Supplementary Information

Characterization of the Cellular and Transcriptomic Landscapes of Natural Killer Cells in Hematopoietic Microenvironment of Myelodysplastic Syndrome

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Supplementary Information

Supplementary Table S1. The details of MDS patients and HDs.

Supplementary Table S2. The cytokines used in this study.

Supplementary Table S3. Antibodies for flow cytometry assay in the study.

Supplementary Table S1. The details of MDS patients and HDs.

Grouping	Number	Gender	Age (year-old)
HD group	HD-1	Female	39
	HD-2	Male	39
	HD-3	Female	15
	HD-4	Female	26
	HD-5	Female	16
	HD-6	Male	41
	HD-7	Male	58
	HD-8	Male	30
	HD-9	Male	44
	HD-10	Male	41
	HD-11	Male	36
	HD-12	Female	50
	HD-13	Female	42
	HD-14	Male	42
	HD-15	Male	47
	HD-16	Female	31
	HD-17	Male	32
MDS group	AML-1	Male	56
	AML-2	Male	62
	AML-3	Female	54
	AML-4	Female	39
	AML-5	Female	55
	AML-6	Male	22
	AML-7	Female	42
	AML-8	Male	54
	AML-9	Male	32

	AML-10	Male	60
	AML-11	Male	51
	AML-12	Female	39
	AML-13	Male	58
	AML-14	Female	47
	AML-15	Female	55
	AML-16	Female	35
	AML-17	Male	24

Supplementary Table S2. The cytokines used in this study.

Reagent	Cat. No.	Conc.	Source
Recombinant Human IL-2 (rhIL-2)	200-02	100 ng/uL	PeproTech Inc, USA
Recombinant Human IL-15 (rhIL-15)	200-15	10 ng/uL	PeproTech Inc, USA
Recombinant Human IL-18 (rhIL-18)	119-BP-100	10 ng/uL	R&D Systems, USA

Supplementary Table S3. Antibodies for flow cytometry assay in the study.

Antibody	Cat. No.	Source
Anti-CD3-PE	981004	BioLegend
anti-CD3-APC	317318	BioLegend
Anti-CD25-FITC	356106	BioLegend
Anti-CD4-PE	357403	BioLegend
Anti-CD8-PE-Cy7	344711	BioLegend
Anti-CD16-FITC	302005	BioLegend
Anti-NKG2D-perCP-Cy5.5	320817	BioLegend
Anti-CD56-APC	362503	BioLegend
Anti-CD56-perCP-Cy5.5	362505	BioLegend
Anti-CD107a-PE-Cy7	328617	BioLegend
7-AAD	559925	BD Pharmigen
PE anti-human IgG	409304	BioLegend
Percision Count Beads	424902	BioLegend
DAPI	MBD0015	Sigma-Aldrich
Cell Cycle and Apoptosis Detection Kit	C1052	Beyotime Biotehnology
CellTrace Voilet	C34557	Invitrogen™
Annexin V-FITC	AO2001-02G	Tianjin Sungene Biotech
Annexin V binding buffer (10X)	AB2000-G	Tianjin Sungene Biotech
FITC Annexin V-PI kit	640914	Biolegend

Antibody	Cat. No.	Source
Anti-CD25-APC	302609	Biolegend
PE-Foxp3	12-5773-82	eBioscience
anti-CD3-FITC	317305	Biolegend
Anti-CD4-APC	300514	Biolegend
APC-Cy7-FVD	L34971	Invitrogen
Anti-CD4-APC-Cy7	344615	Biolegend
Anti-NKp44-APC-Cy7	325123	Biolegend
Anti-NKp46-PE-Cy7	331915	Biolegend

Supplementary file 2: Supplementary Table S4. RNA-SEQ data of eMDS-NKs and eHD-NKs

Gene ID	Gene Syml	HD_1	HD_2	HD_3	MDS_1	MDS_2	MDS_3
1	'A1BG'	3.05	6.09	5.9	3.36	4.51	2.88
100	'ADA'	44.85	61.93	96.84	33.46	38.74	89.47
1000	'CDH2'	0.31	0.28	0.1	0.07	0.04	0.14
10000	'AKT3'	10.05	6.21	5.79	5.93	13.96	8.48
10001	'MED6'	20.8	15.33	21.78	16.18	20.97	22.11
10002	'NR2E3'	0	0	0	0	0.11	0.06
10003	'NAALAD2'	1.05	1.05	0.58	0.59	0.56	1.11
100037417	'DDTL'	3.99	2.61	4.32	3.25	7.15	3.77
10004	'NAALADL1	7.33	8.38	4.61	4.27	4.92	3.51
100049587	'SIGLEC14	0	0	0.28	0	0	0.06
10005	'ACOT8'	26.92	29.65	47.07	23.89	38.72	36.8
10006	'ABI1'	59.02	45.45	38.59	41.68	47.07	58.85
10007	'GNPDA1'	20.68	13.31	16.29	21.81	29.13	26.8
10008	'KCNE3'	0	0	0.4	0.03	0.07	0.04
10009	'ZBTB33'	20.86	11.29	9.94	16.93	19.05	17.89
1001	'CDH3'	0.06	0.06	0.02	0.07	0.21	0.05
10010	'TANK'	160.9	121	95.94	108.45	132.58	169.77
100101267	'POM121C'	70.43	33.27	26.64	22.49	43.19	37.85
100101467	'ZSCAN30'	2.36	2.58	2.37	2.53	5.53	4.52
10011	'SRA1'	51.67	49.51	52.5	42.75	38.97	62.44
100113407	'TMEM170E	1.7	1.14	1.02	1.45	2.07	0.54
100125288	'ZGLP1'	0.62	0.62	0.2	0.58	0.11	0.78
100127983	'C8orf88'	8.42	6.13	3.96	4.26	3.94	4.1
100128071	'FAM229A'	8.1	9.78	2.59	5.1	7.31	8.94
100128108	'LOC10012	9.26	8.39	6.15	7.1	11.91	6.5
100128553	'CTAGE4'	2.8	2.82	1.9	1.68	1.11	3.06
100128569	'C19orf71	1.77	0.87	0.64	0.81	2.45	0.5
100128731	'OST4'	1471.2	1751.3	1473.1	1751.04	1468.11	1444.55
100128908	'LMLN2'	0	0	0.04	0	0	0
100128927	'ZBTB42'	2.32	1.46	3.22	1.6	2.94	3.76
100129094	'BTNL10'	0.08	0.03	0.16	0.08	0.12	0.04
100129128	'KHDC1L'	0	1.28	0.42	0.99	0	0.74
100129250	'SMIM27'	7.33	13.29	8.3	11.81	13.13	6.64
100129278	'TDRD15'	0.05	0.01	0.01	0	0.11	0.01
100129307	'LOC10012	0.2	0	0	0	0	0
100129361	'SMIM10L1	9.79	10.63	8.46	9.31	11.05	10.99
100129396	'FAM106C'	0	0	0	0	0.12	0.08
100129480	'MKRN2OS'	0	0.29	0.26	0.26	0.12	0.15
100129484	'LOC10012	0	0	0.04	0	0.12	0
100129515	'ETDB'	0.04	0	0.06	0	0	0
100129528	'MUC8'	0	0.14	0.14	0	0	0.27
100129543	'ZNF730'	0.28	0	0.13	0	0	0
100129583	'FAM47E'	0	0	0.06	0	0	0
100129654	'TCF24'	0	0	0.04	0	0	0
100129697	'LOC10012	0	0.07	0	0	0	0
100129792	'CCDC152'	1.53	1.17	1.85	1.66	2.02	1.79
100129842	'ZNF737'	1.95	1.62	2.05	1.67	6.15	4.48
100129924	'TMEM269'	0.23	0.14	0.06	0.16	0.09	0.37
10013	'HDAC6'	28.38	21.15	22.5	13.19	29.61	29.22

100130086	'HSFX2'	0.34	0.36	0.31	0.28	1.35	0.42
100130274	'CCDC166'	0	0	0	0	0.09	0
100130311	'C17orf1(	0.08	0.09	0.27	0.11	0.69	0.25
100130519	'TMEM221'	0.09	0.15	0.1	0	0.05	0.23
100130520	'CD300H'	0	0	0	0	0	0.16
100130705	'ATP6V1FI	1.43	0.91	0.36	0.71	1.04	0.57
100130733	'LRRC70'	3.71	3.42	2.58	2.78	1.4	1.57
100130742	'LRRC69'	0.22	0.17	0	0.23	0.26	0.19
100130771	'EFCAB10'	0.18	1.07	0.39	0.52	0.48	0.67
100130890	'TSTD3'	1.56	1.46	4.13	1.22	3.37	6.12
100130933	'SMIM6'	0	0.51	0.4	0.56	0.31	0
100130958	'SYCE1L'	2.17	3.44	0.91	0.86	3.41	1.17
100131017	'ZNF316'	24.87	16.6	13.56	12.29	19.89	17.13
100131107	'LOC1001	0.09	0	0	0	0	0
100131187	'TSTD1'	66.7	108.19	67.94	108.92	87.22	70.33
100131211	'NEMP2'	8.17	5.51	6.6	5.86	4.94	4.94
100131244	'ANKRD63'	0.06	0	0.02	0	0.09	0.05
100131303	'DPEP2NB'	0.26	0	0	0	0	0
100131378	'C11orf91	1.02	0.13	0.98	0.92	0	1.53
100131390	'SP9'	0	0.08	0	0	0	0
100131439	'CD300LD'	0	0	0	0	0.18	0
100131539	'ZNF705E'	0.38	0.25	0.39	0.31	0.32	0.75
100131755	'ARMCX4'	0.3	0.5	0.33	0.39	0.14	0.48
100131801	'PET100'	47.98	57.28	59.77	68.05	36.96	55.58
100131827	'ZNF717'	1.6	0.87	1.81	0.98	2.63	1.4
100131897	'INSYN2B'	0.05	0.07	0.04	0.13	0.11	0.08
100132015	'TEX13D'	0.03	0.02	0.02	0.04	0	0
100132074	'FOXO6'	0.09	0.07	0.03	0.09	0.07	0.12
100132247	'NPIPB5'	123.75	89.34	74.79	102.11	81.99	104.32
100132285	'KIR2DS2'	117.03	111.37	0.75	1.95	1.5	1.48
100132396	'ZNF705B'	0	0	0	0.09	0	0
100132406	'NBPF10'	9.87	5.15	5.47	4.35	6.19	8.41
100132565	'GOLGA8F'	0	0.04	0	0.06	0	0.23
100132911	'DPH3P1'	2.12	1.37	1.05	2.03	1.56	2.19
100132916	'SHISAL2E	0	0	0	0	0.18	0
100132963	'SMIM9'	0.16	0	0	0	0.12	0
100133204	'C9orf147	0	0.09	0.03	0	0.18	0.1
100133220	'GOLGA6L3	0.31	0.37	0.09	0.16	0.21	0
100133251	'PRR23D2'	0	0	0.2	0.12	0.07	0.08
100133315	'LOC1001	1.28	0.73	1.84	0.83	0.86	1.47
100133941	'CD24'	0.29	0.28	6.48	0.86	0.19	1.2
100134934	'TEN1'	57.25	53.18	35.98	62.02	38.19	57.99
100134938	'UPK3BL1'	3.96	4.8	34.75	58.53	19.19	88.56
100137047	'JMJD7'	11.44	17.28	14.28	8.39	17.3	14.73
100137049	'PLA2G4B'	3.51	11.5	3.04	6.07	10.04	9.64
10014	'HDAC5'	18.64	14.08	8.33	11.35	26.3	11.89
100141515	'C17orf99	0	0	0.24	0	0	0
100142659	'CTAGE8'	1.86	0.88	0.83	1.95	1.05	3.17
100144748	'KLLN'	0.44	0.27	0.52	0.23	0.73	0.69
10015	'PDCD6IP'	60.36	41.7	41.24	34.12	56.83	52.36
10016	'PDCD6'	101.47	103.61	145.44	117.18	98.89	131.74
10017	'BCL2L10'	0	0.18	0.18	0.17	0	0
100170229	'SRRM5'	0.27	0.37	0.29	0.35	0.43	0.58
100170765	'ERICH4'	0.17	0.13	0.13	0	0	0

100170841 'EPOP'	14.38	11.44	10.46	9.14	12.94	12.45
10018 'BCL2L11'	62.32	40.06	25.16	40.77	52.06	66.39
100188893 'TOMM6'	91.18	107.88	161.74	109.01	66.89	102.03
10019 'SH2B3'	20.4	11.61	12.09	12.53	10.37	15.91
100190949 'C5orf52'	0.18	0.2	0.4	0.06	0.07	0.35
100191040 'C2CD4D'	2.21	1.84	2.11	1.76	1.99	4.38
1002 'CDH4'	0.06	0	0.01	0	0	0.02
10020 'GNE'	10.09	7.18	8.76	6.5	10.18	11.22
10021 'HCN4'	0	0	0	0.03	0	0
10023 'FRAT1'	5.53	5.61	4.38	5.17	7.06	7.49
10024 'TROAP'	57.14	41.95	73.57	34.54	7.91	22.49
10025 'MED16'	34.23	21.9	32.14	18.2	43.03	43.8
10026 'PIGK'	9.32	6.12	9.95	4.76	7.91	11.63
100271715 'ARHGEF33	0.21	0.12	0.08	0.07	0.24	0.17
100271849 'MEF2B'	2.56	4.78	4.86	4.55	5.59	15.79
100271927 'RASA4B'	5.65	4.89	4.51	4.01	6.33	8.48
100272147 'CMC4'	13.92	17.16	15.26	21.53	18.23	18.65
100287036 'LOC10028	0.87	1.1	0.43	1.61	1.81	0.33
100287045 'FAM90A26	0	0	0	0.22	0	0
100287171 'WASHC1'	204.97	222.41	157.97	167.7	179.75	224.86
100287284 'MANSC4'	0	0.13	0	0	0	0
100287327 'USP17L17	0	0	0	0	0.01	0
100287482 'SMKR1'	2.17	3.15	5.34	5.06	2.85	2.81
100287718 'ANKRD66'	0	0	0	0.1	0	0
100287896 'LOC10028	1.06	1.16	0.65	1.59	2.39	1.12
100287898 'TTC34'	0.26	0.18	0.2	0.09	0.31	0.65
100287932 'TIMM23'	119.63	101.69	136.84	104.66	58.82	114.71
100288072 'SDR42E2'	0.09	0	0	0	0	0.04
100288142 'NBPF20'	0.82	0.54	0.39	0.54	1.18	2.06
100288332 'NPIPA5'	105.51	84.62	39.59	59.89	81.61	73.4
100288413 'ERVMER34	0	0	0	0.05	0	0
100288562 'LOC10028	0	0	0.02	0	0	0
100288687 'DUX4'	0.16	0.06	0.07	0.29	0.25	0
100288695 'LIMS4'	1.42	0.5	0.69	0.34	0.54	1.45
100289187 'TMEM225B	1.32	3.13	1.67	1.92	5.62	2.4
100289279 'CNTNAP3C	0.09	0.07	0	0	0	0
100289561 'LOC10028	22.12	18.77	11.26	14.44	22.5	19.36
100289635 'ZNF605'	1.05	1.35	0.63	1.09	3.33	1.6
100289678 'ZNF783'	10.35	8.4	6.21	6.59	6.04	9.3
100293516 'ZNF587B'	5.25	3.86	2.26	4.19	3.23	3.88
100302652 'GPR75-AS	5.03	0	0.13	0	0.4	0
100302736 'TMED7-TI	1.08	0.56	0.59	0.28	0.75	1.16
100303755 'PET117'	8.82	7.45	7.7	7.98	8.41	9.98
100310812 'SPDYE2B'	2.66	1.76	4.12	4.4	3.19	6.48
100310846 'ANKRD61'	1.32	0.08	0.08	0.28	0.08	0.44
100316904 'SAP25'	35.48	44.61	30.58	28.12	25.85	28.56
100329135 'TRPC5OS'	0	0	0	0	0	0.08
10036 'CHAF1A'	54.21	30.67	51.91	25.21	32.36	27.83
10038 'PARP2'	20.01	16.63	24.74	14.07	25.9	19.46
100381270 'ZBED6'	13.08	3.63	1.55	3.67	4.36	4.02
10039 'PARP3'	9.22	9.38	8.39	9.47	10.17	12.11
1004 'CDH6'	0.01	0.02	0.01	0.01	0	0
10040 'TOM1L1'	0	0	0.05	0.04	0	0
10042 'HMGXB4'	19.68	14.97	17.55	12.49	13.16	15.63

