1 pseudogene 1	-9.02
					microRNA 548aa- 2; microRNA	
TC17001816.hg.1	5.63	8.8	2.85E-05	0.0043	MIR548AA2; MIR548d-2	-9.03
TC05002988.hg.1	9.31	12.49	0.0002	0.0095	EMB embigin	-9.05
TC10001332.hg.1	3.25	6.43	0.0001	0.0069	MIR1296 microRNA 1296	-9.06
TC13001253.hg.1	3.38	6.59	0.0003	0.0117	FKSG29 FKSG29	-9.28
TC09001461.hg.1	3.59	6.81	0.0016	0.0266	MIR32 microRNA 32	-9.29
					hect domain and RLD 2	
TC15000142.hg.1	8.89	12.13	0.001	0.0207	HERC2P2 pseudogene 2	-9.45
					angiopoietin like 5	
TC11002223.hg.1	3.69	6.93	0.0002	0.0085	ANGPTL5	-9.47
TC14000715.hg.1	1.98	5.23	3.88E-05	0.0048	MIR379 microRNA 379	-9.5
TC03001537.hg.1	3.19	6.44	0.0037	0.0421	MIR3136 microRNA 3136	-9.52

					Rho guanine nucleotide exchange factor	
TC13001303.hg.1	2.87	6.13	6.73E-06	0.0025 ARHGEF7	7	-9.58
TC0X000085.hg.1	3.23	6.49	0.0002	0.0087 MIR4768	microRNA 4768	-9.59
					uncharacterized	
TC05001443.hg.1	5.22	8.48	0.0002	0.0101 LOC10027221	LOC100272216	-9.63
					ankyrin repeat domain 36B	
TC02003392.hg.1	4.68	7.96	0.0005	0.0145 ANKRD36BP2	pseudogene 2	-9.69
					phosphoglucomu tase 5	
TC09001167.hg.1	4.31	7.6	3.06E-05	0.0044 PGM5P2	pseudogene 2	-9.79
					solute carrier family 7 (amino acid transporter light chain, L system), member 5 pseudogene 2; SMG1 pseudogene 3; SMG1	
TC16002099.hg.1	10.48	13.77	0.0008	0.0178 SLC7A5P2; SM	pseudogene 1	-9.82
					Rho guanine nucleotide exchange factor	
TC05000355.hg.1	4.76	8.06	0.0002	0.0084 ARHGEF28	28	-9.84
TC05000337.hg.1	3.29	6.59	0.0027	0.0356 MIR4803	microRNA 4803	-9.84
					glucuronidase, beta pseudogene	
TC05003058.hg.1	6.28	9.59	0.0005	0.0149 GUSBP9	9	-9.9

					coiled-coil domain containing 144C, pseudogene	
TC17000252.hg.1	4.78	8.09	2.10E-05	0.0039 CCDC144CP		-9.91
TC20000447.hg.1	11.69	15.01	1.10E-05	0.0029 MIR5095	microRNA 5095	-9.94
					glucuronidase, beta pseudogene	
TC05003445.hg.1	6.3	9.63	0.0002	0.0085 GUSBP3	3	-10.02
TC06002134.hg.1	3.26	6.6	0.0027	0.0356 MIR3662	microRNA 3662	-10.1
					RNA, U6 small nuclear 42, pseudogene	
TC03002169.hg.1	9.92	13.27	0.0002	0.0079 RNU6-42P		-10.14
					calcium channel, voltage-dependent, alpha 2/delta subunit 1 uncharacterized	
TC07003044.hg.1	10.4	13.75	0.0011	0.0222 CACNA2D1		-10.18
TC03001039.hg.1	4.16	7.51	0.0005	0.0147 FLJ42393	LOC401105	-10.23
					sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain,	
TC05001151.hg.1	7.19	10.56	0.0029	0.0367 SEMA5A	(semaphorin) 5A	-10.34
TC12001697.hg.1	3.27	6.65	9.19E-07	0.0012 IL26	interleukin 26 uncharacterized	-10.36
TC02003797.hg.1	4.06	7.43	0.0037	0.0424 LOC10192802	LOC101928020	-10.36

TC07001582.hg.1	3.46	6.85	0.0007	0.0172 STEAP4	STEAP family member 4	-10.48
TC11002200.hg.1	4.06	7.46	0.0033	0.0398 MIR548L	microRNA 548l	-10.58
TC06001121.hg.1	6.17	9.57	0.0004	0.0135 MIR548U	microRNA 548u	-10.61
TC05000192.hg.1	3.34	6.76	0.0016	0.0269 GHR	growth hormone receptor	-10.64
TC16001155.hg.1	5.09	8.5	0.0006	0.0153 SNORA46	small nucleolar RNA, H/ACA box 46	-10.65
TC08000127.hg.1	3.35	6.76	1.52E-05	0.0034 SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	-10.66
TC01006424.hg.1	4.78	8.2	0.0015	0.0252 MIR181A1HG	MIR181A1 host gene	-10.69
TC08001816.hg.1	2.52	5.95	1.45E-06	0.0015 SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	-10.74
TC05001406.hg.1	8.12	11.56	0.0012	0.0229 ADAMTS6	ADAM metalloproteinase with thrombospondin type 1 motif 6	-10.84
TC02002209.hg.1	3.51	6.94	2.84E-05	0.0043 MIR4435-2; N4435-1	microRNA 4435-2; microRNA 4435-1	-10.84

TC13000827.hg.1	11.24	14.69	4.34E-05	0.0049	MIR548AN	microRNA 548an	-10.91
TC12000227.hg.1	4.17	7.61	0.0001	0.0078	PDE3A	phosphodiesterase 3A, cGMP-inhibited SMG1	-10.93
TC16002094.hg.1	10.46	13.92	0.0006	0.0159	SMG1P1	pseudogene 1	-10.96
TC03002719.hg.1	3.91	7.38	0.0002	0.0097	FLJ42393	uncharacterized LOC401105	-11.03
TC14000882.hg.1	5.01	8.49	0.0008	0.0185	RPPH1	ribonuclease P RNA component H1	-11.13
TC11003160.hg.1	5.21	8.73	8.03E-05	0.0063	OR7E5P	olfactory receptor, family 7, subfamily E, member 5	-11.43
TC01003718.hg.1	4.78	8.32	2.65E-07	0.0008	CHI3L1	pseudogene chitinase 3-like 1 (cartilage glycoprotein-39)	-11.63
TC05001459.hg.1	6.34	9.88	0.0003	0.0111	GUSBP9; GUS 3	glucuronidase, beta pseudogene 9; glucuronidase, beta pseudogene	-11.65
TC13000086.hg.1	3.92	7.46	0.0012	0.0228	RNU6-82P	RNA, U6 small nuclear 82, pseudogene	-11.66