100423062	'IGLL5'	51.23	7.01	380.33	9.43	11.76	2443.86
10043	'TOM1'	28.35	22.05	16.26	22.14	41.59	35.67
100431172	'KLRF2'	1.01	2.09	0.56	0.88	1.17	0.22
10044	'SH2D3C'	50.85	29.44	40.13	24.95	50.36	40.04
10045	'SH2D3A'	18.06	15.8	19.58	19.47	17.8	32.06
10046	'MAMLD1'	3.62	4.47	5.2	1.06	6.58	3.5
100462977	'MTRNR2L1	153.07	204.37	410.54	222.9	430.37	346.29
100462981	'MTRNR2L2	7766.2	5604.4	6315.2	4835.78	8089.43	6394.21
100462983	'MTRNR2L3	0.46	0.01	0	35.99	57.95	39.61
100463285	'MTRNR2L4	0	0.06	0	0.12	0	0
100463289	'MTRNR2L5	0	0	0	0	0.06	0
100463482	'MTRNR2L6	8.64	8.83	10.52	7.87	16.71	11.78
100463486	'MTRNR2L8	3012.9	2459.3	3220.2	2074.32	3583.19	3158.49
100463487	'MTRNR2L9	132.91	130.84	166.1	84.08	179.15	131.79
100463488	'MTRNR2L1	3.98	5.84	5.98	13.85	24.82	14.28
10048	'RANBP9'	92.41	64.64	59.16	75.49	59.63	84.99
10049	'DNAJB6'	103.02	90.9	108.38	78.13	87.18	156.69
100499483	'CCDC180'	1.9	1.26	1.12	1.29	1.79	1.61
1005	'CDH7'	0	0	0.01	0.01	0	0
100500938	'CCDC179'	0	0	0	0	0.16	0
100505385	'IQCJ-SCH	0	0.12	0.34	0	0	0
100505478	'TEX48'	1.04	1.72	0.92	2.74	1.29	4.14
100505502	'LOC1005(	0.19	0.07	0.04	0.03	0.04	0.04
100505573	'INAFM2'	6.02	3.9	4.72	3.02	5.89	6.3
100505591	'LRRC3C'	0.57	0.14	0	0.27	0.09	0
100505679	'UBE2Q2L'	0.12	0.26	0.13	0	0.05	0.15
100505741	'SPATA1'	0.14	0.18	0.21	0.05	0.33	0.42
100505753	'KRTAP16-	0.36	0.14	0.07	0.26	0	1.04
100505767	'SPDYE18'	1.21	1.14	1.53	0.44	1.59	1.05
100505876	'CEBPZOS'	73.88	75.63	79.08	92.34	104.24	73.67
100505989	'SMIM31'	0	0	0	0.05	0.03	0.11
100506012	'PPP5D1'	4.68	1.13	0.27	0.6	1.85	1.18
100506013	'APELA'	0	0	0	0	0	0.05
100506084	'ARL17B'	5.17	2.59	4.4	6.81	15.56	5.38
100506115	'PELATON'	0	0	0.05	0.14	0	0.06
100506127	'GVQW3'	0.86	0.33	0.44	0.51	1.78	0.82
100506144	'TMEM35B'	23.81	27.68	43.24	32.24	67.64	60.4
100506164	'HSFX1'	0.01	0.01	0	0.01	0	0
100506243	'KRBOX1'	0	0	0	0.21	0	0.27
100506374	'EDDM13'	0.38	0.43	2.41	0.94	1.33	1.17
100506514	'LOC1005(	0.35	0.19	0.05	0.09	0	0.06
100506540	'SPTY2D1(	0.6	0	0	0	0	0
100506564	'THEGL'	0	0	0.08	0	0.25	0
100506581	'C16orf95	2.41	2.21	6.81	2.18	2.21	4.32
100506658	'OCLN'	2.31	2.45	2.36	2.59	0.59	0.44
100506736	'SLFN12L'	31.46	13.23	9.19	11.46	18.01	18.63
100507050	'TPBGL'	0.04	0.23	0.07	0.15	0.21	0.62
100507290	'ZNF865'	17.71	15.41	10.23	10.27	20.72	12.77
100507341	'SMIM18'	0	0	0	0.12	0	0.08
100507421	'TMEM178E	2.23	0.58	0.54	0.2	0.69	0.82
100507436	'MICA'	15.27	11.04	18.92	20.68	25.13	31.84
100507588	'TGFBR3L'	5.5	12.28	13.08	4.71	11.6	3.2
100507607	'NPIPB9'	7.12	5.13	3.76	4.01	4.08	6.04
100507679	'MUC22'	0	0	0	0	0.02	0

100507747	C13orf4(	1.18	0.43	0.35	0.39	0.6	1.12
100509620	LOC1005(	0	0.07	0.07	0.21	0	0.06
10051	SMC4	119.22	61.13	88.67	49.6	47.19	69.57
10052	GJC1	0.1	0.01	0.01	0.02	0.2	0.07
100526664	LY75-CD3	1.43	0	0.17	0.2	0.3	0.14
100526693	ARPC4-TT	14.68	17.35	8.57	13.47	16.95	13.09
100526694	MSANTD3-	0.76	0.79	1.69	0.81	0.69	2
100526737	RBM14-RE	6.32	6.25	2.42	3.19	1.58	1.35
100526739	CENPS-CC	3.88	2	3.19	1.84	2.27	2.63
100526740	ATP5MF-P	0	0	0	0	0.4	1.46
100526771	SMIM35	5.52	5.84	4.23	3.65	4.87	6.86
100526772	STIMATE-	3.61	0	2.12	0.4	0.07	5.05
100526783	ARPIN-AP	0	0	0.09	0.08	0	0.1
100526794	NT5C1B-P	0	0	0.06	0.07	0	0
100526832	PHOSPHO2	0.57	1.2	0	0	0.49	0
100526835	FPGT-TNN	0.18	0.21	0.11	0.21	0.04	0.3
100526842	RPL17-C1	18.36	25.25	27.25	28.93	25.92	36.75
100527943	TGIF2-RA	0.69	0.53	0.57	0	0.27	1
100527949	GIMAP1-(	2.54	3.3	7.13	7.86	49.55	12.7
100527963	PMF1-BGL	4.97	2.15	5.24	5.55	3.37	9.59
100527978	TLCD4-RM	0.44	0.39	0	0	0.11	0.34
100528020	FAM187A	0	0	0	0	0.07	0.1
100528021	ST20-MTH	0	0.76	0.26	0	0	0
100528030	POC1B-GA	9.46	8.65	7.54	8.17	4.69	9.84
100528032	KLRC4-KL	1.28	3.59	0.72	1.88	4.42	2.04
100528062	ARMCX5-(	0.39	0.05	0.22	0.3	0.31	0.11
100528064	NEDD8-MI	0.25	0.44	0.66	1.51	0.32	0.39
100529063	BCL2L2-P	2.83	1.98	1.63	1.44	3.15	0.84
100529097	RPL36A-H	27.25	21.82	40.5	17.61	24.33	27.91
100529144	CORO7-PA	0.81	0.13	0.4	0.54	0.31	1.5
100529215	ZNF559-Z	0	0.1	0	0	0.24	0
100529239	RPS10-NU	3.9	1.77	6.11	3.08	1.06	3.65
100529240	ZNF816-Z	1.08	1.03	0.52	1.06	1.19	1.14
100529251	CKLF-CMT	13.25	15.38	10.42	18.64	0.53	6.99
100529257	SYNJ2BP-	0.12	0.23	0.11	0.17	0	0.14
100529261	CHURC1-P	0	2.91	1.65	1.04	0.82	1.96
10053	AP1M2	0.08	0	0	0	0.06	0.14
100532726	NDUFC2-K	0.8	0.95	1.83	0.99	0.5	2.75
100532731	COMMD3-B	16.63	19.82	16.7	14.68	13.4	25.81
100532736	MICOS10-	0.62	0	0.46	1.03	0.22	0
100533105	C8orf44-	1.14	1.73	1.85	2.4	3.08	2.79
100533106	ZHX1-C8(	2.56	2.72	3.9	2.86	3.91	5.29
100533177	KRTAP29-	0.46	0.23	0	0.11	0	0.4
100533181	FXYD6-FX	0	0	0.24	0	0	0
100533183	ZNF664-P	0	0	0	0	0	0.05
100533467	BIVM-ERC	5.41	3.17	2.09	1.37	2.79	5.16
100533496	TVP23C-(	3.27	2.73	0	0.59	3.14	3.1
100533952	RBAK-RBA	1.12	0.5	0.66	1.13	0.83	1.96
100534012	TNFAIP8L	5.91	11.06	9.99	11.85	9.1	19.68
100534592	URGCP-MR	0	0	0.48	1.36	0.98	1.26
100534599	ISY1-RAE	20.56	12.48	19.71	11.29	15.32	23.07
10054	UBA2	107.43	61.93	87.12	56.17	80.8	74.77
10055	SAE1	148.31	104.51	185.78	85.93	93.58	118.04
10056	FARSB	36.22	22.13	57.08	26.22	15.2	45.92

10057	'ABCC5'	9.11	6.54	6.64	5.96	13.09	10.99
10058	'ABCB6'	12.55	7.52	14.15	5.67	26.13	21.61
10059	'DNM1L'	37.45	28.02	27.15	23.19	15.24	32.99
10060	'ABCC9'	3.75	2.49	1.49	2.3	2.23	3.08
10061	'ABCF2'	13.06	9.34	16.63	8.63	5.47	18
10062	'NR1H3'	2.59	3.56	5.46	2.41	8.52	6.85
10063	'COX17'	225.86	234.93	315.89	276.52	100.73	200.2
100652748	'TIMM23B'	18.16	12.1	6.95	13.18	3.64	11.18
100652777	'LOC1006	2.44	0.71	1.13	1.4	3.21	1.48
100652833	'LOC1006	0.1	0.09	0.02	0.09	0.08	0.03
100653133	'LOC1006	0.4	0.38	0.07	0.35	0	0.35
100653515	'CEP295NI	0	0	0	0	0	0.06
10066	'SCAMP2'	167.59	123.26	159.93	125.32	155.4	225.6
10067	'SCAMP3'	153.55	120.92	142.98	123.71	105.68	150.68
10068	'IL18BP'	20.25	16.47	10.5	10.99	10.39	14.55
10069	'RWDD2B'	5.36	7.36	14.79	3.42	12.15	17.61
10071	'MUC12'	0.06	0.08	0.08	0.1	0.1	0.08
10072	'DPP3'	54.7	35.32	51.97	32.57	19.58	44.97
10073	'SNUPN'	14.91	12.58	22.06	14.1	18.32	23.03
10075	'HUWE1'	98.03	33.14	37.9	25.82	34.63	47.59
10076	'PTPRU'	0.13	0.08	0.02	0.11	0.19	0.11
10077	'TSPAN32'	39.8	60.07	39.94	29.76	63.02	72.23
10078	'TSSC4'	52.05	46.09	44.69	47.39	35.33	54.45
10079	'ATP9A'	0.35	0.31	0.06	0.26	0.09	0.06
10081	'PDCD7'	22.22	14.58	14.93	19.39	26.18	21.72
10082	'GPC6'	0.05	0	0.02	0.02	0.02	0.14
10084	'PQBP1'	101.91	97.9	101.78	107.74	98.1	133.75
100861412	'FSBP'	0.33	0	0.03	0.31	0.92	0.66
100861540	'CYP3A7-C	0.06	0	0	0	0	0
100862671	'TMEM265'	11.79	9.77	6.44	9.89	9.27	9.37
10087	'CERT1'	25.18	10.87	11.16	11.19	12.89	16.76
100873985	'MED14OS'	1.47	0.83	1.23	1.29	1.43	0.8
100874261	'CCDC200'	0.51	0	0	0.35	0	0
100885848	'PTGES3L'	0.4	0	0.13	0.09	0.16	0.37
100885850	'PTGES3L-	0.12	0.3	0.01	0.28	0.3	0.25
10089	'KCNK7'	3.18	2.41	2.3	2.09	0.64	2.95
10090	'UST'	0.3	0.36	0.23	0.68	0.91	0.54
100913187	'APOBEC3A	0.16	0	0	0	0	0
10092	'ARPC5'	32.04	23.07	47.57	21.24	28.34	33.81
10093	'ARPC4'	237.46	223.84	319.53	222.85	190.91	256.03
10094	'ARPC3'	537.17	620.82	743.12	593.89	513.31	652.29
10095	'ARPC1B'	348.82	308.15	525.48	240.14	291.51	399.28
10096	'ACTR3'	128.55	79.05	157.81	77.59	83.14	133.02
10097	'ACTR2'	326.7	190.46	255.01	191	158.49	226.88
10098	'TSPAN5'	18.56	14.4	20.36	11.04	27.23	18.97
10099	'TSPAN3'	37.96	32.07	34.98	23.36	29.04	33.92
100996259	'FAM106B'	0.1	0.14	0.14	0.07	0.16	0.1
100996379	'LOC1009	0.15	0.22	0.11	0.1	0.11	0
100996492	'CTXND1'	0.16	0.22	0.04	0.3	0.03	0.05
100996574	'LOC1009	0.23	0	0	0.16	0.36	0.2
100996598	'LOC1009	0	0	0.48	0.45	0.25	0
100996693	'SPEGNB'	0	0	0	0.15	0.33	0
100996701	'LOC1009	0	0	0.06	0	0	0
100996709	'LOC1009	6.52	3.35	4.64	1.87	6.86	6.26

100996717	'NOTCH2NL	10.06	6.75	4.51	7.59	6.74	7.53
100996746	'SPDYE11'	3.32	3.18	3.24	2.41	2.21	3.28
100996747	'LOC1009	48.73	33.54	34.47	29.1	18.4	30.28
100996758	'NPY4R2'	0	0	0.06	0	0	0
100996763	'NOTCH2NL	6.58	2.2	2.05	5.2	7.29	3.79
100996842	'LOC1009	5.6	5.83	5.08	2.36	17.36	2.5
100996928	'FMC1-LUC	2.75	4.12	3.93	4.63	3.96	8.99
100996939	'PYURF'	63.04	61.05	51.56	62.83	37.13	65.21
101	'ADAM8'	136.28	152.31	107.6	69.52	194.33	183.88
1010	'CDH12'	0.44	0.28	0.28	0.38	0.51	0.06
10100	'TSPAN2'	7.42	5.28	7.02	6.28	8.22	5.24
10101	'NUBP2'	65.62	66.18	70.88	52.97	62.4	69.94
10102	'TSFM'	20.42	20.35	30.55	20	12.4	24.67
10103	'TSPAN1'	0.1	0	0	0	0.08	0.23
10105	'PPIF'	199.2	161.4	174.98	125.79	70.38	180.98
101059906	'LOC1010	0	0	0.14	0	0.05	0.22
101059915	'LOC1010	0	0	0	0	0	0.13
101059918	'GOLGA8R'	47.46	29.94	3.12	3.24	1.99	3.68
101059938	'NPIPA7'	109.23	110.25	101.96	79.7	125.9	113.43
101059949	'LOC1010	0	0	0	0.34	0	0
101059953	'NPIPA8'	9.62	7.82	2.11	4.23	3.21	4.36
10106	'CTDSP2'	56.14	36.04	35.06	38.45	77.21	58.16
101060017	'LOC1010	0	0	0.08	0	0	0.09
101060024	'LOC1010	0	0	0	0	0.08	0.09
101060179	'LOC1010	2.52	1.33	1.66	1.69	0.73	1.9
101060200	'ZNF891'	0.97	0.52	0.98	0.78	1.68	0.85
101060226	'NBPF19'	19.27	11.15	5.87	11	10.31	12.39
101060233	'OPN1MW3'	0	0	0	0	0	0.04
101060301	'HNRNPCL4	0	0.12	0	0	0	0
101060321	'TBC1D3G'	2.09	1.3	0.75	0.71	2.83	1.67
101060341	'LOC1010	50.18	22.71	20.55	18.52	35.76	54.51
101060351	'TBC1D3K'	0.79	0.43	0.67	0.31	0.54	5.25
101060376	'TBC1D3L'	28.1	23.03	21.63	24.92	52.41	35.86
101060389	'TBC1D3D'	1.49	1.04	0.17	1.59	2.27	0.94
101060684	'NBPF26'	26.15	14.33	8.53	8.57	10.17	12.02
10107	'TRIM10'	0	0	0	0	0	0.03
10109	'ARPC2'	1043.9	920.9	1116.9	808.78	791.86	884.45
10110	'SGK2'	0.15	0.06	0.11	0.1	0.29	0.06
10111	'RAD50'	13.69	7.66	11.48	6.79	10.26	12.44
10112	'KIF20A'	21.2	11.77	21.86	6.77	3.51	8.09
10113	'PREB'	53.81	47.84	72.66	40.19	80.76	84.27
10114	'HIPK3'	24.93	14.74	11.78	15.29	13.79	18.55
10116	'FEM1B'	25.44	17.6	12.41	17.59	15.03	16.63
10120	'ACTR1B'	50.41	60.63	60.94	41.95	83.18	62.06
10121	'ACTR1A'	93.56	63.76	79.54	54.38	52.78	74.51
10123	'ARL4C'	671.88	492.41	355.26	465.32	349.68	475.49
10124	'ARL4A'	28.35	23.02	25.46	26.3	25.72	31.8
10125	'RASGRP1'	150.85	88.45	63.44	89.56	179.26	123.42
10126	'DNAL4'	10.58	12.94	11.92	16.22	16.66	12.25
10127	'ZNF263'	22.28	19.38	15.3	16.03	22.12	17.66
10128	'LRPPRC'	41.41	21.28	40.33	24.55	26.52	30.9
10129	'FRY'	1.45	0.87	0.86	0.26	0.55	1.51
1013	'CDH15'	0	0.03	0.07	0	0	0
10130	'PDIA6'	222.53	150.31	198.5	143.48	220.72	178.29