TC09001112.hg.1	4.32	7.88	0.0008	0.0184	LOC10105993A3	coiled-coil domain-containing protein 29-like; ankyrin repeat domain 20 family, member	-11.79
TC06003418.hg.1	3.74	7.31	0.0012	0.0231	HLA-DRB1	major histocompatibility complex, class II, DR beta 1	-11.87
TC15001568.hg.1	8.96	12.53	1.44E-05	0.0034	RNU6-19P	RNA, U6 small nuclear 19, pseudogene	-11.87
TC14001862.hg.1	5.4	8.98	0.0035	0.0411	MEG8	maternally expressed 8 (non-protein coding)	-11.98
TC04001437.hg.1	5.32	8.91	1.05E-05	0.0029	MIR548AC	microRNA 548ac	-12.04
TC07003097.hg.1	4.54	8.14	0.0006	0.0153	LINC01004	long intergenic non-protein coding RNA 1004	-12.15

					excision repair cross-complementation group 6; piggyBac transposable element derived 3; ERCC6-PGBD3	
TC10001276.hg.1	6.64	10.25	0.0009	0.02	ERCC6; PGBD3; readthrough RNA, U5F small nuclear 1	-12.21
TC01002597.hg.1	3.03	6.64	0.0002	0.0101	RNU5F-1 RNA, U5F small nuclear 1	-12.22
TC01001812.hg.1	1.85	5.47	2.22E-05	0.004	RNU5F-1 RNA, U5F small nuclear 1	-12.37
TC16000868.hg.1	5.54	9.18	0.0001	0.0075	MIR548H2 microRNA 548h-2	-12.46
TC03001547.hg.1	4.27	7.91	0.003	0.0375	MIR1284 microRNA 1284	-12.47
TC02000536.hg.1	3.35	7	2.56E-05	0.0041	MIR4435-1; MIR4435-2	-12.53
TC21000651.hg.1	7.14	10.8	0.0002	0.008	BACH1 BTB and CNC homology 1, basic leucine zipper transcription factor 1	-12.59
TC01001690.hg.1	3.73	7.38	2.39E-05	0.004	LINC00260 long intergenic non-protein coding RNA 260	-12.6
TC01003159.hg.1	9.67	13.36	0.0019	0.0298	RNVU1-17 RNA, variant U1 small nuclear 17	-12.91
TC08001643.hg.1	2.77	6.47	8.91E-06	0.0027	ASAP1-IT2 ASAP1 intronic transcript 2	-13.06

TC05003050.hg.1	4.72	8.44	6.30E-05	0.0058	LOC100272211	LOC100272216 uncharacterized maternally expressed 8 (non- protein coding); small nucleolar RNA, C/D box	-13.13
TC14000659.hg.1	6.27	10.01	0.0034	0.0404	MEG8; SNORC	112	-13.35
TC14000253.hg.1	3.3	7.04	0.0001	0.0078	LOC644919	LOC644919 SMG1	-13.42
TC16002101.hg.1	10.6	14.35	0.0002	0.0088	SMG1P1	pseudogene 1	-13.48
TC01001839.hg.1	6.99	10.74	0.0038	0.0426	LOC10192698	LOC101926980 uncharacterized small nucleolar RNA, H/ACA box	-13.48
TC12001455.hg.1	3.34	7.1	0.0003	0.0101	SNORA2B	2B RNA, U6 small nuclear 35,	-13.51
TC04000569.hg.1	7.33	11.09	0.0006	0.0165	RNU6-35P	pseudogene	-13.58
TC03002953.hg.1	3.5	7.3	0.0002	0.0094	MAGI1-IT1	MAGI1 intronic transcript 1	-13.92
TC03001888.hg.1	8.6	12.4	1.00E-05	0.0028	TM4SF1	transmembrane 4 L six family member 1	-13.97
TC19002275.hg.1	6.16	9.97	0.0003	0.0117	LINC01002	long intergenic non-protein coding RNA 1002	-14.06
TC08001459.hg.1	3.48	7.33	0.0012	0.0225	SNORA72	small nucleolar RNA, H/ACA box 72	-14.45

TC05001385.hg.1	8.06	11.92	0.001	0.0209 PLK2	polo-like kinase 2	-14.52
TC08001590.hg.1	5.76	9.62	0.0002	0.0101 FBXO32	F-box protein 32	-14.52
					FTX transcript, XIST regulator (non-protein coding)	
TC0X001156.hg.1	5.99	9.86	0.0004	0.0123 FTX	contactin associated protein-like 3	-14.63
TC09001092.hg.1	4.81	8.69	0.0002	0.0088 CNTNAP3		-14.73
					long intergenic non-protein coding RNA 1355	
TC01005322.hg.1	4.35	8.26	0.0001	0.0069 LINC01355	small Cajal body- specific RNA 8	-15.07
TC09000934.hg.1	4.35	8.27	0.0047	0.0487 SCARNA8		-15.09
TC06000267.hg.1	8.13	12.05	6.96E-06	0.0025 FKSG49	FKSG49	-15.09
					taste receptor, type 2, member 50	
TC12001236.hg.1	2.4	6.33	0.0011	0.0214 TAS2R50		-15.22
					small nucleolar RNA, C/D box 93	
TC07000139.hg.1	9.64	13.57	0.0026	0.0349 SNORD93	small nucleolar RNA, H/ACA box 59B; small nucleolar RNA, H/ACA box 59A	-15.23
					small nucleolar RNA, H/ACA box 59B; small nucleolar RNA, H/ACA box 59A	
TC01000157.hg.1	5.68	9.62	0.0043	0.0463 SNORA59B; SI		-15.4
					small nucleolar RNA, H/ACA box 59B; small nucleolar RNA, H/ACA box 59A	
TC17000242.hg.1	5.68	9.62	0.0043	0.0463 SNORA59B; SI		-15.4

					pleckstrin homology domain containing, family H (with MyTH4 domain)	
TC02000270.hg.1	5.01	8.98	0.0042	0.0454 PLEKHH2	member 2	-15.67
TC07000972.hg.1	5.26	9.24	9.64E-06	0.0028 RNY4	RNA, Ro- associated Y4 phosphoglucomu tase 5	-15.81
TC09001164.hg.1	3.86	7.84	0.0001	0.0076 PGM5P2	pseudogene 2 interferon, alpha- inducible protein	-15.84
TC01002412.hg.1	10.12	14.11	0.0003	0.0101 IFI6	6	-15.97
TC14000464.hg.1	4.45	8.5	7.94E-06	0.0026 YLPM1	YLP motif containing 1 small nucleolar RNA, H/ACA box 84; microRNA	-16.56
TC09001332.hg.1	5.13	9.19	0.0027	0.0357 SNORA84; MI	3651	-16.61
TC01003326.hg.1	3.2	7.27	0.0014	0.0243 SNORA80E	small nucleolar RNA, H/ACA box 80E Rho GTPase activating protein	-16.84
TC01005638.hg.1	4.95	9.03	0.002	0.03 ARHGAP29	29	-16.9
TC10001145.hg.1	4.44	8.53	0.0016	0.0264 MIR604	microRNA 604	-17.02
TC10001807.hg.1	4.53	8.62	0.0002	0.0101 WDR37	WD repeat domain 37 small nucleolar RNA, C/D box	-17.09
TC14000709.hg.1	3.61	7.71	0.0001	0.0068 SNORD114-29	114-29	-17.19

TC08001143.hg.1	5.95	10.06	0.0002	0.0094	RP11-90P5.7	-17.22	
TC14001860.hg.1	5.63	9.74	0.0029	0.0366	MEG3	maternally expressed 3 (non-protein coding)	-17.25
TC16002105.hg.1	8	12.12	1.62E-05	0.0035	SMG1P5	SMG1	-17.31
TC0X001246.hg.1	4.1	8.21	0.0006	0.0163	MIR1256	pseudogene 5	-17.32
TC14000682.hg.1	4.05	8.17	0.0003	0.0112	SNORD114-6	microRNA 1256	-17.37
TC02001892.hg.1	3.98	8.1	0.0026	0.0351	SNORA70B	small nucleolar RNA, C/D box	-17.4
TC02003239.hg.1	4.27	8.4	0.0008	0.0184	RPL23AP32	114-6	-17.49
TC02004322.hg.1	3.68	7.81	0.0007	0.0167	AAK1	small nucleolar RNA, H/ACA box	-17.53
TC18000164.hg.1	7.34	11.5	0.0009	0.0198	SLC14A1	70B	-17.89
TC11002613.hg.1	3.18	7.34	0.0008	0.0184	METTL15	ribosomal protein L23a	-17.93
TC14000686.hg.1	6.78	10.98	0.0049	0.0499	SNORD114-9	pseudogene 32	-18.33
TC15000979.hg.1	5.81	10.01	0.0002	0.0094	DNM1P46	AP2 associated	-18.4
TC05000257.hg.1	10.58	14.79	1.04E-05	0.0029	FKSG52	kinase 1	-18.46
TC20000383.hg.1	10.7	14.91	6.56E-06	0.0025	FKSG49	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	-18.51

TC01002292.hg.1	5.38	9.6	3.02E-06	0.0018 MIR1290	microRNA 1290	-18.64
TC09000962.hg.1	5	9.23	0.0046	0.048 IFNE	interferon, epsilon	-18.85
TC09000943.hg.1	1.65	5.91	2.12E-06	0.0016 MIR4474	microRNA 4474	-19.22
					coiled-coil domain- containing protein 29-like; uncharacterized	
TC09002933.hg.1	4.53	8.8	0.0014	0.0247 LOC10106002	LOC644249	-19.33
TC02003717.hg.1	3.79	8.09	0.0013	0.024 TTN	titin	-19.61
					long intergenic non-protein coding RNA 1002	
TC19000976.hg.1	7.05	11.34	0.0002	0.0099 LINC01002	ZNF638 intronic transcript 1	-19.64
TC02000431.hg.1	5.04	9.39	0.0003	0.0113 ZNF638-IT1		-20.48
TC09000265.hg.1	4.95	9.34	0.0006	0.0165 RP11-187C18.2	microRNA 548aj- 2	-20.92
TC04001081.hg.1	13.14	17.55	2.52E-05	0.0041 MIR548AJ2		-21.18
TC04000663.hg.1	3.42	7.83	4.07E-06	0.002 PCDH10	protocadherin 10 FTX transcript, XIST regulator (non-protein coding)	-21.34
TC0X002128.hg.1	4.77	9.19	1.00E-05	0.0028 FTX	DnaJ (Hsp40) homolog, subfamily B, member 6	-21.35
TC07002716.hg.1	3.52	7.94	0.0003	0.0103 DNAJB6		-21.37
TC07000964.hg.1	10.73	15.15	0.0006	0.0162 MIR548F3	microRNA 548f-3	-21.48