10131	'TRAP1'	43.05	28.98	69.69	27.81	22.4	36.72
10133	'OPTN'	106.5	75.74	86.4	75.32	133.94	129.73
10134	'BCAP31'	244.44	262.29	290.5	286.2	251.74	337.36
10135	'NAMPT'	72.56	49.67	61.44	46.26	74.44	96.43
10137	'RBM12'	34.16	17.9	19.43	18.38	21.66	20.92
10138	'YAF2'	26.13	25.68	21.01	21.63	20.24	26
10139	'ARFRP1'	22.46	22.18	30.29	12.24	25.33	27.18
1014	'CDH16'	0.05	0	0	0	0	0
10140	'TOB1'	46.35	55.07	72.79	54.15	72.83	128.98
101410538	'MMP24OS'	58.48	71.87	29.54	52.86	113.74	60.22
10142	'AKAP9'	19.27	10.57	7.79	11.49	11.42	14.93
10144	'FAM13A'	4.15	3.52	1.75	3.44	22.97	4.84
10146	'G3BP1'	29.76	16.97	25.14	16.56	23.28	25.75
10147	'SUGP2'	83.12	52.66	37.55	36.01	43.04	61.48
10148	'EBI3'	1.18	1.09	1.37	0.37	2.76	3.91
10149	'ADGRG2'	35.56	30.68	12.98	11.88	3	12.87
1015	'CDH17'	1.41	2.61	1.32	0.13	1.19	1.18
10150	'MBNL2'	16.35	12.14	10.83	13.37	19.2	15.48
10152	'ABI2'	8.26	7.73	8.99	6.73	13.03	11.66
10153	'CEBPZ'	22.79	19.22	22.24	15.86	21.66	29.42
10154	'PLXNC1'	8.03	4.39	4.41	5.29	8.87	4.57
10155	'TRIM28'	214.55	137.68	191.02	129.6	152.87	143.14
10156	'RASA4'	12.03	7.26	13.46	11.3	6.13	13.79
10157	'AASS'	0.82	0.64	0.48	0.61	0.46	2.47
10158	'PDZK1IP1	0	0	0.3	0	0	0
10159	'ATP6AP2'	84.39	71.18	62.34	72.14	76.04	72.38
10160	'FARP1'	2.2	1.47	0.85	1.49	0.91	1.32
10161	'LPAR6'	251.6	303.57	143.43	199.44	253.43	260.47
10162	'LPCAT3'	33.57	21.53	35.12	19.33	33.39	43.57
10163	'WASF2'	86.12	39.54	44.03	43.86	60.66	56.87
10165	'SLC25A13	6.3	5.95	5.33	5.26	2.71	6.54
10166	'SLC25A15	4.42	3.1	4.39	3.55	6.15	2.88
10168	'ZNF197'	4.18	3.82	3.06	3.61	4.73	6.22
10169	'SERF2'	149.13	204.02	204.33	217.55	185.58	186.44
1017	'CDK2'	73.09	47.11	73.46	35.72	58.58	43.91
10170	'DHRS9'	0.1	0	0.95	0.44	0.15	0.16
10171	'RCL1'	18.2	18.03	13.73	15.17	3.63	18.06
10172	'ZNF256'	7.55	9.23	5.19	5.24	6.14	8.75
10174	'SORBS3'	31.21	34.68	44.52	32.81	25.57	43.5
10175	'CNIH1'	14.4	11.54	14.04	11.82	16.75	13.2
10178	'TENM1'	5.27	2.12	0.53	1.79	1.08	1.61
10179	'RBM7'	14.81	13.51	10.84	14.28	17.62	15.88
1018	'CDK3'	11.6	10.7	5.63	8.9	3.09	7.02
10180	'RBM6'	46.15	45.59	68.89	42.1	67.41	95.02
10181	'RBM5'	97.5	69.79	50.33	71.11	82.95	73.81
10184	'LHFPL2'	0.18	0.21	0.25	0.41	0.06	0.43
10186	'LHFPL6'	0.06	0.1	0.05	0.05	0	0.12
10188	'TNK2'	61.54	47.5	44.24	35.44	36.03	70.65
10189	'ALYREF'	156.53	121.22	223.28	124.38	64.86	136.2
1019	'CDK4'	61.42	33.33	82.31	44.64	44.07	43.21
10190	'TXNDC9'	38.39	33.28	46.44	32.62	33.37	52.87
101927345	'LOC10192	1	1.12	0.73	0	0	0
101927353	'LOC10192	0	0.01	0	0	0	0
101927423	'PANO1'	1.91	1.32	2.01	1.16	1.88	2.6

101927509	'LOC10192	1.05	0.32	0.21	0.28	0.49	0.37
101927572	'LOC10192	1.13	1.57	2.41	1.86	3.61	2.04
101927655	'ZASP'	18.27	34.41	19.58	27.3	16.53	18.18
101927685	'HSFX4'	0	0.13	0	0	0	0
101928095	'LOC10192	0.54	0.96	0.74	1.96	1.14	2.01
101928120	'LOC10192	1.68	3.1	3.77	4.68	3.64	6.77
101928147	'FAM243A'	0.42	0	0.19	0.12	0.26	0.07
101928193	'LOC10192	0.05	0	0.03	0	0	0.04
101928212	'LOC10192	9.76	2.68	0.99	2.55	0.89	1.5
101928268	'LOC10192	0.16	0.12	0.12	0.11	0	0
101928436	'LOC10192	0	0	0	0	0.14	0
101928527	'PIGBOS1'	20.96	18.83	20.06	19.29	24.88	33.66
101928548	'LOC10192	3.22	1.15	1.4	1.72	6.32	1.49
101928589	'LOC10192	5.75	14.53	12.62	19.74	11.04	13.47
101928592	'LOC10192	0.27	0	0	0.09	0.1	0.12
101928603	'ARMH2'	0	0	0.77	0.44	0.48	0.55
101928677	'ETDA'	0	0.04	0	0	0	0.14
101928764	'LOC10192	0.08	0.2	0.04	0.06	0.04	0
101928841	'LOC10192	0.04	0.03	0	0.06	0.06	0.05
101928917	'HSFX3'	0	0	0.14	0	0	0.28
101928991	'CCDC92B'	0.05	0.02	0.08	0.21	0.11	0.05
101929355	'CFAP97D2	0.09	0.19	0.08	0.06	0.43	0.1
101929372	'LOC10192	0.07	0	0.11	0	0.06	0
101929400	'LOC10192	0.25	0.12	0.25	0.24	0.12	0.16
101929469	'TEX52'	0.28	0.3	0	0.27	0.21	0.24
101929627	'LOC10192	0	0	0.02	0	0	0
101929692	'LOC10192	0	0.06	0	0.06	0	0
101929726	'MYMX'	0	0	0	0.05	0	0
101929805	'LOC10192	0.41	0.25	0.11	0.26	0.51	0.32
101929937	'LOC10192	0	0.08	0.07	0	0	0
101929959	'LOC10192	13.38	10.09	10.04	19.25	12.66	19.19
10193	'RNF41'	17.75	10.22	11.57	9.7	17.25	15.48
101930307	'LOC10193	5.34	3.03	2.07	2.42	5.32	4.39
101930420	'LOC10193	0	0.15	0	0	0	0
101930434	'LOC10193	1.12	0.27	0.35	0.29	0.57	0.48
10194	'TSHZ1'	16.92	13.57	11.9	13.19	19.18	18.77
10195	'ALG3'	57.06	37.35	58.42	33.75	34.77	53.3
10196	'PRMT3'	10.96	7.63	13.86	5.74	5.22	10.42
10197	'PSME3'	108.87	70.82	98.89	67.25	42.11	93.65
10198	'MPHOSPH9	23.96	13.04	19.39	10.73	16.73	16.25
10199	'MPHOSPH1	28.69	20.06	24.15	19.37	17.88	28.64
102	'ADAM10'	47.82	29.71	39.03	28.64	50.28	58.89
1020	'CDK5'	32.83	36.63	51.26	27.63	31.58	57.1
10200	'MPHOSPH6	31.88	35.49	58.1	24.04	21.41	34.99
10201	'NME6'	10.9	7.19	9.06	6.11	7.99	12.62
10202	'DHRS2'	0.27	0.06	0.12	0	1.14	0
10203	'CALCRL'	0.44	0.17	0.07	0.09	0.2	0
10204	'NUTF2'	71.7	56.02	97.61	56.83	57.14	70.41
10205	'MPZL2'	2.3	2.44	1.15	2.39	3.23	1.47
10206	'TRIM13'	4.71	5.62	2.69	5.52	5.9	4.44
10207	'PATJ'	5.79	2.84	1.84	4.39	3	4.54
10208	'USPL1'	18.27	18.16	11.81	13.76	13.98	18.64
10209	'EIF1'	692.05	634.71	548.02	572.39	332.81	541.9
1021	'CDK6'	99.17	47.82	34.05	25.54	25.88	33.3

10210	'TOPORS'	19.12	13.32	11	14.81	17.43	17.12
10211	'FLOT1'	145.72	138.59	150.99	136.4	133.23	159.86
10212	'DDX39A'	325.65	205.49	315.39	228.77	69.33	209.8
10213	'PSMD14'	73.93	53.75	98.94	53.1	39.4	82.02
102157402	'AK6'	19.44	12.49	28.1	18.33	10.19	21.57
10216	'PRG4'	0.27	0.49	0.28	0.19	0.31	0.19
10217	'CTDSPL'	1.52	0.67	1.98	0.41	1.67	0.84
10218	'ANGPTL7'	0	0	0	0.04	0	0
10219	'KLRG1'	11.58	18.7	50.9	21.2	16.56	19.89
1022	'CDK7'	28.52	31.74	34.19	32.71	28.02	38.99
10220	'GDF11'	8.49	6.65	10.44	4.64	6.76	5.73
10221	'TRIB1'	58.05	43.92	83.8	26.3	26.44	98.93
10223	'GPA33'	0.26	0.39	0.46	0.25	0.12	0.09
10224	'ZNF443'	1.48	0.98	0.68	1.46	1.14	0.64
10225	'CD96'	403.05	257.27	196.43	214.56	298.67	227.11
10226	'PLIN3'	14.98	13.09	15.93	13.17	17.22	25.14
10227	'MFSD10'	120.85	113.81	114.59	86.08	150.43	164.41
10228	'STX6'	11.22	9.3	10.77	8.86	18.62	12.02
102288414	'C11orf98	97.35	113.04	242.61	118.84	118.01	233.47
10229	'COQ7'	8.62	5.89	5.36	5.23	4.1	5.63
10231	'RCAN2'	32.63	20.28	8.03	32.57	28.01	60.01
10233	'LRRC23'	1.94	3.54	3.51	4.59	6.18	4.13
10234	'LRRC17'	0.06	0.12	0.14	0.27	0.2	0.33
10235	'RASGRP2'	52.52	49.95	84.38	20.38	53.96	96.82
10236	'HNRNPR'	209.31	129.41	175.14	117.49	113.74	153.1
10237	'SLC35B1'	65.62	56.88	71.22	57.39	42.14	75.06
10238	'DCAF7'	43.25	24.75	44.56	22.14	35.96	37.1
10239	'AP3S2'	6.52	5.06	6.07	5.07	7.92	8.9
1024	'CDK8'	19.08	13.26	14.07	12.57	11.03	19.33
10240	'MRPS31'	14.61	11.14	25.26	14.71	29.92	28.13
10241	'CALCOCO2	54.91	43.31	60.66	41.27	69.68	81.74
10242	'KCNMB2'	0	0	0	0.04	0	0.05
10243	'GPHN'	5.52	4.68	6.17	4.21	15.88	6.36
10244	'RABEPK'	17.6	15.97	19.13	16.01	14.95	15.31
10245	'TIMM17B'	46.08	59.88	91.73	53.56	50.41	100.74
10247	'RIDA'	3.57	8.23	12.91	5.92	12.38	14.06
10248	'POP7'	67.15	75.14	100.14	68.06	69.2	66.67
10249	'GLYAT'	0	0	0.05	0	0	0
1025	'CDK9'	58.08	48.32	44.77	42.07	53.23	51.38
10250	'SRRM1'	58.16	37.43	38.66	36.74	39.5	48.07
10251	'SPRY3'	0.57	0.25	0.14	0.27	0.28	0.23
10252	'SPRY1'	12.54	10.83	18.81	12.61	10.66	13.22
10253	'SPRY2'	16.15	13.43	10.71	21.65	7.67	9.32
10254	'STAM2'	7.92	6.67	4.75	4.92	7.7	7.17
10256	'CNKSR1'	0.99	0.43	0.58	0.62	0.32	2.9
10257	'ABCC4'	3.75	1.91	2.94	2.14	0.93	1.85
1026	'CDKN1A'	203.21	136.19	196.43	79.88	233.22	308.68
10260	'DENND4A'	30.19	9.28	8.05	13.51	11.23	10.76
10261	'IGSF6'	0.24	0.11	0.07	0.4	0.11	0.13
10262	'SF3B4'	223.84	145.23	216.73	125.18	126.11	198.5
10263	'CDK2AP2'	372.62	337.83	415.77	291.45	252.31	382.86
10265	'IRX5'	1.54	2.4	1.71	0.4	0.26	1.05
10267	'RAMP1'	35.17	48.36	49.47	5.29	25.57	13.36
10269	'ZMPSTE24	37.96	24.18	32.81	22.63	13.83	34.2