TC12001235.hg.1	3.54	7.99	0.0009	0.0197 TAS2R14	taste receptor, type 2, member 14	-21.92
TC13000476.hg.1	5.26	9.75	0.0008	0.0185 RNU6-59P	RNA, U6 small nuclear 59, pseudogene	-22.52
TC11002385.hg.1	2.47	7	0.0002	0.0089 MIR100	microRNA 100	-23.02
TC11000161.hg.1	5.31	9.84	8.41E-05	0.0063 SNORA3B	small nucleolar RNA, H/ACA box 3B	-23.12
TC02002468.hg.1	5.47	10.01	0.0014	0.0246 PLA2R1	phospholipase A2 receptor 1	-23.23
TC13000464.hg.1	4.5	9.05	0.001	0.0209 RNU6-51	RNA, U6 small nuclear 51	-23.4
TC20000823.hg.1	10.91	15.47	6.44E-06	0.0025 FKSG49	FKSG49 family with sequence similarity 106, member C, pseudogene	-23.44
TC17002080.hg.1	3.7	8.25	9.28E-05	0.0066 FAM106CP	FOXP1 intronic transcript 1	-23.49
TC03001548.hg.1	2.97	7.54	0.0046	0.0479 FOXP1-IT1	transcript 1	-23.63
TC03000572.hg.1	4.56	9.15	0.0008	0.0183 CD200	CD200 molecule	-24.11
TC08001104.hg.1	7.57	12.17	0.0001	0.0071 MIR548O2	microRNA 548o- 2	-24.14
TC15000631.hg.1	10.75	15.35	0.0012	0.0224 MIR548H4	microRNA 548h- 4	-24.19
TC06001039.hg.1	1.6	6.2	0.001	0.0209 MIR3668	microRNA 3668	-24.2
TC11000807.hg.1	6.14	10.76	0.0009	0.0197 SNORD15A	small nucleolar RNA, C/D box 15A	-24.54

					small nucleolar RNA, C/D box 116-20; small nucleolar RNA, C/D box 116-21	
TC15000065.hg.1	7.3	11.93	0.0032	0.0388	SNORD116-20	-24.78
TC14000999.hg.1	13.05	17.73	2.84E-05	0.0043	MIR548AI	-25.55
					microRNA 548ai taste receptor, type 2, member 19	
TC12001238.hg.1	2.4	7.1	0.0019	0.0294	TAS2R19	-25.85
TC03001607.hg.1	12.41	17.12	3.61E-05	0.0047	MIR548G	-26.19
					microRNA 548g taste receptor, type 2, member 30; taste receptor, type 2,	
TC12001239.hg.1	4.16	8.89	0.0005	0.0141	TAS2R30; TAS member 31	-26.42
TC05001752.hg.1	5.58	10.31	0.0001	0.0075	FBN2	-26.65
					fibrillin 2 family with sequence similarity 106, member A	
TC17001223.hg.1	2.66	7.44	0.001	0.0211	FAM106A	-27.39
TC05001554.hg.1	3.82	8.6	0.0012	0.0227	SCARNA18	-27.62
					small Cajal body- specific RNA 18 microRNA 548h- 3	
TC09001222.hg.1	10.46	15.25	9.16E-06	0.0027	MIR548H3	-27.68
					small nucleolar RNA, C/D box 116-26	
TC15000069.hg.1	3.28	8.11	0.0021	0.031	SNORD116-26	-28.51
					RNA, U6 small nuclear 23, pseudogene	
TC16001238.hg.1	7.18	12.01	0.0006	0.0164	RNU6-23P	-28.52

					ribosomal protein L23a pseudogene 32; spectrin, beta, non-erythrocytic	
TC02000316.hg.1	2.38	7.22	4.42E-05	0.005	RPL23AP32; S 1	-28.57
TC08000754.hg.1	2.71	7.6	8.20E-06	0.0026	MIR1206 microRNA 1206	-29.52
TC08002503.hg.1	4.84	9.73	0.0003	0.0101	FBXO32 F-box protein 32	-29.52
					chondroitin sulfate N- acetylgalactosam inyltransferase 1	
TC08002245.hg.1	4.27	9.19	0.001	0.0208	CSGALNACT1	-30.26
					EGF-like repeats and discoidin I- like domains 3	
TC05001558.hg.1	10.33	15.26	3.21E-05	0.0045	EDIL3	-30.49
					ASAP1 intronic transcript 1	
TC08001644.hg.1	2.84	7.77	0.0012	0.0227	ASAP1-IT1	-30.58
					G protein- coupled receptor, class C, group 5, member	
TC12000182.hg.1	6.4	11.37	0.0014	0.0252	GPRC5A; MIR614; microRNA 614	-31.3
					uncharacterized	
TC01003094.hg.1	3.71	8.69	2.21E-05	0.004	LOC727820	-31.47
					RUNX1 intronic transcript 1	
TC21000946.hg.1	3.64	8.65	0.0045	0.0477	RUNX1-IT1	-32.27
					pleckstrin homology-like domain, family B, member 2	
TC03002464.hg.1	3.66	8.69	0.0002	0.009	PHLDB2	-32.56

TC14001369.hg.1	3.87	8.9	1.91E-06	0.0016	SNORA79	small nucleolar RNA, H/ACA box 79	-32.69
TC05000709.hg.1	3.84	8.87	0.0008	0.0178	SNORA74A	small nucleolar RNA, H/ACA box 74A	-32.69
TC07001990.hg.1	11.21	16.27	1.54E-06	0.0015	MIR548I4	microRNA 548i-4	-33.29
TC07001470.hg.1	5.66	10.73	0.0019	0.0291	POLR2J4	polymerase (RNA) II (DNA directed) polypeptide J4, pseudogene	-33.46
TC0X002127.hg.1	5.18	10.25	4.72E-05	0.0051	FTX	FTX transcript, XIST regulator (non-protein coding)	-33.72
TC05001888.hg.1	3.42	8.51	0.0009	0.0197	RP11-278J6.3		-33.99
TC01000218.hg.1	12.6	17.71	0.0021	0.0315	RNU1-4	RNA, U1 small nuclear 4	-34.56
TC01000225.hg.1	12.6	17.71	0.0021	0.0315	RNU1-2	RNA, U1 small nuclear 2	-34.56
TC01002265.hg.1	12.6	17.71	0.0021	0.0315	RNU1-1	RNA, U1 small nuclear 1	-34.56
TC01002274.hg.1	12.6	17.71	0.0021	0.0315	RNU1-3	RNA, U1 small nuclear 3	-34.56
TC01003162.hg.1	12.6	17.71	0.0021	0.0315	RNVU1-18	RNA, variant U1 small nuclear 18	-34.56
TC14000214.hg.1	12.6	17.71	0.0021	0.0315	RNU1-27P	RNA, U1 small nuclear 27, pseudogene	-34.56

TC14001027.hg.1	12.6	17.71	0.0021	0.0315	RNU1-28P	RNA, U1 small nuclear 28, pseudogene	-34.56
TC02003321.hg.1	4.24	9.35	0.0002	0.0087	ZNF638-IT1	ZNF638 intronic transcript 1	-34.7
TC05002649.hg.1	3.84	8.98	0.0016	0.0268	SNORA74A	small nucleolar RNA, H/ACA box 74A	-35.2
TC16000936.hg.1	7.62	12.8	3.02E-05	0.0044	LOC10019098	LOC100190986 uncharacterized	-36.13
TC01003634.hg.1	11.85	17.03	8.09E-05	0.0063	MIR548F1	microRNA 548f-1	-36.31
TC02003892.hg.1	4.04	9.24	0.0024	0.0333	SCARNA5	small Cajal body-specific RNA 5	-36.82
TC07001728.hg.1	3.97	9.17	3.62E-05	0.0047	LINC01004	long intergenic non-protein coding RNA 1004	-36.83
TC03000403.hg.1	6.22	11.43	2.45E-07	0.0008	MIR548A2	microRNA 548a-2	-36.97
TC15001692.hg.1	3.33	8.58	0.0003	0.0105	LINC00597	long intergenic non-protein coding RNA 597	-38.05
TC01003082.hg.1	8.92	14.19	0.0044	0.0468	RNU1-13P	RNA, U1 small nuclear 13, pseudogene	-38.44
TC01003146.hg.1	8.92	14.19	0.0044	0.0468	RNU1-12P	RNA, U1 small nuclear 12, pseudogene	-38.44
TC20000388.hg.1	5.27	10.53	0.0004	0.0133	SNORD12B	small nucleolar RNA, C/D box 12B	-38.46

TC12000757.hg.1	10.41	15.71	0.0002	0.008	RNU6-36P	RNA, U6 small nuclear 36, pseudogene family with sequence similarity 106,	-39.18
TC17002531.hg.1	2.61	7.91	0.0023	0.0325	FAM106A	member A small nucleolar RNA, C/D box	-39.39
TC02001190.hg.1	3.41	8.71	0.0002	0.0085	SNORD11B	11B small nucleolar RNA, C/D box	-39.43
TC14000692.hg.1	4.15	9.47	0.0008	0.0185	SNORD114-15	114-15 N4BPL2 intronic	-40.01
TC13001415.hg.1	3.58	8.91	7.20E-05	0.006	N4BP2L2-IT2	transcript 2	-40.17
TC14000206.hg.1	10.62	15.97	0.0002	0.0079	RNU6-7	RNA, U6 small nuclear 7	-40.94
TC14001020.hg.1	10.62	15.97	0.0002	0.0079	RNU6-8	RNA, U6 small nuclear 8	-40.94
TC15001590.hg.1	10.62	15.97	0.0002	0.0079	RNU6-1	RNA, U6 small nuclear 1	-40.94
TC19000021.hg.1	10.62	15.97	0.0002	0.0079	RNU6-9	RNA, U6 small nuclear 9	-40.94
TC19000026.hg.1	10.62	15.97	0.0002	0.0079	RNU6-2	RNA, U6 small nuclear 2	-40.94
TC10001393.hg.1	4.87	10.27	0.0002	0.0081	MIR1256	microRNA 1256	-42.19
TC03001623.hg.1	8.32	13.73	1.31E-05	0.0032	MIR548A3	microRNA 548a-3	-42.31
TC02002120.hg.1	6.89	12.3	0.001	0.0209	ANKRD36B; A	ankyrin repeat domain 36B; ankyrin repeat domain 36	-42.33

					RNA, variant U1	
					small nuclear 9;	
					RNA, variant U1	
TC01003117.hg.1	12.54	17.97	0.0028	0.0361 RNVU1-9; RN	small nuclear 7	-42.98
					RNA, variant U1	
TC01003132.hg.1	12.54	17.97	0.0028	0.0361 RNVU1-7	small nuclear 7	-42.98
					uncharacterized	
TC0X000613.hg.1	4.33	9.79	1.94E-05	0.0038 LOC10192849	LOC101928495	-44.03
					microRNA let-7a-	
TC11002384.hg.1	3.93	9.4	0.0002	0.0091 MIRLET7A2	2	-44.34
					microRNA 548h-	
TC06001958.hg.1	5.29	10.76	1.30E-06	0.0015 MIR548H3	3	-44.51
					microRNA 548aa-	
TC16000958.hg.1	9.96	15.46	3.39E-05	0.0046 MIR548AA2	2	-45.14
					RNA, U6 small	
					nuclear 28,	
TC22000672.hg.1	5.86	11.36	0.0002	0.0097 RNU6-28P	pseudogene	-45.14
					small nucleolar	
					RNA, C/D box	
TC14000710.hg.1	2.63	8.13	0.0004	0.0129 SNORD114-3C	114-30	-45.35
					RNA, U6 small	
					nuclear 1; RNA,	
					U6 small nuclear	
TC10000099.hg.1	10.38	15.9	0.0001	0.0069 RNU6-1; RNU6	2	-45.89
					RNA, U6 small	
					nuclear 33,	
TC04001378.hg.1	10.39	15.92	9.96E-05	0.0067 RNU6-33P	pseudogene	-46.26
TC09001442.hg.1	9.23	14.78	4.15E-05	0.0049 MIR548Q	microRNA 548q	-46.82
					RNA, U1 small	
					nuclear 10,	
TC01003079.hg.1	11.15	16.71	0.0009	0.0199 RNU1-10P	pseudogene	-47.21
					RNA, variant U1	
TC01003143.hg.1	11.15	16.71	0.0009	0.0199 RNVU1-1	small nuclear 1	-47.21