1027	CDKN1B	59.75	58.28	57.05	65.65	96.35	122.94
10270	AKAP8	37.55	32.14	24.15	24.5	20.74	32.88
10272	FSTL3	0.47	0.48	0.94	0.37	1.56	1.29
102723360	LOC10272	1.14	1.02	0.18	0.28	0.62	0.24
102723382	LOC10272	0	0	0	0	0	0.02
102723407	LOC10272	3.69	0.4	2.34	0.37	2.03	112.59
102723451	FAM243B	0.42	0	0.19	0.12	0.26	0.07
102723532	LOC10272	0	0	0	0	0	0.05
102723553	SMIM11B	5.78	5.65	4.54	7.77	3.64	3.4
102723555	SPDYE16	1.94	0.8	0.83	0.99	1.2	1.85
102723623	LOC10272	0	0.12	0	0	0	0
102723631	CT45A10	0.26	0	0	0	0	0
102723655	LOC10272	0	0	0	0	0	0.04
102723713	LOC10272	0	0	0	0	0	0.09
102723722	LOC10272	1.69	0	0.68	1.49	2.23	3.41
102723728	LOC10272	46.16	61.05	50.1	59.75	74.22	61.6
102723737	CT45A8	0	0.07	0	0	0	0
102723750	LOC10272	0.11	0.2	0.08	0.06	0.36	0.22
102723859	TBC1D3E	11.49	8.57	5.33	6.76	9.7	9.51
102723996	LOC10272	1.55	0.46	0.34	0.07	2.17	0.23
102724023	GATD3B	26.69	35.41	62.74	23.06	42.32	53.76
102724151	LOC10272	0	0.02	0	0	0	0
102724159	LOC10272	17.08	14.05	23.91	11.58	7.91	19.53
102724197	LOC10272	0.96	0.96	0.4	0.34	1.77	1.19
102724200	LOC10272	6.93	17.17	9.71	13.28	8.79	11.29
102724219	LOC10272	1.29	0	0.29	0	0	0.33
102724231	C3orf86	0	0.18	0.33	0.34	0	0
102724250	LOC10272	2.18	1.1	0.63	3.58	1.85	3.48
102724279	CLEC4O	0	0.43	2.07	0	0	0
102724428	SIK1B	7.46	7.87	11.23	3.66	3.68	10.63
102724474	LOC10272	0	0.09	0	0.16	0	0.3
102724485	LOC10272	0.17	0.1	0.03	0.03	0.07	0.04
102724488	LOC10272	0.43	0.31	0.27	0.49	0.79	0.78
102724560	CBSL	6.79	1.34	5.3	1.08	3.55	1.49
102724594	U2AF1L5	15.64	87.47	169.24	85.14	81.31	121.1
102724631	POTEB3	0.04	0	0	0	0	0
102724642	LOC10272	3.02	3.24	2.41	1.93	2.04	2.5
102724646	LOC10272	0.04	0.05	0.05	0.05	0.03	0.15
102724751	LOC10272	4.6	4.16	1.96	0.72	0.78	3.74
102724770	LOC10272	1.26	0	5.47	4.06	10.57	2.13
102724788	LOC10272	0	0.16	0.16	0.15	0.56	0.22
102724813	LOC10272	3.99	10.61	3.31	17.99	19.9	13.7
102724843	LOC10272	6.2	3.96	1.75	0.64	4.03	1.31
102724862	TBC1D3I	0.23	0.1	0	0.03	0.02	0.21
102724951	LOC10272	1.31	1.04	0.01	0	0.17	0
102724965	LOC10272	0.43	0.12	0.68	0.69	0.84	1.17
102724971	LOC10272	0.23	0.35	0.52	0	6.08	3.1
102725023	LOC10272	0	0	0	0	0	0.32
102725035	LOC10272	0.92	0.32	1.19	0.72	0	0.22
102725180	LOC10272	0.15	0.04	0.08	0.18	0.12	0.04
10273	STUB1	94.13	104.9	118.41	108	107.29	134.87
10274	STAG1	29.29	17.12	15.94	16.23	13.5	22.05
10276	NET1	35.56	25.36	34.66	12.99	14	14.64
10277	UBE4B	23.86	14.35	15.28	15.56	17.42	16

10279	'PRSS16'	0.21	0.16	0.14	0.05	0.22	0.89
1028	'CDKN1C'	0.71	1.6	0.71	1.06	2.34	0.94
10280	'SIGMAR1'	81.76	56.85	100	50.18	52.58	85.2
102800317	'TPTEP2-C	0.79	0.95	0.7	0.11	0.37	0.56
10282	'BET1'	11.29	6.95	13.72	11.36	23.42	15.56
10283	'CWC27'	33.97	24.55	32.19	23.93	20.14	33.44
10284	'SAP18'	74.33	72.61	82.68	82.19	60.3	87.65
10285	'SMNDC1'	42.76	33.65	29.04	39.46	22.41	40.89
10286	'BCAS2'	56.01	55.77	78.38	56.82	60.76	73.86
10287	'RGS19'	78.38	79.15	143.55	74.22	99.2	137.75
10288	'LILRB2'	0.05	0	0.15	0.1	0.08	0.28
10289	'EIF1B'	104.15	114.04	84.06	103.04	63.4	77.55
1029	'CDKN2A'	77.81	107.35	118.11	109.98	84.11	155.51
10290	'SPEG'	0.6	0.37	1.58	0.59	0.72	0.36
10291	'SF3A1'	113.46	59.37	63.53	53.01	75.47	73.54
10293	'TRAIP'	13.27	7.95	14.9	8.04	7.45	6.7
10294	'DNAJA2'	34.04	28.05	32.86	33.1	33.73	42.51
10295	'BCKDK'	30.38	27.94	43.18	15.97	60.79	41.06
10296	'MAEA'	53.78	32.86	48.56	44.11	63.31	62.89
10297	'APC2'	0.29	0.18	0.1	0.09	0.14	0.13
10298	'PAK4'	9.55	7.78	7.94	7.02	9.24	7.03
10299	'MARCHF6'	55.16	39.25	30.53	33.25	39.96	39.52
103	'ADAR'	84.15	40.09	54.9	72.98	51.32	126.3
1030	'CDKN2B'	8.01	8.71	10.49	8.45	23.53	32.74
10300	'KATNB1'	32.14	20.92	28.36	14.13	19.55	25.32
10302	'SNAPC5'	12.17	15.86	13.31	13.53	10.89	18.16
10307	'APBB3'	10.87	11.45	8.44	6.23	18.19	14.65
10308	'ZNF267'	27.93	20.14	13.45	22.5	30.8	35.98
10309	'CCNO'	0.11	0	0	0	0.17	0.19
1031	'CDKN2C'	46.02	41.85	69.07	32.34	55.5	48.05
10311	'VPS26C'	57.62	30.17	31.75	27.56	39.27	35.33
10312	'TCIRG1'	261.19	280.77	170.99	143.36	220.02	184.98
10313	'RTN3'	110.14	64.59	93.49	65.48	104.41	96.49
10314	'LANCL1'	13.27	10.88	10.43	10.08	17.14	15.03
10316	'NMUR1'	2.6	4.32	6.17	1.52	16.72	4.4
10317	'B3GALT5'	0	0	0.01	0	0	0
10318	'TNIP1'	190.63	129.54	150.84	143.12	275.19	199.15
10319	'LAMC3'	0	0	0	0	0.05	0
1032	'CDKN2D'	67.25	55.25	57.93	40.07	35.24	55.42
10320	'IKZF1'	310.45	188.75	158.07	154.37	178.19	195.85
10322	'SMYD5'	16.67	12.41	12.36	11.9	5.98	9.5
10324	'KLHL41'	0	0.04	0.04	0	0	0.05
10325	'RRAGB'	9.79	10.77	5.87	8.26	6.28	11.03
10326	'SIRPB1'	2.25	2.06	1.93	0.75	0.14	0.7
10327	'AKR1A1'	64.15	60.92	87.35	52.12	55.44	77.8
10328	'EMC8'	44.18	33.74	42.27	29.22	19.53	40.6
10329	'RXYLT1'	13.26	13.49	12.35	11.22	13.13	12.48
1033	'CDKN3'	83.25	55.99	147.85	62.79	33.51	52.55
10330	'CNPY2'	56.92	56.11	65.48	55.08	54.66	76.55
10331	'B3GNT3'	0	0	0.07	0	0	0.17
10333	'TLR6'	0.61	0.57	0.55	0.33	3.53	1.32
103344718	'HOTS'	0.03	0.03	0	0.05	0.03	0.03
10335	'IRAG1'	0	0	0.02	0	0.03	0
10336	'PCGF3'	35.67	30.68	11.87	19.83	25.94	23.75

10342 'TFG'	56.76	52.99	51.04	45.92	65.13	72.42
10343 'PKDREJ'	0.14	0.1	0.18	0.12	0.15	0.1
10345 'TRDN'	0	0	0	0	0	0.02
10346 'TRIM22'	69.05	52.7	68.54	94.97	126.56	282.49
10347 'ABCA7'	28.55	27.25	20.77	11.18	38.16	35.29
10349 'ABCA10'	0.18	0.23	0.21	0.24	0.82	0.83
10350 'ABCA9'	0.04	0.04	0	0.06	0.01	0.15
10352 'WARS2'	7.07	5.14	5.82	3.92	2.36	4.74
1036 'CDO1'	3.36	21.17	65.69	2.41	37.83	24.03
10360 'NPM3'	19.35	16.08	38.79	22.28	11.6	17.24
10361 'NPM2'	1.13	2.08	2.52	12.69	2.46	4.45
10362 'HMG20B'	61.33	69.69	74.4	54.6	71.42	90.88
10363 'HMG20A'	16.68	11.15	10.02	8.88	20.02	15.09
10365 'KLF2'	105.89	120.47	215.63	114.34	343.51	264.78
10367 'MICU1'	30.64	24.63	37.58	22.37	35.05	37.83
10370 'CITED2'	76.16	109.53	103.5	124.1	140.23	203.2
10371 'SEMA3A'	0.1	0.09	0.1	0.02	0.03	0.02
10376 'TUBA1B'	2433.7	1362.4	2967.6	1174.78	675.2	1200.13
10379 'IRF9'	83.75	68.02	73.67	104.34	67.86	153.93
10380 'BPNT1'	15.6	11.97	18.25	12.08	20.32	22.44
10381 'TUBB3'	1.06	1.81	2.97	0.6	2.54	3.16
10382 'TUBB4A'	0.64	1.78	1.65	0.62	4.47	2.87
10383 'TUBB4B'	323.39	333.62	537.9	228.6	161.4	278.43
10384 'BTN3A3'	13.41	12.14	29.33	24.18	73.92	53.86
10385 'BTN2A2'	8.62	7.9	7.64	6.39	15.95	10.7
10388 'SYCP2'	1.44	1.69	3.76	2.7	4.54	2.23
10389 'SCML2'	0.25	0.21	0.56	0.26	0.44	0.26
1039 'CDR2'	24.33	21.18	18.97	23.01	16.34	26.67
10390 'CEPT1'	17.75	12.85	15.57	14.42	24.22	20.72
103910 'MYL12B'	693.06	796.81	882.51	765.2	594.43	868.16
10392 'NOD1'	10.61	16.76	10.47	11.89	11.29	14.59
10393 'ANAPC10'	18.88	19.07	23.6	21.12	19.9	32.28
10394 'PRG3'	0	0.44	4.32	0.41	0	0
10395 'DLC1'	0.11	0.06	0.35	0.03	0	0.06
10396 'ATP8A1'	12.5	13.11	8.68	8.34	12.51	12.9
10397 'NDRG1'	77.92	54.76	72.18	54.82	315.01	138.85
10398 'MYL9'	0.19	0	0.17	0.1	0.12	0.55
10399 'RACK1'	2610.2	2966.8	2816.4	2298.08	3478.81	2071.38
104 'ADARB1'	13.48	13.5	28.79	13	23.66	28.42
1040 'CDS1'	0.03	0.05	0.02	0.15	0.11	0.15
10400 'PEMT'	30.78	26.54	33.56	25.74	15.66	23.6
10401 'PIAS3'	35.99	32.48	21.52	25.43	29.8	36.09
10402 'ST3GAL6'	0	0	0.06	0.09	0	0
10403 'NDC80'	35.96	17.22	45.33	14.71	20.86	24.91
10404 'CPQ'	15.92	11.16	7.29	7.37	6.99	11.55
10406 'WFDC2'	0	0	0	0	0	0.67
10409 'BASP1'	3.58	0.69	6.41	1.76	2.21	14.69
10410 'IFITM3'	230.15	244.57	506.9	253.96	157.73	367.66
10411 'RAPGEF3'	0.08	0.06	0.15	0.09	0.46	0.25
10412 'NSA2'	132.11	129.75	114.66	132.73	148.57	124.64
10413 'YAP1'	0	0.09	0.04	0.05	0.1	0.23
10417 'SPON2'	5.72	11.44	10.18	12.1	23.63	11.28
10418 'SPON1'	0.66	0.34	0.51	0.35	0.5	0.5
10419 'PRMT5'	34.68	22.95	42.82	20.95	23.39	35.07

10420	'TESK2'	3.64	3.28	3.44	2.35	5.53	4.48
10421	'CD2BP2'	73.28	64.72	52.1	54.79	61.1	50.64
10422	'UBAC1'	25.17	26.27	32.19	23.62	40.82	34.53
10423	'CDIPT'	105.78	91.72	97.01	87.48	113.89	119.04
10424	'PGRMC2'	19.2	18.67	26.55	22.49	48.02	33.67
10425	'ARIH2'	79.52	66.97	62.85	60.26	46.02	74.28
10426	'TUBGCP3'	34.84	23.5	34.39	19.56	22	24.18
10427	'SEC24B'	25.21	18.2	15.44	17.66	19.23	26.14
10428	'CFDP1'	36.05	32.25	37.25	27.61	36.01	39.21
1043	'CD52'	2524.7	4655.4	4475.7	5101.68	4850.94	6308.98
10430	'TMEM147'	110.75	118.2	124.11	114.1	81.47	136.46
10432	'RBM14'	18.1	10.32	19.97	8.23	23.33	16.56
10434	'LYPLA1'	70.71	48.85	58.5	37.12	46.6	64.09
10435	'CDC42EP2	3.46	1.89	1.19	1.94	1.08	1.88
10436	'EMG1'	19.36	12.66	15.26	12.56	8.91	13.45
10437	'IFI30'	146.51	130.69	190.78	84.82	55.75	179.99
10438	'C1D'	21.87	18.29	22.76	19.69	16.9	23.61
10439	'OLFM1'	0	0	0	0	0	0.25
1044	'CDX1'	0	0	0.06	0	0	0
10440	'TIMM17A'	43.4	34.74	43.99	38.5	26.46	40.12
10443	'N4BP2L2'	48.13	34.17	28.52	35.11	43.49	50.9
10444	'ZER1'	23.78	21.31	15.08	15.34	35.76	26.49
10445	'MCRS1'	109.85	103.84	95.88	98.29	48.53	105.76
10446	'LRRN2'	0.62	0.5	2.06	0.05	1.28	1.2
10447	'FAM3C'	225.01	165.12	104.85	149.47	184.4	87.45
10449	'ACAA2'	90.89	70.31	116.81	93.37	92.94	88.87
10450	'PPIE'	68.88	68.98	73.46	55.55	59.78	62.73
10451	'VAV3'	10.45	12.42	8.56	19.67	13.95	8
10452	'TOMM40'	105.41	82.46	117.5	52.75	39.09	73.35
10454	'TAB1'	22.3	20.84	20.7	12.82	27.53	23.08
10455	'ECI2'	21.25	23.97	38.89	31.42	59.9	49.41
10456	'HAX1'	91.61	74.79	181.72	74.53	141.13	133.43
10457	'GPNMB'	0.49	0.45	0.81	2.07	1.77	1.25
10458	'BAIAP2'	2.71	2.18	1.12	2.38	3.85	2.06
10459	'MAD2L2'	135.23	141.17	146.42	125.72	127.68	119.12
10460	'TACC3'	99.22	63.51	135.75	53.23	73.59	82.74
10461	'MERTK'	0	0.03	0.02	0.02	0.05	0.06
10462	'CLEC10A'	0	0.06	0	0	0	0
10463	'SLC30A9'	21.68	13.79	14.59	12.55	17.87	16.83
10464	'PIBF1'	7.51	6.26	5.62	6.99	5.98	7.17
10465	'PPIH'	93.97	86.15	154.5	103.3	52.75	79.92
10466	'COG5'	14.21	7.82	11.01	7.07	17.73	14.01
10467	'ZNHIT1'	185.03	241.48	201.47	216.97	268.61	229.4
10468	'FST'	0.12	0.04	0.17	0	0	0.08
10469	'TIMM44'	34.37	23.62	33.76	20.9	21.27	26.1
1047	'CLGN'	0.14	0	0.07	0.03	0.07	0.04
10471	'PFDN6'	83.86	88.95	152.95	105.45	58.99	107.94
10472	'ZBTB18'	2.6	2.23	1.94	2.89	5.42	6
10473	'HMGN4'	108.68	107.1	106.81	97.98	95.67	141.03
10474	'TADA3'	131.56	126.47	165.33	94.59	161.8	157.27
10475	'TRIM38'	22.75	12.73	10.69	13.25	20.55	27.8
10476	'ATP5PD'	249.63	290.87	389.15	320.04	325.19	335.13
10477	'UBE2E3'	85.52	68.68	60.41	62.3	42.43	71.9
10478	'SLC25A17	17.87	16.79	18.08	14.73	13.92	14.38

10479	'SLC9A6'	11.64	8.93	8.47	8.96	11.12	11.95
1048	'CEACAM5'	0	0.03	0	0	0.04	0
10480	'EIF3M'	213.89	244.78	279.29	230.98	271.43	245.82
10482	'NXF1'	86.59	92.34	69.74	79.19	102.33	109.73
10483	'SEC23B'	34.21	24.97	42.35	19.04	58.85	46.03
10484	'SEC23A'	23.75	14.61	16.84	13.05	20.37	20.41
10485	'MIR9-1HC	0.48	0.74	0.7	2.12	0.1	0.56
10487	'CAP1'	478.28	296.29	504.11	237.48	335.21	469.3
10488	'CREB3'	37.19	43.12	53.52	36.48	61.67	67.68
10489	'LRRC41'	22.85	15.1	18.61	11.35	21.02	22.48
10490	'VTI1B'	28.49	21.77	21.13	27.96	27.94	27.6
104909134	'LINC0221	1.06	0.84	0.58	0.68	1.32	1.19
10491	'CRTAP'	14.92	9.74	11.04	10.58	10.38	13.39
10492	'SYNCRIP'	161.81	73.73	107.32	75.06	65.9	107.12
10493	'VAT1'	17.8	14.81	27.6	10.61	28.83	26.76
10494	'STK25'	46.7	48.99	44.67	32.42	65.58	61.76
10495	'ENOX2'	5.19	2.91	6.29	2.8	5.25	7.28
10497	'UNC13B'	0.12	0.09	0.09	0.08	0.07	0.47
10498	'CARM1'	32.49	24.81	32.72	18.01	28.73	36.42
10499	'NCOA2'	36.2	20.07	13.94	14.95	21.53	22.21
105	'ADARB2'	0.14	0.08	0.02	0.02	0.72	0.38
1050	'CEBPA'	0.5	0.84	2.25	1.7	0.94	1.68
10500	'SEMA6C'	1.95	1.51	0.91	0.69	2.95	3.05
10501	'SEMA6B'	0	0	0.09	0.17	0.05	0.14
10505	'SEMA4F'	4.18	3.21	2.29	2.61	3.74	4.74
10507	'SEMA4D'	145.54	73.81	84.76	100.78	102.52	105.4
10509	'SEMA4B'	5.48	5.33	5.1	4.37	11.85	11.54
1051	'CEBPB'	41.17	28.94	62.07	30.75	57.26	65.47
10512	'SEMA3C'	0	0	0.06	0.04	0	0
10513	'APPBP2'	9.95	7.11	4.94	7.04	10.4	9.23
10514	'MYBBP1A'	28.97	16.69	19.46	13.95	7.28	20.7
10516	'FBLN5'	1.29	1.87	2.46	1	43.44	3.32
10517	'FBXW10'	0.11	0.04	0.05	0	0.04	0
10518	'CIB2'	1.55	1.83	1.82	2.02	1.32	2.17
10519	'CIB1'	169.41	216.37	258.47	231.18	168.76	221.73
1052	'CEBPD'	175.73	130.97	62.6	170.65	122.94	152.71
10520	'ZNF211'	9.49	12.62	9.2	8.37	12.64	13.24
10521	'DDX17'	91.46	69.76	78.55	72.72	203.12	104.04
10522	'DEAF1'	21.41	19.04	23.68	19.1	28.37	34.41
10523	'CHERP'	42.35	23.76	25.85	18.94	29.05	27.29
10524	'KAT5'	59.51	42.56	52.77	42.29	36.41	50.64
10525	'HYOU1'	96.91	52.82	72.63	41.63	60.9	84.59
10526	'IPO8'	21.64	15.17	16.07	13.05	16.5	19.24
10527	'IPO7'	33	20.87	28.81	17.24	29.55	26.51
10528	'NOP56'	156.02	123.47	168.75	125.24	78.69	136.95
10529	'NEBL'	0	0	0.01	0	0.01	0
1053	'CEBPE'	0.09	0	1.3	0	0.29	0.08
10531	'PITRM1'	52.31	33.41	31.41	28.24	32.9	43.1
10533	'ATG7'	5.87	3.43	9	6.76	9.45	7.21
10534	'ZNRD2'	38.71	37.16	52.75	28.45	20.19	54.96
10535	'RNASEH2A	41.59	40.57	86.01	27.28	51.7	42.91
10536	'P3H3'	0	0.11	0.33	0.38	0.31	0.17
105369214	'LOC1053€	0	0.26	0.31	0.05	0.27	0.6
105369246	'LOC1053€	0.75	0.18	0.25	0.03	0.52	0.17

105369535	'LOC10536	0.35	0.65	0.41	0.32	1.01	0.53
105369669	'LOC10536	0.86	0.39	0.25	0.36	1.46	1.5
105369914	'LOC10536	0.23	0.35	0.12	0.27	0.3	0.34
10537	'UBD'	2.61	1.27	14.24	1.83	2.75	7.82
105370092	'LOC10537	0	0	0	0	0.02	0.09
105370399	'LOC10537	0.07	0.42	0.26	0.44	0.7	0.73
105370579	'LOC10537	0.75	0.41	0.83	0.33	1.21	1.99
105370691	'LOC10537	0	0.07	0.03	0.03	0	0.04
105370733	'LOC10537	0.09	0.07	0	0	0	0.08
105370849	'LOC10537	0.06	0.01	0.01	0.04	0.04	0.03
105370980	'LOC10537	0	0	0	0	0.11	0.06
105371045	'PERCC1'	0.14	0	0.05	0	0.06	0.06
105371063	'LOC10537	7.31	0	0	0	5.2	0
105371191	'LOC10537	0.18	0	0	0	0.19	0
105371242	'PPIAL4H'	0.1	0.12	0.19	0.04	0.16	0.22
105371346	'CPHXL'	0	0.16	0	0	0	0
105371371	'LOC10537	0	0.41	0	0	0	0.24
105371419	'LOC10537	0	0.02	0.02	0	0	0.05
105371932	'LOC10537	2.2	1.27	2.89	2	3.33	5.33
105371933	'LOC10537	2.73	1.08	1.06	0.27	1.32	1.14
105372267	'NFILZ'	2.16	0.87	1.32	1.03	1.44	0.75
105372269	'LOC10537	0	0	0	0.04	0.19	0.09
105372280	'GNG14'	0	0.54	0	0	0	0
105372319	'LOC10537	0	0.04	0	0	0.09	0
105372704	'LOC10537	0.83	0.32	0.19	0.06	0.26	0.22
105372798	'LOC10537	0.07	0.07	0.07	0.02	0.06	0.29
105372824	'LOC10537	0.85	1.28	0.52	0.59	1.43	2.96
105372836	'LOC10537	0	0	0.13	0	0	0
105372978	'LINC0163	0.36	0	0	0.25	0	0.9
105373091	'LOC10537	0	0	0.36	0	0.23	0
105373102	'LOC10537	2.83	2.39	1.13	1.83	1.95	3.33
105373133	'LOC10537	0.08	0.44	0	0.06	0.13	0.07
105373244	'LOC10537	0.08	0	0.06	0.03	0	0.04
105373289	'LOC10537	0.51	0.44	0.11	0.25	1.69	0.51
105373377	'PNMA6F'	0	0	0.06	0	0	0.07
105373381	'LOC10537	0	0	0	0	0	0.02
105373392	'LOC10537	0	0.17	0	0	0.06	0
105373750	'LOC10537	0.06	0.05	0	0	0.05	0.17
105374013	'LOC10537	2.86	0.76	0.49	0.97	1.8	1.96
105374103	'LOC10537	0.23	0.13	0.09	0.32	0.36	0.13
105374301	'LOC10537	4.37	3.2	1.88	2.06	2.61	2.28
105374811	'LOC10537	0.08	0	0.06	0.06	0	0.14
105375355	'UPK3B'	0.4	0.64	0.57	0.26	0.56	1
105375683	'LOC10537	0.45	0.13	0	0	0.12	0
105375816	'LOC10537	0	0	0.06	0	0	0
105375938	'LOC10537	0.11	0	0.08	0	0.17	0.1
105376335	'LOC10537	0.35	0.13	0	0.25	0	0.16
105376341	'LOC10537	0.11	0.06	0.02	0.1	0.09	0
105376525	'LOC10537	0.31	0.12	0.23	0.22	0.36	0
105376526	'LOC10537	0.45	0.39	0.14	0.61	0.77	0.75
105376678	'LOC10537	0.34	0	0.38	0	0.79	0.6
105376714	'LOC10537	0	0	0	0	0.13	0
105376722	'LOC10537	0.8	0.42	0.12	0.22	0.37	0.35
105376731	'LOC10537	0.4	0.08	0.19	0.17	0.04	0

105376747	'LOC10537	0	0.07	0	0.13	0	0.17
105376875	'LOC10537	0.17	0.04	0.06	0.04	0	0.13
105377022	'LOC10537	0	0.05	0.05	0.04	0.1	0.06
105377310	'LOC10537	0.86	0.58	0.43	0.6	0.6	1.31
105377622	'LOC10537	0	0	0	0.03	0.03	0.03
105377746	'LOC10537	0.19	0.07	0	0.03	0.04	0.17
105378260	'LOC10537	0.1	0	0	0	0	0
105378696	'TMEM275'	0	0	0	0	0	0.1
105378862	'LOC10537	0	0	0	0	0.16	0.09
105378949	'LOC10537	0.31	0.2	0.39	0.09	1.17	0.93
105378979	'LOC10537	0	0.02	0	0	0	0
105379198	'LOC10537	0.09	0.06	0.06	0	0	0.15
105379282	'LOC10537	0.89	0.5	0.12	0.17	0.43	0.45
105379356	'LOC10537	1.12	0.56	0.41	0.64	1.16	0.64
105379417	'LOC10537	0.2	0	0	0.05	0.05	0.15
105379547	'LOC10537	0.28	0.08	0.16	0.19	1.16	0.19
105379554	'LOC10537	0.56	2.95	6.16	3.12	16.69	1.94
105379561	'LOC10537	0.3	0.08	0	0.08	0.09	0
105379589	'LOC10537	0	0	0	0	0	0.12
105379752	'LOC10537	0.61	0.37	0.13	0.18	0.22	0.13
10538	'BATF'	62.81	72.8	75.99	147.82	95.73	149.43
10539	'GLRX3'	71.28	58.95	91.32	58.69	51.5	83.01
1054	'CEBPG'	35.14	23.25	23.84	21.96	19.86	21.58
10540	'DCTN2'	118.5	100.22	107.06	85.02	105.02	120.81
10541	'ANP32B'	326.78	251.89	452.48	264.61	301.31	246.74
10542	'LAMTOR5'	105.84	131.94	139.66	126.02	114.15	131.95
10544	'PROCR'	3.13	1.64	1.78	4.48	4.05	2.37
10548	'TM9SF1'	31.81	16.51	28.41	21.58	27.32	36.68
10549	'PRDX4'	60.43	56.61	60.09	61.37	51.97	62.61
10550	'ARL6IP5'	316.55	230.13	333.86	273.39	380.58	558.72
10552	'ARPC1A'	30.03	24.71	32.52	27.16	34.92	32.88
10553	'HTATIP2'	40.6	37.14	58.21	40.31	60.1	84.12
10554	'AGPAT1'	51.74	42.11	62.61	31.4	79.94	68.76
10555	'AGPAT2'	49.2	49.3	67.24	46.46	38.03	62
10556	'RPP30'	16.85	14.51	20.33	15.3	14.75	16.09
10557	'RPP38'	25.41	34.01	33.91	37.78	29.41	37.86
10558	'SPTLC1'	53.51	38.26	40.49	38.06	45.96	49.37
10559	'SLC35A1'	11.17	10.18	15.99	10.1	25.94	19.92
1056	'CEL'	1.33	0.8	1.28	0.31	1.52	0.97
10560	'SLC19A2'	6.44	6.61	6.06	3.51	2.69	4.58
10561	'IFI44'	16.42	13.55	69.3	171.85	18.74	384.73
10562	'OLFM4'	0	0.03	0.07	0	0.18	0.16
10563	'CXCL13'	0.13	0	0	0	0.81	1.02
10564	'ARFGEF2'	20.54	10.53	7.47	10.26	8.64	12.13
10565	'ARFGEF1'	24.78	12.76	10.94	12.48	14.58	14.93
10566	'AKAP3'	0.04	0.17	0.41	0.32	0.73	1.14
10567	'RABAC1'	292.44	403.11	297.4	334.36	349.13	387.89
10569	'SLU7'	39.27	28.89	28.86	33.19	41.82	38.79
10570	'DPYSL4'	0.13	0.07	0.11	0.38	0.69	0.52
10572	'SIVA1'	74.14	73.86	96.77	79.1	66.29	60.3
10573	'MRPL28'	132.03	142.05	194.12	122.71	143.25	175.88
10574	'CCT7'	249.94	187.19	322.19	181.28	150.66	248.98
10575	'CCT4'	69.57	52.24	112.72	60.25	60.79	93.63
10576	'CCT2'	104.45	80.05	133.84	75.36	55.21	105.85

10577	'NPC2'	180.31	160	175.15	241.8	231.45	267.98
10578	'GNLY'	17525	22847	7710.2	19527.55	21457.61	4120.07
1058	'CENPA'	43.91	20.97	42.56	19.54	10.13	13.94
10580	'SORBS1'	0.54	0.24	0.19	0.31	0.16	0.22
10581	'IFITM2'	1492.9	1683.3	1604.2	1335.5	1403.56	1899.68
10585	'POMT1'	24.51	31.42	22.75	19.34	35.89	36.95
10586	'MAB21L2'	0.1	0	0	0	0	0
10587	'TXNRD2'	10.68	8.5	18.83	8.65	18.29	16.56
10588	'MTHFS'	5.77	3.93	5.72	5.15	3.56	6.88
10589	'DRAP1'	264.4	312.22	306.46	399.74	246.15	419.97
1059	'CENPB'	63.84	50.58	68.74	42.29	47	64.05
10591	'DNPH1'	58.59	74.04	93.27	64.86	78.56	76.98
10592	'SMC2'	42.78	15.9	25.3	10.87	15.67	15.01
10594	'PRPF8'	142.78	62.91	70.05	49.13	71.93	73.45
10595	'ERN2'	0	0	0.03	0	0	0
10597	'TRAPPC2E	5.87	7.57	10.32	9.75	13.78	16.14
10598	'AHSA1'	92.51	72.77	157.64	71.66	59.31	134.44
1060	'CENPC'	18.39	10.44	9.06	10.53	13.34	16.32
10600	'USP16'	59.79	40.29	32.88	42.08	22.76	41.97
10602	'CDC42EP3	42.22	32.9	23.06	36.79	36.41	53.6
10603	'SH2B2'	0.92	0.64	1.71	1.79	3.02	4.82
10605	'PAIP1'	32.4	28.87	26.17	27.06	23.31	37.21
10606	'PAICS'	40.74	22.24	63.66	18.83	43.66	28.92
10607	'TBL3'	9.35	5.83	9.61	4.31	4.61	9.36
10608	'MXD4'	44.95	36.98	20.25	43.53	39.92	54.29
10609	'P3H4'	2.99	3.18	1.59	1.12	2.3	2.07
10610	'ST6GALNA	0.59	0.43	0.42	0.3	0.73	1.89
10611	'PDLIM5'	8.18	6.67	5.56	6.54	8.27	10.36
10612	'TRIM3'	7.27	7.8	4.23	4.98	8.63	7.28
10613	'ERLIN1'	11.78	7.01	10.62	7.63	10.09	8.28
10614	'HEXIM1'	69.77	82.73	56.13	63.44	57.97	67.53
10615	'SPAG5'	46.16	20.67	46.62	14.8	17.05	20.71
10616	'RBCK1'	78.23	80.16	91.56	58.23	94.8	118.56
10617	'STAMBP'	22.72	19.71	30.79	19.46	41.87	35.69
10618	'TGOLN2'	104.9	49.93	40.62	45.09	48.94	67.68
1062	'CENPE'	15	4.73	11.2	3.39	2.77	5.51
10620	'ARID3B'	80.1	50.12	33.81	45.76	70.04	57.91
10621	'POLR3F'	11.75	14.54	11.14	11.73	8.44	13.56
10622	'POLR3G'	2.27	1.54	3.02	0.91	2.05	2.01
10623	'POLR3C'	31.99	20.38	23.1	25.01	25.52	30.98
10625	'IVNS1ABP	209.7	169.41	51.99	168.91	176.04	184.01
10626	'TRIM16'	2.63	2.68	2.28	2.1	2.97	5.31
10627	'MYL12A'	1291.8	1439.9	1581	1147.38	765.09	1581.91
10628	'TXNIP'	228.31	265.98	205.68	216.05	1236.85	799.94
10629	'TAF6L'	24.04	15.64	15.39	17.63	13.16	21.61
1063	'CENPF'	41.97	14.9	28.87	11.69	8.96	12.98
10630	'PDPN'	0	0	0	0.04	0	0
10632	'ATP5MG'	260.02	368.24	381.87	419.35	261.74	293.12
10633	'RASL10A'	0.34	0.38	0.1	0.33	0.13	0.49
10634	'GAS2L1'	11	18.9	17.25	7.16	24.68	31.97
10635	'RAD51AP1	17.62	11.16	20.72	8.55	16.41	8.53
10636	'RGS14'	42.89	47.87	65.1	49.44	103.38	78.75
10637	'LEFTY1'	0.09	0	0	0.12	0.13	0
10640	'EXOC5'	24.46	10.41	12.61	12.01	15.04	14.45