TC02003185.hg.1	2.78	8.34	0.0012	0.0234 EML4	echinoderm microtubule associated protein like 4 RNA, U6 small nuclear 16,	-47.3
TC11002177.hg.1	9.46	15.02	0.0003	0.0104 RNU6-16P	pseudogene small nucleolar RNA, C/D box	-47.3
TC14000679.hg.1	3.75	9.32	0.0043	0.0465 SNORD114-4	114-4 palladin, cytoskeletal associated	-47.65
TC04002311.hg.1	4.37	9.99	0.0002	0.0087 PALLD	protein	-49.06
TC05000734.hg.1	2.73	8.38	2.87E-05	0.0043 VTRNA1-1	vault RNA 1-1 RNA, U6 small nuclear 10,	-50.45
TC07001604.hg.1	5.49	11.16	0.0008	0.0188 RNU6-10P	pseudogene RNA, U6 small nuclear 34,	-50.99
TC04001397.hg.1	8	13.73	1.66E-05	0.0035 RNU6-34P	pseudogene ribosomal protein L36a	-52.9
TC09000186.hg.1	4.66	10.38	2.22E-06	0.0016 RPL36AP33	pseudogene 33 ankyrin repeat domain 36C	-52.97
TC02002098.hg.1	7.75	13.48	0.0014	0.0248 ANKRD36C	small nucleolar RNA, C/D box	-53.08
TC14000667.hg.1	5.05	10.79	0.0012	0.0227 SNORD113-3	113-3	-53.3
TC16000152.hg.1	8.32	14.07	2.27E-05	0.004 MIR548X	microRNA 548x uncharacterized	-53.77
TC01000016.hg.1	4.03	9.78	0.0015	0.0258 LOC10028793	LOC100287934	-53.83

TC14000666.hg.1	4.04	9.79	0.0006	0.0166	SNORD113-2	small nucleolar RNA, C/D box	-53.96
TC02000589.hg.1	7.43	13.18	0.0008	0.018	ANKRD36; AN	ankyrin repeat domain 36; ankyrin repeat	-54.1
TC03000824.hg.1	10.57	16.33	6.69E-07	0.0012	MIR548H2	microRNA 548h- 2	-54.12
TC10001517.hg.1	5.48	11.24	0.0003	0.0108	ANKRD1	ankyrin repeat domain 1 (cardiac muscle)	-54.25
TC14000798.hg.1	3.38	9.14	0.0005	0.0143	SNORA28	small nucleolar RNA, H/ACA box 28	-54.33
TC02000954.hg.1	6.79	12.57	0.0005	0.0145	GALNT5	polypeptide N- acetylgalactosam inyltransferase 5	-55
TC20000241.hg.1	5.28	11.07	2.75E-05	0.0042	MIR644A	microRNA 644a	-55.38
TC14000676.hg.1	7.83	13.63	0.0011	0.0216	SNORD114-1	small nucleolar RNA, C/D box	-55.7
TC07000399.hg.1	8.66	14.46	0.0002	0.0085	SNORA22	small nucleolar RNA, H/ACA box 22	-55.76
TC02001167.hg.1	9.2	15.02	0.0005	0.0144	RNU6-31P	RNA, U6 small nuclear 31, pseudogene	-56.27
TC14000708.hg.1	7.02	12.87	0.0003	0.0115	SNORD114-28	small nucleolar RNA, C/D box	-57.93

					RNA, U6 small nuclear 14, pseudogene	
TC09000926.hg.1	8.71	14.57	0.0001	0.0076 RNU6-14P		-58.01
TC07000965.hg.1	9.83	15.7	0.0003	0.0108 MIR548T	microRNA 548t	-58.51
					RNA, U6 small nuclear 26, pseudogene	
TC03001605.hg.1	9.27	15.16	0.0018	0.0288 RNU6-26P		-59.26
TC09000231.hg.1	3.08	8.97	2.15E-06	0.0016 AL353791.1		-59.29
					small nucleolar RNA, C/D box	
TC15000064.hg.1	9.06	14.95	0.0037	0.0421 SNORD116-18	116-18	-59.3
					small nucleolar RNA, C/D box	
TC14000678.hg.1	7.2	13.11	0.0006	0.0164 SNORD114-3	114-3	-60.25
					small nucleolar RNA, C/D box	
TC14000703.hg.1	3.91	9.84	0.0017	0.0277 SNORD114-23	114-23	-60.86
					contactin associated protein-like 3B; contactin associated protein-like 3	
TC09000253.hg.1	4.6	10.55	0.0004	0.0137 CNTNAP3B; C	pseudogene 2	-61.98
					ribosomal protein L36a	
TC09001890.hg.1	4.31	10.26	3.06E-05	0.0044 RPL36AP33	pseudogene 33	-62.09
					RNA, U6 small nuclear 39, pseudogene	
TC18000240.hg.1	9.99	16.07	0.0005	0.0145 RNU6-39P		-67.35
					N4BPL2 intronic transcript 2	
TC13000552.hg.1	4.15	10.23	7.58E-05	0.0061 N4BP2L2-IT2		-67.53

TC01000565.hg.1	11.33	17.43	0.001	0.0212	SNORD46	small nucleolar RNA, C/D box 46	-68.3
TC0X001223.hg.1	7.06	13.19	9.32E-05	0.0066	RNU6-30P	RNA, U6 small nuclear 30, pseudogene	-69.93
TC13000632.hg.1	6.43	12.57	0.0002	0.0095	SNORA31	small nucleolar RNA, H/ACA box 31	-70.35
TC14000701.hg.1	5.7	11.84	0.0019	0.0291	SNORD114-21	small nucleolar RNA, C/D box 114-21	-70.56
TC02004412.hg.1	3.01	9.19	0.0037	0.0421	ANKRD36C	ankyrin repeat domain 36C	-72.37
TC10000148.hg.1	10.38	16.56	8.80E-05	0.0064	RNU6-15P	RNA, U6 small nuclear 15, pseudogene	-72.67
TC15000063.hg.1	8.8	15.02	0.0045	0.0478	SNORD116-17	small nucleolar RNA, C/D box 116-17; small nucleolar RNA, C/D box 116-19	-74.85
TC17001557.hg.1	4.44	10.68	0.0006	0.0153	RNU2-4P	RNA, U2 small nuclear 4, pseudogene	-75.95
TC09001698.hg.1	4.35	10.67	0.001	0.0206	RNU6ATAC	RNA, U6atac small nuclear (U12-dependent splicing)	-80.21
TC16001163.hg.1	5.27	11.6	0.0002	0.0088	RNU6-21P	RNA, U6 small nuclear 21, pseudogene	-80.73
TC01000371.hg.1	1.86	8.19	0.0048	0.0495	SCARNA1	small Cajal body- specific RNA 1	-80.84