10641	'NPRL2'	37.05	38.69	51.54	29.21	69.53	42.5
10643	'IGF2BP3'	0.05	0	0.11	0.07	0	0
10644	'IGF2BP2'	6.83	2.65	0.82	0.24	0.46	0.08
10645	'CAMKK2'	18.08	11.45	16.1	8.79	14.66	16.77
10650	'PRELID3A	0.75	0.7	1.07	0.99	0.75	1.23
10651	'MTX2'	13.58	16.44	19.76	17.45	20.68	17.24
10652	'YKT6'	84.73	66.48	60.17	59.87	45.69	68.27
10653	'SPINT2'	3.14	2.63	8.2	2.43	3.09	4.41
10654	'PMVK'	44.87	41.06	70.81	38.45	34.71	61.83
10655	'DMRT2'	2.88	3.86	0.3	0.57	1.35	0.2
10656	'KHDRBS3'	0.24	0.11	0.31	0.17	0.16	0.24
10657	'KHDRBS1'	143.29	99.36	138.56	94.43	102.5	111.79
10658	'CELF1'	29.49	15.17	10.3	17.14	16.71	15.95
10659	'CELF2'	165.94	80.6	65.8	80.82	59.86	101.12
1066	'CES1'	0	0	0.13	0	0	0
10661	'KLF1'	0.61	0.13	2.53	0.12	0.61	0.38
10663	'CXCR6'	21.93	23.93	12.61	35.71	42.08	94.29
10664	'CTCF'	81.45	56.14	69.54	53.13	66.91	74.33
10666	'CD226'	51.69	29.05	20.69	26.85	53.16	26.01
10667	'FARS2'	13.05	10.62	26.36	12.34	12.28	31.16
10668	'CGRRF1'	13.81	18.35	11.49	16.05	11.45	19.56
10669	'CGREF1'	0	0.11	0.21	0.1	0.11	0.18
10670	'RRAGA'	43.56	32.93	48.62	39.6	72.32	64.4
106707243	'PRH1-TAS	1.01	0.35	1.45	1.59	0.99	2.33
10671	'DCTN6'	43.57	42.86	55.11	38.98	31.46	51.37
10672	'GNA13'	109.59	65.5	55.58	62.93	69.74	72.93
10673	'TNFSF13E	2.67	1.15	2.44	2.78	1.57	3.81
10675	'CSPG5'	0.19	0.28	0.22	0.22	1.36	0.38
10677	'AVIL'	0.64	0.44	0.53	0.54	1.06	0.74
10678	'B3GNT2'	34.3	34.78	25.51	37.26	29.32	52.57
10681	'GNB5'	9.22	10.41	9.83	7.65	11.43	13.04
10682	'EBP'	371.24	400.5	537.96	305.47	214.43	409.71
106821730	'BUB1B-PA	1.33	1.11	0.9	0.76	1.03	0.65
10683	'DLL3'	0.07	0.36	0.95	0.22	0.58	0.21
106865373	'GET1-SH3	0	0	0	0	0.25	0.85
10687	'PNMA2'	0	0.02	0.02	0.02	0.25	0.05
1069	'CETN2'	17.69	13.86	17.04	20.09	9.81	15.85
10691	'GMEB1'	20.26	10.3	13.47	10.83	8.61	14.15
10692	'RRH'	0	0	0.06	0.11	0	0.2
10693	'CCT6B'	3.47	4.27	2.51	3.69	2.22	2.78
10694	'CCT8'	162.8	117.78	204.69	120.29	132.78	167.97
10695	'CNPY3'	132.03	118.17	127.15	124.82	102.64	115.24
10699	'CORIN'	0.03	0.02	0.11	0.13	0.04	0.1
107	'ADCY1'	0.13	0.09	0.04	0.01	0.03	0.05
1070	'CETN3'	2.15	1.68	10.22	2.77	3.76	4.22
107080638	'TBC1D7-I	0	0	0.06	0.47	0.2	0.22
107080644	'CNPY3-GN	2.01	2.78	0.47	3.11	1.26	0
1071	'CETP'	0	0	0	0.12	0.07	0
10712	'FAM189B'	21.93	15.44	20.36	11.8	28.48	23.82
10713	'USP39'	72.99	60.09	80.77	53.9	50.32	72.29
10714	'POLD3'	18.89	11.74	21.58	9.36	18.92	12.53
10715	'CERS1'	0.21	0.32	0.02	0	0	0.02
10716	'TBR1'	0.13	0.2	0	0.14	0.03	0.09
10717	'AP4B1'	31.98	36.87	29	28.38	30.78	31.42

107181291	'PYDC5'	0	0.69	0	0	0.66	0
1072	'CFL1'	3292.4	2689.7	3420.8	2625.48	1340.8	2605.46
10720	'UGT2B11'	0	0	0.08	0	0	0
10721	'POLQ'	13.29	4.73	10.67	3.05	4.88	4.04
10723	'SLC12A7'	3.11	1.8	22.93	21.94	33.42	56.81
10724	'OGA'	96.12	80.03	41.26	64.09	66.7	76.78
10725	'NFAT5'	19.81	8.8	4.39	9.41	9.88	13.66
10726	'NUDC'	132.58	113.67	190.83	121.16	59.6	135.88
10728	'PTGES3'	142.16	116.85	219.85	127.19	208.25	215.3
107282092	'BOLA2-SM	112.7	102.86	72.73	98.63	45.91	48.74
1073	'CFL2'	9.26	7.35	4.65	7.86	4.17	13
10730	'YME1L1'	73.05	44.58	54.43	43.74	59.95	74.89
107303344	'SETDB2-P	2.03	2.07	2.47	1.88	2.38	2.83
10732	'TCFL5'	4.11	3.2	5.84	3.36	9.4	5.93
10733	'PLK4'	38.37	17.31	33.29	14.61	12.42	16.96
10734	'STAG3'	4.51	2.57	2.07	2.12	3.36	1.88
10735	'STAG2'	61.49	30.49	35.17	27.22	42.04	42.1
10736	'SIX2'	0.11	0.14	0.05	0.04	0	0.05
10738	'RFPL3'	0.25	0.37	0.2	0.19	0.23	0.99
10739	'RFPL2'	0.1	0	0.14	0.13	0	0.33
10741	'RBBP9'	6.63	4.83	5.34	4.43	14.96	8.82
10742	'RAI2'	0.06	0	0.27	0	0.14	0.05
10743	'RAI1'	11.07	7	6.97	4.57	9.98	7.65
10744	'PTTG2'	0	0.38	0.19	0.18	0.78	0.44
10745	'PHTF1'	28.19	22.42	17.33	21.23	12.69	20.33
10746	'MAP3K2'	20.67	14.46	9.44	13.7	10.02	13.53
10747	'MASP2'	1.5	1.02	0.72	1.17	2.31	2.4
10749	'KIF1C'	20.35	12.32	17.68	9.82	16.31	30.28
1075	'CTSC'	694.06	469.58	602.89	578.58	384.94	1018.29
10750	'GRAP'	12.77	15.11	13.73	9.22	16.5	17.5
10752	'CHL1'	0.02	0.01	0	0	0	0
10753	'CAPN9'	0.03	0.05	0.03	0.07	0.16	0.06
10755	'GIPC1'	27.78	41.69	36.82	42.12	34.24	78.99
10758	'TRAF3IP2	5.81	6.65	4.36	4.76	6.78	7.12
10761	'PLAC1'	0	0.11	0	0	0	0
10762	'NUP50'	78.91	43.68	47.86	43.76	38.68	42.6
10763	'NES'	0	0.03	0.02	0.03	0	0.06
10765	'KDM5B'	18.63	10.05	6.31	10.6	30.9	13.61
10766	'TOB2'	19.01	14.61	13.11	13.62	24.75	19.59
10767	'HBS1L'	31.38	17.56	24.08	15.07	13.57	23.47
10768	'AHCYL1'	34.84	25.72	38.49	23.1	42.17	40.04
10769	'PLK2'	2.1	2.4	1.46	1.54	2.26	2.49
10771	'ZMYND11'	44.74	34.17	33.63	28.62	45.49	41.52
10772	'SRSF10'	96.8	70.25	65.31	64.84	46.14	70.95
10773	'ZBTB6'	9.28	5	5.72	7.8	10.72	11.49
10775	'POP4'	33.01	30.47	38.11	28.27	28.46	40.53
10776	'ARPP19'	83.22	53.5	62.62	45	47.08	71.81
10780	'ZNF234'	1.68	1.32	0.5	1.01	3.39	1.48
10781	'ZNF266'	35.69	38.5	23.95	26.33	30.81	53.01
10782	'ZNF274'	11.64	16.93	12.4	10.66	29.46	26.75
10783	'NEK6'	5.3	2.75	1.58	2.55	1.83	2.69
10785	'WDR4'	11.37	5.01	11.53	6.59	1.26	7.23
10786	'SLC17A3'	0	0.05	0.06	0.32	0	0.27
10787	'NCKAP1'	1.46	0.51	0.23	1.4	0.29	1.5

10788	'IQGAP2'	102.74	70.98	77.33	66.36	91.5	104.21
10791	'VAMP5'	115.96	212.93	199.7	129.47	146.52	172.64
10793	'ZNF273'	2.43	1.68	1.21	2.44	2.55	2.65
10794	'ZNF460'	2.28	1.02	0.82	1.68	1.05	1.18
10795	'ZNF268'	1.49	1.24	1.4	0.76	2.3	2.15
10797	'MTHFD2'	129.45	71.11	173.03	58.49	98.67	106.12
107983983	'LOC1079	0	0	0	0.12	0.61	0
107983990	'LOC1079	0.28	0.07	0.07	0.13	0.29	0.24
107983993	'UPK3BL2'	6.3	6.54	14.78	12.17	7.38	22.97
107983998	'LOC1079	3.44	2.85	2.07	2.55	8.37	6.39
107984025	'LOC1079	17.03	7.33	2.82	3.72	8.08	4.11
107984043	'LOC1079	0.37	0	0.07	0.13	0.21	0.16
107984126	'LOC1079	0.36	0	0.3	0.34	0.83	0.27
107984138	'LOC1079	27.98	12.03	6.92	15.77	9.32	13.92
107984139	'LOC1079	0	0.08	0.08	0.08	0.26	0.1
107984153	'LOC1079	1.08	0.74	0	0.31	0	2.15
107984156	'LOC1079	1.43	1.13	0.74	1.61	1.51	1.29
107984203	'LOC1079	5.09	3.54	2.94	3.16	7	5.86
107984264	'LOC1079	0	0	0	0	0	0.04
107984345	'SMIM38'	0	0.04	0	0	0.92	0.15
107984449	'LOC1079	0.03	0.03	0	0.02	0.03	0.13
107984638	'LOC1079	5.46	5.89	4.06	6.75	5.42	13.67
107984745	'LOC1079	0.04	0.06	0.11	0	0.09	0.17
107984751	'LOC1079	0	0	0	0	0.01	0
107984814	'LOC1079	0.09	0	0.21	0.07	0.07	0.08
107984817	'LOC1079	0.1	0	0	0	0.12	0.04
107984832	'LOC1079	0.14	0.05	0.08	0.27	0.03	0.06
107984833	'LOC1079	0.43	0.11	0.11	0.3	0	0.25
107984841	'LOC1079	10.38	5.59	3.07	3.94	4.12	7.74
107984859	'LOC1079	0.65	0.76	0.35	0.45	0.96	0.92
107984862	'LOC1079	0.61	0.13	0	0.19	0.48	0.42
107984876	'LOC1079	0.36	0.21	0.09	0.03	0.12	0.11
107984974	'LOC1079	10.83	11.79	3.93	8.93	7.21	5.52
107985021	'LOC1079	0.34	0.28	0.25	0.21	0.41	0.21
107985022	'LOC1079	0.17	0	0	0.12	0.13	0
107985082	'LOC1079	9.71	4.9	3.14	2.17	4.38	3.32
107985103	'LOC1079	0	0	0.05	0	0	0
107985115	'LOC1079	0.33	0.07	0.22	0.09	0.26	0.14
107985149	'LOC1079	0.21	0.16	0	0	0	0
107985320	'LOC1079	1.86	1.18	0.61	0.6	0.25	0.72
107985381	'LOC1079	0.96	0.55	0.18	1.43	0.37	1.05
107985388	'LOC1079	0.72	1.03	0.59	1.16	1.51	1.82
107985410	'LOC1079	0	0.09	0.02	0.03	0.05	0
107985416	'LOC1079	1.33	0	0.28	0.4	0.44	0.5
107985433	'LOC1079	0.63	1.42	0.39	1.54	2.19	1
107985524	'LOC1079	0.52	0.04	0.08	0.26	0.45	0.26
107985532	'LOC1079	0.24	0.46	1.09	0.13	1.04	0.37
107985555	'LOC1079	0.17	0	0.11	0.1	0.11	0.25
107985556	'LOC1079	1.13	0.57	0.36	0.15	0.76	0.57
107985657	'LOC1079	0.11	0	0.12	0	0.13	0.1
107985678	'LOC1079	4.5	1.04	0.18	1.09	0.19	0.79
107985687	'LOC1079	0.1	0.16	0.02	0	0.06	0.23
107985692	'LOC1079	0.18	0.05	0.07	0.03	0.03	0.09
107985729	'LOC1079	0.1	0	0	0	0	0

107985734	LOC10798	0.43	0	0.12	0.21	0.11	0.25
107985795	LOC10798	0	0	0.17	0	0	0
107985876	LOC10798	0.03	0.08	0.11	0.09	1.91	0.43
107985931	LOC10798	0.17	0	0.36	0	0.47	0.19
107986004	LOC10798	0	0	0	0	0	0.08
107986084	LOC10798	2.26	2.16	2.12	3.83	2.13	1.87
107986113	LOC10798	2.81	0.36	0.76	0.76	1.19	0.98
107986175	LOC10798	0.7	0.15	0	0.07	0.55	0.26
107986211	LOC10798	1.28	1.36	0.62	0.97	2	1.43
107986217	LOC10798	0	0	0	0.04	0	0
107986244	LOC10798	0.38	0	0	0	0.29	0
107986531	LOC10798	0.22	0	0.08	0.08	0	0.19
107986532	LOC10798	0.16	0	0	0	0	0
107986596	LOC10798	0.42	0.32	0.28	0.23	0.55	0.25
107986677	LOC10798	0.69	0.24	0.19	0.18	0.3	0.83
107986755	LOC10798	0	0.03	0.01	0.01	0.03	0
107986762	LOC10798	0.77	0.37	0.33	0.48	0.55	0.51
107986800	LOC10798	32.38	16.87	11.12	10.46	17.74	29.69
107986860	LOC10798	0.11	0	0.08	0.44	0	0
107986910	LOC10798	1.01	0.99	0.62	1.5	1.51	1.02
107986982	LOC10798	0.4	0.09	0.04	0.14	0	0.2
107987004	LOC10798	1.03	0.25	0.12	0.74	2.03	0.59
107987042	LOC10798	0.56	0.59	1.58	0.27	0.29	0.3
107987044	LOC10798	2.13	1.05	0.24	0.37	0.5	1.3
107987067	LOC10798	0.37	0.35	0	0.54	1.09	0.6
107987158	LOC10798	0.24	0.19	0.03	0.07	0.11	0.11
107987175	LOC10798	0.71	0.53	0.42	0.2	0.22	0
107987211	LOC10798	0	0	0.03	0.03	0.03	0.07
107987237	LOC10798	3.25	2.09	1.63	1.89	2.43	4.59
107987248	LOC10798	0	0.22	0.22	0	0	0.52
107987254	LOC10798	9.54	4.8	3.49	5.01	9.53	8.06
107987269	LOC10798	1.88	0.59	0.14	0.64	0.31	0.7
107987276	LOC10798	0.31	0.58	0.57	0.54	0.48	0.54
107987285	LOC10798	0	0	0.03	0.03	0	0.03
107987288	LOC10798	0	0	0.11	0	0.24	0.13
107987289	LOC10798	0.07	0.08	0	0.03	0.29	0.11
107987290	LOC10798	0	0.58	2.47	0.34	0.9	1.31
107987363	LOC10798	0.22	0	0.22	0.1	0.17	0.06
107987364	LOC10798	0.39	0.51	0.43	1.15	2.39	0.34
107987372	LOC10798	0.84	0.48	2.02	1.18	3.44	2.2
107987373	LOC10798	2.62	3.01	1.77	2.91	88.71	1.7
107987388	LOC10798	0.71	0.75	0.4	0.44	0.34	0.72
107987423	LOC10798	0.82	1.61	5.3	2.31	2.57	1.44
107987425	LOC10798	0	0.63	0	0	2.81	1.85
107987432	LOC10798	0.38	0.21	0.08	0.05	0.18	0.12
107987433	LOC10798	1.84	1.69	0.71	1.12	0.61	0.87
107987441	LOC10798	0	0.97	0	0	0	0
107987457	LOC10798	2.76	2.35	1.12	0.36	1.29	0.94
107987462	LOC10798	0.1	0	0.93	0.09	0.08	4.61
107987464	LOC10798	0	0	0.91	0	1.21	0
107987477	LOC10798	1.08	0.19	0	0.31	0	0
107987478	LOC10798	0.07	0.4	0.57	0.88	0.52	1.27
107987479	LOC10798	0.07	0.4	0.57	0.88	0.52	1.27
107987545	LOC10798	0.33	0	0.73	0.48	0.22	0.87

10799	'RPP40'	5.04	4.58	5.72	3.99	0.67	7.03
1080	'CFTR'	0	0	0	0	0.08	0
10800	'CYSLTR1'	4.34	2.22	5.96	2.58	4.38	7.62
10801	'SEPTIN9'	279.52	262.84	311.89	203.14	651.91	394.1
10802	'SEC24A'	20.52	11.93	9.36	10.53	17.4	16.86
10803	'CCR9'	0.53	0.2	0.28	0.19	5	0.55
10804	'GJB6'	1.04	0.74	1.55	0.32	1.37	0.38
10806	'SDCCAG8'	6.14	7.13	7.22	7.04	16.26	12.09
10807	'ENTR1'	29.66	28.44	36.37	29.93	36.91	37.85
10808	'HSPH1'	34.68	23	42.4	22.01	12.95	53.33
10809	'STARD10'	23.3	22	12.24	15.89	17.89	21.82
10810	'WASF3'	0.03	0	0.02	0	0.04	0.02
10811	'NOXA1'	0.79	1.6	1.11	0.92	4.04	1.31
10813	'UTP14A'	17.5	14.49	20.67	13.33	10.34	19.38
10814	'CPLX2'	0	0	0.02	0.02	0	0.02
10815	'CPLX1'	0.33	0.77	0.19	0.59	0.25	0.74
10817	'FRS3'	3.25	3.88	3.14	2.95	3.43	3.7
10818	'FRS2'	8.43	7.3	4.18	5.99	5.86	8.05
1082	'CGB3'	0.36	0.41	0.13	0	0.56	0.75
10825	'NEU3'	7.07	5.18	3.3	5.2	3.82	5.87
10826	'FAXDC2'	0.3	0.2	0.34	0.09	0.29	0.21
10827	'FAM114A2	8.34	7.22	9.23	5.98	13.55	11.56
10838	'ZNF275'	12.12	9.21	5.12	6.92	9.75	7.31
1084	'CEACAM3'	0	0	0	0.1	0	0
10841	'FTCD'	0	0	0.05	0.05	0.03	0.13
10844	'TUBGCP2'	36.91	31.11	32.09	21.46	35.02	44.01
10845	'CLPX'	18.92	14.9	13.86	12.89	18.53	18.46
10847	'SRCAP'	75.54	27.86	22.18	19.87	26.22	30.91
10848	'PPP1R13L	2.95	2.27	1.62	1.3	12.34	3.16
10849	'POLR1G'	1.04	0.84	1.16	0.9	1.04	0.44
10855	'HPSE'	4.21	3.73	6.25	2.93	6.19	5.05
10856	'RUVBL2'	83.19	61.74	128.02	55.97	40.29	75.06
10857	'PGRMC1'	43.76	32.1	35.6	28.54	27.99	36.36
10858	'CYP46A1'	0	0	0	0	0.06	0.07
10859	'LILRB1'	8.6	10.61	13.19	6.94	28.52	8.71
10861	'SLC26A1'	1.05	0.45	0.64	0.33	0.7	0.42
10863	'ADAM28'	0.94	0.56	0.57	0.97	0.59	1.75
10864	'SLC22A7'	0	0	0	0	0	0.1
10865	'ARID5A'	146.01	111.17	65.89	122.15	118.51	156.81
10867	'TSPAN9'	0.09	0.02	0.04	0.02	0.28	0.1
10868	'USP20'	34.88	27.07	27.09	27.09	56.67	38.84
10869	'USP19'	33.39	26.11	21.44	20.07	32.34	25.71
10870	'HCST'	1018.3	1410.8	974.25	1274.38	953.57	930.42
10871	'CD300C'	5.31	5.99	8.14	0.88	5.21	2.56
10873	'ME3'	1.31	1.27	1.8	1.53	1.22	0.61
10874	'NMU'	0	0.54	0.36	0.47	0	3.09
10875	'FGL2'	5.71	4.24	6.92	1.99	9.28	7.81
10878	'CFHR3'	0	0.3	0	0	0	0.17
1088	'CEACAM8'	0	0.04	0.37	0.12	0.09	0
10880	'ACTL7B'	0.1	0	0.08	0.15	0	0
10881	'ACTL7A'	0.1	0	0	0	0	0.08
10882	'C1QL1'	1.4	0.63	0.83	0.59	0.87	0.57
10884	'MRPS30'	49.32	44.05	39.13	51.91	38.23	46.8
10885	'WDR3'	3.87	2.29	3.58	2.24	3.53	3.78

10886	'NPFFR2'	0	0	0	0.05	0	0
10887	'PROKR1'	0	0	0.02	0	0	0.05
10888	'GPR83'	0.2	0.16	0.16	0.27	0.23	0.28
1089	'CEACAM4'	0	0	0	0.14	0	0
10890	'RAB10'	51.1	29.48	52.71	38.1	41.47	69.74
10892	'MALT1'	26.29	14.58	11.6	12.66	17.84	15.78
10893	'MMP24'	2.04	1.31	0.22	0.93	1.21	0.49
10894	'LYVE1'	0	0	0	0	0	0.03
10897	'YIF1A'	57.77	50.35	77.81	52.06	55.03	81.02
10898	'CPSF4'	38.65	39.96	46.5	29.06	40.51	41.46
10899	'JTB'	227.03	222.39	240.63	259.41	194.16	251.19
109	'ADCY3'	38.57	21.72	31.64	17.44	14.36	21.39
10900	'RUNDC3A'	0.07	0.14	0.11	0.1	0.16	0.24
10901	'DHRS4'	41.78	54.34	41.82	56.04	41.48	44.43
10902	'BRD8'	30.74	20.87	22.05	20.03	22.11	26.42
10903	'MTMR11'	1.06	0.74	1.43	0.64	1.77	3.44
10904	'BLCAP'	34.4	33.43	28.17	35.13	61.88	48.06
10905	'MAN1A2'	21.73	11.79	8.94	9.74	12.4	13.62
10906	'TRAFD1'	31.46	22.36	25	23.43	41.23	52.28
10907	'TXNL4A'	23.11	23.67	31.92	24.74	19.79	27.15
10908	'PNPLA6'	88.81	69.8	66.83	40.38	49.06	71.41
10910	'SUGT1'	3.8	3.33	4.7	2.93	4.75	5.13
10911	'UTS2'	40.94	67.16	126.97	0.44	51.25	96.18
10912	'GADD45G'	71.55	101.75	58.53	58.01	55.51	46.11
10913	'EDAR'	0.03	0.02	0.18	0	0.27	0.06
10914	'PAPOLA'	109.19	79.3	78.03	72.33	107.88	91
10915	'TCERG1'	61.73	40.53	39.36	35.9	24.13	39.51
10916	'MAGED2'	47.98	48.07	46.6	46.16	54.56	74.27
10919	'EHMT2'	29.2	24.02	33.27	16.89	36.68	32.85
10920	'COPS8'	33.42	24.54	27.4	24.59	22.27	25.91
10921	'RNPS1'	268.73	194	263.7	177.35	162.12	211.98
10922	'FASTK'	40.6	40.03	42.84	32.39	46.98	55.47
10923	'SUB1'	95.58	99.52	172.79	111.67	90	180.09
10924	'SMPDL3A'	2.1	0.66	1.31	0.05	0.72	0.41
10926	'DBF4'	34.44	32.47	35.05	26.56	16.99	35.44
10927	'SPIN1'	30.24	21.26	26.74	14.83	17.91	21.72
10928	'RALBP1'	36.34	27.29	34.35	25.83	42.62	39.34
10929	'SRSF8'	16	14.07	14.47	14.21	16.71	21.12
10930	'APOBEC2'	0.26	0.39	0.26	0.54	0.8	0.53
10933	'MORF4L1'	178.12	144.91	188.31	179.31	191.18	223.35
10935	'PRDX3'	95.22	66.69	146.57	74.58	92.59	101.28
10936	'GPR75'	4.49	1.65	0.77	1.31	1.45	1.35
10938	'EHD1'	151.6	96.17	132.4	95.4	123.32	146.89
10939	'AFG3L2'	49.58	34.61	43.45	35.45	24.42	31.33
10940	'POP1'	9.89	3.6	4.27	3.68	3.33	6.03
10942	'PRSS21'	6.4	9.08	15.61	14.76	8.04	10.21
10943	'MSL3'	47.17	39.38	32.24	36.3	45.85	59.24
10944	'C11orf58	55.49	43.23	49.46	58.01	42.96	59.54
10945	'KDELR1'	84.59	76.05	106.43	58.55	132.23	116.64
10946	'SF3A3'	61.81	45.44	76.88	44.1	47.01	62.73
10947	'AP3M2'	22.95	13.88	13.25	14.54	17.42	22.24
10948	'STARD3'	42.68	41.58	38.15	35.28	40.94	44.45
10949	'HNRNPA0'	36.03	26.5	27.47	23.86	20.83	26.89
10950	'BTG3'	41.73	45.99	49.6	39.83	38.49	65.41

109504726	'ERV3-1-2	0.36	0	0	0.42	0.74	0.78
10951	'CBX1'	29.9	22.12	38.29	20.74	39.57	32.86
10952	'SEC61B'	605.28	485.63	618.48	542.92	489.98	539.9
10953	'TOMM34'	22.82	21.2	32.54	16.57	18.17	28.35
10954	'PDIA5'	6.84	5.58	7.87	5.43	13.24	6.65
10955	'SERINC3'	94.63	42.5	56.67	53.12	95.5	83.79
10956	'OS9'	181.42	166.04	154.29	149.49	197.79	226.09
10957	'PNRC1'	145.3	204.28	110.26	197.77	185.91	221.55
10959	'TMED2'	199.97	144.46	131.29	121.83	171.19	147.46
10960	'LMAN2'	192.74	166.03	243.72	189.87	294.46	226.65
10961	'ERP29'	146.73	158.95	218.94	173.29	235.1	193.84
10962	'MLLT11'	9.74	8.35	10.97	8.15	7.33	7.43
10963	'STIP1'	235.28	165.07	244.36	151.54	144.31	223.93
10964	'IFI44L'	2.34	0.45	14.29	46.49	2.36	203.13
10965	'ACOT2'	27.36	23.11	25.85	24.27	24.33	28.17
10966	'RAB40B'	0.49	0.69	0.44	1.37	1.37	1.38
10969	'EBNA1BP2	48.59	33.97	75.51	37.06	19.36	45.39
10970	'CKAP4'	4.77	4.33	7.98	1.91	2.54	4.44
109703458	'HTD2'	4.73	4.97	4.3	5.07	4.54	4.8
10971	'YWHAQ'	440.11	316.36	432.37	431.31	325.78	460.97
10972	'TMED10'	76.08	56.45	64.19	69.57	85.72	66.39
109729126	'FAM236C'	0	0	0	0	0	0.11
10973	'ASCC3'	22.12	13.28	15.77	14	22.2	23.61
10974	'ADIRF'	0.27	0	0	0	0.21	0.69
10975	'UQCR11'	112.48	136.72	138.62	158.63	102.88	134.58
10978	'CLP1'	14.35	15.34	12.54	15.72	13.49	12.22
10979	'FERMT2'	0.48	0.27	0.17	0.36	0.45	1.76
10980	'COPS6'	83.98	92.24	101.53	63.57	87.91	111.94
10981	'RAB32'	9.97	4.33	4.68	1.44	0.57	0.64
10982	'MAPRE2'	42.29	27.83	29.19	27.8	31.76	30.67
10983	'CCNI'	149.87	139.31	128.51	116.86	184.69	139.42
10985	'GCN1'	42.56	21.28	21.83	19.32	20.11	30.74
10987	'COPS5'	51.79	37.49	46.74	42.89	41.7	52.63
10988	'METAP2'	45.33	36.65	49.57	40.48	34.51	50.1
10989	'IMMT'	112.44	79.1	130.04	76.88	74.55	95.99
10990	'LILRB5'	0.31	0.14	0	0.18	0.17	0.12
10991	'SLC38A3'	0	0	0.07	0	0.03	0
10992	'SF3B2'	250.22	171.71	242.81	167.43	197.69	220.45
10993	'SDS'	0.09	0	0	0.12	0	0
10994	'ILVBL'	26.34	24.72	28.18	18.36	23.07	21.51
10998	'SLC27A5'	2.6	3.84	5.34	3.51	3.72	3.57
10999	'SLC27A4'	22.97	12.09	26.96	10.1	8.24	32.13
11000	'SLC27A3'	38.72	29.01	32.07	20.01	25.71	22.71
11001	'SLC27A2'	28.53	17.44	34.15	14.53	21.23	20.43
11004	'KIF2C'	55.01	25.62	64.38	22.24	29.51	27.06
11006	'LILRB4'	0.14	0.12	0.97	1.64	0.05	2.67
11007	'CCDC85B'	87.56	126.07	133.2	90.67	124.07	135.13
11009	'IL24'	0.52	0.24	0.55	0.82	1.89	1.1
110091775	'CFAP298-	0.15	0.05	0.11	0.02	0.03	0.22
1101	'CHAD'	0.14	0.15	0.18	0.06	0.52	0
11010	'GLIPR1'	73.61	49.36	43.18	44.85	67.12	67.12
11011	'TLK2'	27.43	15.77	11.69	15.41	12.71	21.2
110116772	'ZNF765-2	0.37	0.51	0.31	0.06	0.27	0.45
11013	'TMSB15A'	0.32	0	0	0	0.24	0