TC07003113.hg.1	1.99	8.36	3.36E-05	0.0046 DOCK4	dedicator of cytokinesis 4	-82.51
TC17000102.hg.1	7.25	13.66	0.0047	0.0487 SNORD10	small nucleolar RNA, C/D box 10	-84.91
TC17000230.hg.1	11.21	17.67	0.0035	0.0411 SNORD3A	small nucleolar RNA, C/D box 3A	-88.4
TC01001982.hg.1	2.54	9.01	0.0009	0.0197 MIR4677	microRNA 4677	-88.62
TC09000561.hg.1	2.62	9.16	0.0002	0.0095 MIR4668	microRNA 4668	-93.1
TC14000434.hg.1	1.86	8.4	0.0008	0.018 LOC145474	uncharacterized LOC145474	-93.23
TC12001243.hg.1	2.84	9.42	8.14E-05	0.0063 TAS2R30	taste receptor, type 2, member 30	-95.45
TC14000677.hg.1	5.02	11.62	0.0026	0.0349 SNORD114-2	small nucleolar RNA, C/D box 114-2	-97.18
TC14000711.hg.1	4.28	10.91	0.0016	0.027 SNORD114-31	small nucleolar RNA, C/D box 114-31	-98.66
TC02001416.hg.1	3.22	9.92	0.0038	0.0427 SCARNA5	small Cajal body-specific RNA 5	-103.93
TC09001141.hg.1	4.16	10.9	7.81E-05	0.0062 CNTNAP3B	contactin associated protein-like 3B	-107.19
TC0X000366.hg.1	5.18	11.99	5.05E-07	0.0011 RNA5SP506	RNA, 5S ribosomal pseudogene 506	-111.82
TC12000083.hg.1	3.25	10.12	8.91E-05	0.0064 SCARNA10	small Cajal body-specific RNA 10	-117.58
TC11000580.hg.1	6.31	13.2	0.0001	0.0068 RNU6-45P	RNA, U6 small nuclear 45, pseudogene	-118.95

					small nucleolar RNA, C/D box	
TC14000693.hg.1	3.28	10.18	0.0049	0.0499	SNORD114-16	-119.98
					small nucleolar RNA, C/D box 16	
TC15001581.hg.1	5.44	12.44	0.0024	0.0336	SNORD16	-128.22
					small nucleolar RNA, C/D box	
TC15000061.hg.1	8.09	15.26	0.0039	0.0437	SNORD116-15	-144.53
					small nucleolar RNA, H/ACA box	
TC19000345.hg.1	6.96	14.17	0.0024	0.0335	SNORA68	-147.42
					small nucleolar RNA, C/D box 8	
TC14000919.hg.1	5.98	13.2	0.0017	0.0278	SNORD8	-149.28
					small nucleolar RNA, C/D box	
TC15000067.hg.1	6.46	13.81	0.0049	0.0497	SNORD116-24	-163.19
					small nucleolar RNA, H/ACA box	
TC10001589.hg.1	4.44	11.83	0.0015	0.026	SNORA12	-168.29
					RNA, 5S	
TC17001429.hg.1	4.64	12.06	0.0005	0.0152	RNA5SP440	-170.46
					ribosomal pseudogene 440	
					contactin associated	
TC09000274.hg.1	3.81	11.31	5.79E-05	0.0056	CNTNAP3B	-181.94
					protein-like 3B	
					small nucleolar RNA, C/D box	
TC14000689.hg.1	5.85	13.42	0.0011	0.0215	SNORD114-12	-188.9
					small nucleolar RNA, C/D box	
TC14000431.hg.1	1.84	9.45	1.74E-06	0.0016	SNORD56B	-195.4

TC0X000324.hg.1	4.68	12.31	3.09E-05	0.0044	SNORA11	small nucleolar RNA, H/ACA box 11	-198.27
TC14001911.hg.1	7.07	14.71	0.0001	0.0076	RPPH1	ribonuclease P RNA component H1	-199.6
TC14000664.hg.1	4.18	11.82	0.0004	0.0121	SNORD113-1	small nucleolar RNA, C/D box 113-1	-200.3
TC11000031.hg.1	3.8	11.45	0.0008	0.0181	SNORA52	small nucleolar RNA, H/ACA box 52	-200.55
TC14000705.hg.1	4.96	12.74	0.0001	0.0079	SNORD114-25	small nucleolar RNA, C/D box 114-25	-219.82
TC18000522.hg.1	4.03	11.85	9.72E-06	0.0028	SNORA37	small nucleolar RNA, H/ACA box 37	-225.65
TC09002210.hg.1	2.93	10.78	0.0002	0.0095	PAPPA	pregnancy- associated plasma protein A, pappalysin 1	-230.16
TC06001529.hg.1	5.7	13.57	0.0002	0.0094	SNORD117	small nucleolar RNA, C/D box 117	-233.7
TC6_apd_hap1000080.hg.	5.7	13.57	0.0002	0.0094	SNORD117	small nucleolar RNA, C/D box 117	-233.7
TC6_cox_hap2000158.hg.	5.7	13.57	0.0002	0.0094	SNORD117	small nucleolar RNA, C/D box 117	-233.7

TC6_dbb_hap3000147.hg.	5.7	13.57	0.0002	0.0094	SNORD117	small nucleolar RNA, C/D box 117	-233.7
TC6_mann_hap4000135.h	5.7	13.57	0.0002	0.0094	SNORD117	small nucleolar RNA, C/D box 117	-233.7
TC6_mcf_hap5000135.hg.	5.7	13.57	0.0002	0.0094	SNORD117	small nucleolar RNA, C/D box 117	-233.7
TC6_qbl_hap6000150.hg.1	5.7	13.57	0.0002	0.0094	SNORD117	small nucleolar RNA, C/D box 117	-233.7
TC6_ssto_hap7000130.hg.	5.7	13.57	0.0002	0.0094	SNORD117	small nucleolar RNA, C/D box 117	-233.7
TC17001438.hg.1	7.44	15.34	7.47E-05	0.0061	SNORA21	small nucleolar RNA, H/ACA box 21	-239.31
TC0X001158.hg.1	2.19	10.24	2.14E-05	0.0039	MIR421	microRNA 421	-265.85
TC14000702.hg.1	4.11	12.34	0.0002	0.0095	SNORD114-22	small nucleolar RNA, C/D box 114-22	-300.4
TC09002414.hg.1	3.18	11.56	0.0012	0.023	BNC2	basenuclin 2	-333.5
TC05001834.hg.1	6.28	14.74	0.0008	0.0188	SNORD63	small nucleolar RNA, C/D box 63	-352.13
TC16001156.hg.1	5.36	13.87	0.0019	0.0298	SNORA50A	small nucleolar RNA, H/ACA box 50A	-363.93
TC09000929.hg.1	2.31	10.82	5.83E-05	0.0056	MGC24103	uncharacterized MGC24103	-364.66
TC07000971.hg.1	3.24	11.87	1.66E-05	0.0035	RNY5	RNA, Ro-associated Y5	-395.64

TC14000671.hg.1	3.72	12.49	4.10E-06	0.002	SNORD113-6	small nucleolar RNA, C/D box 113-6	-434.45
TC14000918.hg.1	4.67	13.5	0.0004	0.0132	SNORD9	small nucleolar RNA, C/D box 9	-455.27
TC11002383.hg.1	2.49	11.4	0.0004	0.0123	BLID	BH3-like motif containing, cell death inducer	-478.34
TC15000603.hg.1	2.14	11.2	4.16E-05	0.0049	RNU5B-1	RNA, U5B small nuclear 1	-530.51
TC02002862.hg.1	8.02	17.13	0.0025	0.0341	SNORD82	small nucleolar RNA, C/D box 82	-552.07
TC12000763.hg.1	2.14	11.32	0.0001	0.0077	SNORA53	small nucleolar RNA, H/ACA box 53	-580.53
TC14000694.hg.1	5.81	15.11	0.0014	0.0248	SNORD114-17	small nucleolar RNA, C/D box 114-17	-629.64
TC18000146.hg.1	2.38	11.92	1.33E-05	0.0032	MIR3975	microRNA 3975	-744.98
TC01003928.hg.1	8.01	17.92	0.0003	0.0107	RNA5S9	RNA, 5S ribosomal 9	-960.84
TC05001810.hg.1	0.5	10.66	0.0008	0.018	VTRNA2-1	vault RNA 2-1	-1139.12
TC09001602.hg.1	1.95	12.14	2.55E-05	0.0041	SNORA65	small nucleolar RNA, H/ACA box 65	-1172.44
TC01003327.hg.1	1.54	12.08	0.002	0.0309	SCARNA4	small Cajal body- specific RNA 4	-1486.89
TC02000767.hg.1	6.93	18.15	0.0017	0.0277	RNU4ATAC	RNA, U4atac small nuclear (U12-dependent splicing)	-2387.82

TC06002278.hg.1	1.28	14.25	0.0003	0.0104	SNORA20	small nucleolar RNA, H/ACA box 20	-7994.77
TC01004000.hg.1	0.64	14.16	0.0004	0.0133	RNU5E-2P	RNA, U5E small nuclear 2, pseudogene	-11806.12
TC11000172.hg.1	4.04	18.63	1.85E-05	0.0037	SNORA23	small nucleolar RNA, H/ACA box 23	-24630.45
TC01000150.hg.1	3.59	18.69	0.0003	0.0108	RNU5E-1	RNA, U5E small nuclear 1	-35332.54
TC01003920.hg.1	4.73	19.88	0.0026	0.0349	RNA5S1	RNA, 5S ribosomal 1	-36436.4
TC01003921.hg.1	4.73	19.88	0.0026	0.0349	RNA5S2	RNA, 5S ribosomal 2	-36436.4
TC01003922.hg.1	4.73	19.88	0.0026	0.0349	RNA5S3	RNA, 5S ribosomal 3	-36436.4
TC01003923.hg.1	4.73	19.88	0.0026	0.0349	RNA5S4	RNA, 5S ribosomal 4	-36436.4
TC01003924.hg.1	4.73	19.88	0.0026	0.0349	RNA5S5	RNA, 5S ribosomal 5	-36436.4
TC01003925.hg.1	4.73	19.88	0.0026	0.0349	RNA5S6	RNA, 5S ribosomal 6	-36436.4
TC01003926.hg.1	4.73	19.88	0.0026	0.0349	RNA5S7	RNA, 5S ribosomal 7	-36436.4
TC01003927.hg.1	4.73	19.88	0.0026	0.0349	RNA5S8	RNA, 5S ribosomal 8	-36436.4
TC01003929.hg.1	4.73	19.88	0.0026	0.0349	RNA5S10	RNA, 5S ribosomal 10	-36436.4
TC01003930.hg.1	4.73	19.88	0.0026	0.0349	RNA5S11	RNA, 5S ribosomal 11	-36436.4
TC01003931.hg.1	4.73	19.88	0.0026	0.0349	RNA5S12	RNA, 5S ribosomal 12	-36436.4

TC01003932.hg.1	4.73	19.88	0.0026	0.0349	RNA5S13	RNA, 5S ribosomal 13	-36436.4
TC01003933.hg.1	4.73	19.88	0.0026	0.0349	RNA5S14	RNA, 5S ribosomal 14	-36436.4
TC01003934.hg.1	4.73	19.88	0.0026	0.0349	RNA5S15	RNA, 5S ribosomal 15	-36436.4
TC01003935.hg.1	4.73	19.88	0.0026	0.0349	RNA5S16	RNA, 5S ribosomal 16	-36436.4
TC01003936.hg.1	4.73	19.88	0.0026	0.0349	RNA5S17	RNA, 5S ribosomal 17	-36436.4
TC15000602.hg.1	-0.72	15.45	0.0001	0.0079	RNU5A-1	RNA, U5A small nuclear 1	-73381.42
TC11000967.hg.1	-2.81	13.84	0.0005	0.0138	RNA5SP348	RNA, 5S ribosomal pseudogene 348	-103409.1
TC05000402.hg.1	-1.3	15.56	5.10E-06	0.0022	RNU5E-1; RNL	RNA, U5E small nuclear 1; RNA, U5D small nuclear 1	-119352.7