11014	KDELR2	52.23	40.93	47.67	32.72	55.11	46.18
11015	KDELR3	1.89	1.49	1.53	0.8	3.97	1.53
11016	ATF7	23.35	13.27	12.94	13.5	11.59	17.73
11017	SNRNP27	38.25	33.95	36.82	26.84	44.59	51.41
11018	TMED1	67.33	53.17	43.75	48.08	48.91	47.73
11019	LIAS	5.85	5.95	7.51	5.61	6.36	5.56
1102	RCBTB2	241.92	206.5	130.16	76.15	368.24	193
11020	IFT27	11.91	14.81	25.16	14.14	23.61	25.86
11021	RAB35	85.69	56.62	68.15	46.99	61.81	80.48
11022	TDRKH	7.43	5.9	9.96	4.64	7.69	14.52
11024	LILRA1	0.15	0.12	0.06	0.05	0	0
11025	LILRB3	2.05	1.1	0.48	0.54	9.78	8.91
11026	LILRA3	0.21	0	0.08	0.07	0	0
11027	LILRA2	4.19	3.22	3.45	1.51	1.17	1.79
11030	RBPMS	0.6	0.97	2.11	0.1	2.17	1.39
11031	RAB31	0.19	0.12	0.43	0.34	0.08	0.9
11033	ADAP1	3.1	8.31	22.73	7.85	11.29	27.76
11034	DSTN	67.66	66	87.83	45.84	82.33	69.48
11035	RIPK3	10.37	14.62	16.11	12.88	20.26	26.97
110354863	ZNF660-2	0	0	0	0	0.51	0
11036	GTF2A1L	0	0	0.22	0.06	0	0.53
11037	STON1	5.15	4.24	2.16	0.28	3.13	3.24
110384692	LOC11038	0.9	0.22	0	0.3	0.4	0.17
1104	RCC1	42.9	22.51	49.21	21.87	33.09	30.47
11040	PIM2	438.44	289.53	212.48	239.91	451.38	486.92
11041	B4GAT1	5.19	4.09	7.79	5.54	10.58	7.69
11043	MID2	1.6	1.57	0.77	1.9	2.18	2.22
11044	TENT4A	48.2	37.03	25.49	28.7	32.78	27.58
11045	UPK1A	0.93	1.33	0.35	0.57	10.62	0.2
11046	SLC35D2	28.43	38.7	21.29	44.75	52.7	67.13
11047	ADRM1	209.4	180.27	258.94	155.83	138.98	233.44
1105	CHD1	32.74	29.77	23.04	24.75	26.15	36.48
11051	NUDT21	72.41	41.13	61.01	43.07	57.54	48.68
11052	CPSF6	39.39	29.52	28.78	22.66	26.69	28.12
11054	OGFR	82.5	73.45	92.16	66.08	85.51	108.85
11055	ZPBP	0.18	0	0	0	0	0
11056	DDX52	12.6	8.59	8.02	6.98	7.73	8.97
11057	ABHD2	57.03	21.1	15.99	13.9	12.56	18.19
11059	WWP1	29.27	21.53	15.5	21.6	21.28	28.24
110599564	EEF1AKMT	11.73	7.62	19.13	9.15	13.1	17.04
110599588	ASDURF	23.58	16.1	12.21	19.24	22.6	14.49
1106	CHD2	67.34	42.31	26.8	39.49	34.02	46.57
11060	WWP2	75.02	41.61	40.4	40.19	38.9	48.17
11062	DUS4L	4.47	3.26	4.52	3.95	3.1	5.21
11063	SOX30	0.05	0.04	0.15	0.18	0.37	0.16
11064	CNTRL	42.54	19.91	22.7	20.02	13.68	24.93
11065	UBE2C	188.54	143.22	330.26	98.33	81.14	107.22
11066	SNRNP35	22.28	32.79	43.06	30.82	25.99	41.83
11067	DEPP1	0.19	0	0.05	0.04	0.1	0.17
11068	CYB561D2	48.65	48.79	60.23	43.73	39.52	55.75
11069	RAPGEF4	0.1	0.03	0.03	0.02	0.11	0.03
1107	CHD3	51.04	42.98	43.33	34.46	72.64	73.84
11070	TMEM115	32.51	26.38	25.94	22.97	40.8	32.99
11072	DUSP14	28.76	20.38	22.11	19.63	28.06	27.68

11073	'TOPBP1'	67.19	35.97	44.57	27.28	32.49	32.31
11074	'TRIM31'	0	0	0	0	0	0.07
11076	'TPPP'	0.85	0.7	0.15	0.98	0.64	0.78
11077	'HSF2BP'	0.46	0.12	0.06	0.39	0.19	0.08
11078	'TRIOBP'	25.01	16.78	24.6	13.92	23.26	24.28
11079	'RER1'	51.08	46.64	56.18	45.03	66.6	64.91
1108	'CHD4'	58.82	38.41	63.56	31.53	44.44	70.45
11080	'DNAJB4'	3.55	4.67	4.33	3.71	6.98	7.09
110806280	'CCDC194'	0	0	0	0	0.09	0.1
110806298	'C17orf11	0.31	0.1	0.1	0.24	0.26	0.12
11082	'ESM1'	0.14	0.58	0.14	0.25	3.77	0.25
11083	'DIDO1'	46.24	24.42	27.49	25.14	48.44	36.76
11085	'ADAM30'	0	0	0.03	0	0	0.04
11086	'ADAM29'	0.04	0.03	0.07	0	0.03	0.04
11091	'WDR5'	37.21	26.97	33	23.2	22.13	22.86
11092	'SPACA9'	1.65	3.78	1.17	2.89	4.47	1.81
11093	'ADAMTS13	0.98	0.41	0.38	0.42	0.69	0.9
11094	'CACFD1'	3.14	3.58	2.02	1.81	2.71	3.25
11095	'ADAMTS8'	0	0.03	0	0	0.06	0
11097	'NUP42'	28.63	30.38	31.59	19.26	23.73	33.79
11098	'PRSS23'	7.22	8.09	7.45	5.65	8.08	5.86
11099	'PTPN21'	0.05	0	0.02	0	0.01	0.02
111	'ADCY5'	0	0.04	0.02	0	0.13	0.11
11100	'HNRNPUL1	354.96	200.39	269.97	172.6	201.97	240.74
11101	'ATE1'	15.9	9.94	8.66	11.1	12.58	16.1
11102	'RPP14'	4.21	1.69	2.21	1.95	2.47	5.56
11103	'KRR1'	16.91	10.36	10.16	11.61	7.94	13.28
11104	'KATNA1'	20.15	17.82	18.45	18.81	14.48	17.72
11105	'PRDM7'	0.04	0	0	0.06	0	0.04
111064649	'SMIM33'	0.11	0	0.85	0	0.44	0.2
11107	'PRDM5'	0.32	0.04	0.06	0.01	0.14	0.04
11108	'PRDM4'	43.55	33.08	21.09	28.28	16.64	32.3
111089941	'MMP24-AS	0.16	0.57	0	0.13	0.57	0.16
1111	'CHEK1'	48.96	23.74	42.86	20.33	19.89	21.31
11112	'HIBADH'	9.14	7.7	10.68	7.11	16.26	10.95
11113	'CIT'	13.78	5.93	11.93	2.97	5.49	4.94
11116	'CEP43'	6.99	5.71	7	5.19	8.11	6.79
11117	'EMILIN1'	2.88	1.99	2.18	0.89	0.84	1.62
11118	'BTN3A2'	52.27	46.92	56.95	55.34	126.6	84.85
11119	'BTN3A1'	25.16	26.28	21.22	28.78	81.07	48.74
1112	'FOXN3'	74.32	32.46	23.3	29.97	35.14	28.56
11120	'BTN2A1'	34.04	29.67	18.92	34.93	26.04	33.87
11122	'PTPRT'	0	0	0.01	0.01	0	0
11123	'RCAN3'	16.35	10.14	14.51	23.69	17.4	31.5
11124	'FAF1'	42.58	29.67	41.21	28.57	28.26	37.7
111240474	'CRYZL2P-	0.02	0	0	0	0	0
11126	'CD160'	0.45	1.22	0.52	1.33	0.89	1.2
11127	'KIF3A'	5.1	3.84	4.84	3.2	3.61	5.59
11128	'POLR3A'	11.46	6.73	6.62	5.16	7.34	8.23
11129	'CLASRP'	63.41	55.05	43.11	39.82	37.21	51.62
1113	'CHGA'	0	0	0	0	0.07	0
11130	'ZWINT'	75.14	48.23	111.69	36.08	60.09	40.64
11131	'CAPN11'	0	0	0.04	0	0	0
11132	'CAPN10'	24.67	22.2	21.86	16.22	22.1	29.34

11133	'KPTN'	4.45	4.45	6.27	2.64	3.13	7.74
11135	'CDC42EP1'	17.08	6.47	11.25	0.79	4.48	1.86
11136	'SLC7A9'	0	0	0.15	0	0.37	0.18
11137	'PWP1'	42.34	31.92	42.56	36.85	26.25	46.84
11138	'TBC1D8'	0.54	0.09	0.36	0.19	0.6	0.24
1114	'CHGB'	0	0	0.04	0	0.04	0
11140	'CDC37'	282.82	269.52	331.04	215.24	260.88	355.84
11142	'PKIG'	2.52	1.14	7.66	2.41	2.62	10.88
11143	'KAT7'	61.18	49.38	39.59	54.92	44.44	65.47
11144	'DMC1'	3.76	1.47	5.06	0.79	1.16	2.32
11145	'PLAAT3'	22.69	30.2	42.3	20.17	25.08	18.53
11146	'GLMN'	12.97	9.2	10.48	9.26	8.12	10.92
11147	'HHLA3'	24.79	17.34	15.51	22.43	40.58	29.95
11148	'HHLA2'	11.99	8.42	24.61	3.6	5.83	3.81
11149	'BVES'	0.44	0.12	0.25	0.15	0.3	0.44
11151	'CORO1A'	1736	1606.7	2403.3	1200.72	1331.8	1889.48
11152	'WDR45'	57.44	53.25	51.77	44.84	70.94	75.43
11153	'FICD'	3.77	2.83	2.7	3.73	6.7	2.76
11154	'AP4S1'	3.17	1.99	1.66	2.08	3.01	3.99
11155	'LDB3'	0	0.02	0	0.02	0	0
11156	'PTP4A3'	2.38	2.7	5.54	2.64	3.35	7.94
11157	'LSM6'	31.12	30.19	42.96	27.92	24.68	27.9
11158	'RABL2B'	20.81	19.02	15.73	16.85	17.47	29.45
11159	'RABL2A'	8.54	6.85	5.53	6.97	7.85	10.6
1116	'CHI3L1'	0	0.12	0.35	11.24	0	3.82
11160	'ERLIN2'	6.37	5.54	6.08	5.14	8.84	8.44
11161	'ERG28'	41.02	37.6	55.76	39.18	35.02	55.5
11162	'NUDT6'	8.73	6.1	8.21	4.59	9.06	7.01
11163	'NUDT4'	32.78	23.26	19.83	25.35	19.72	30.79
11164	'NUDT5'	38.16	29.19	55.39	31.32	41.25	50.42
11165	'NUDT3'	10.17	8.3	8.86	6.85	8.19	8.53
11166	'SOX21'	0.04	0	0	0	0	0
11167	'FSTL1'	0.03	0.04	0.08	0.05	0.12	0.04
11168	'PSIP1'	54.14	41.7	62.33	40.08	86.4	53.24
11169	'WDHD1'	7.72	3.45	8.31	2.55	6.78	3.9
1117	'CHI3L2'	4.63	5.1	6.69	9.5	11.6	15.21
11170	'FAM107A'	0	0	0	0	0	0.08
11171	'STRAP'	102.75	76.41	82.49	62.78	36.46	74.53
11173	'ADAMTS7'	0.22	0.24	0.23	0.04	0.69	0.28
11174	'ADAMTS6'	0.29	0.22	0.33	0.03	1.46	0.97
11176	'BAZ2A'	46.72	24.63	17.95	18.86	33.55	32.89
11177	'BAZ1A'	29.51	18.68	24.61	21.83	20.95	35.16
11178	'LZTS1'	0.4	0.23	0.96	0.26	1.69	0.63
11179	'ZNF277'	18.46	21.14	18.95	20.65	39.02	22.76
1118	'CHIT1'	0.24	0.22	1.02	0.25	1.9	2.29
11180	'WDR6'	62.29	38.5	47.25	39.91	65.78	61.11
11182	'SLC2A6'	7.16	6.09	8.9	3.82	3.25	10.49
11183	'MAP4K5'	25.59	23.68	15.97	19.83	21.82	19.36
11184	'MAP4K1'	156.3	143.14	174.5	100.23	149.47	268.28
11185	'INMT'	0.15	0.15	0.04	0.49	0.25	0.05
11186	'RASSF1'	113.62	130.47	89.77	81.28	160.37	70.24
11187	'PKP3'	0.14	0.28	0.07	0.03	0.9	0.16
11188	'NISCH'	58.46	50.56	36.4	31.9	55.02	50.68
11189	'CELF3'	0.04	0	0.11	0.04	0.18	0.03

1119	'CHKA'	18.49	14.3	9.56	7.97	7.42	6.72
11190	'CEP250'	31.59	22.15	25.45	13.38	20.84	26.26
11193	'WBP4'	18.65	15.82	14.16	16.4	13.65	14.93
11194	'ABCB8'	15.3	9.94	15.92	7.71	8.08	16.09
11196	'SEC23IP'	17.91	9.48	12.14	8.86	15.45	15.18
11198	'SUPT16H'	102.6	58.69	91.8	49.61	58.28	67.27
112	'ADCY6'	0.06	0.06	0	0	0	0
1120	'CHKB'	50.87	68.9	65.83	47.16	48.77	89.32
11200	'CHEK2'	8.81	9.57	20.17	3.51	13.15	10.41
11201	'POLI'	4.27	4.76	3.69	4.49	9.62	6.71
1121	'CHM'	11.03	6.45	4.99	5.55	7.53	9.03
11211	'FZD10'	0	0	0	0	0	0.03
11212	'PLPBP'	33.12	25.33	36.58	21.16	44.51	43.54
11213	'IRAK3'	11.7	5.68	4.41	2.68	3.82	2.07
11214	'AKAP13'	106.34	66.92	35.82	62.13	56.22	79.08
11215	'AKAP11'	11.38	6.01	5.23	5.05	10.17	7.98
11216	'AKAP10'	22.58	15.39	11.25	17.59	12.44	17.37
11218	'DDX20'	15.28	12.85	10.93	15.5	10.94	11.19
11219	'TREX2'	1.07	1.79	1.41	1.33	0.74	0.83
1122	'CHML'	6.22	2.58	2.46	2	5.64	3.49
11221	'DUSP10'	218.14	161.55	85.71	188.21	42.01	136.87
11222	'MRPL3'	86.32	55.78	88.04	55.64	35.25	65.12
11223	'MST1L'	0.54	0.24	0.22	0.34	0.75	0.68
11224	'RPL35'	3193	5806.5	5488.4	6973.11	4118.7	4457.21
11226	'GALNT6'	10.41	9.12	12.33	7.68	11.49	9.51
112267855	'LOC1122€	0	0	0	0	0.08	0
112267859	'LOC1122€	0.06	0.25	0.21	0.04	0.17	0.1
112267874	'LOC1122€	0.36	0.59	0.09	0.21	0.28	0.1
112267876	'LOC1122€	0	0.24	0	0	0	0
112267881	'LOC1122€	4.77	3.38	0	0.75	0	0
112267939	'LOC1122€	2.33	2.38	0.78	1.51	0.48	1.1
112267940	'LOC1122€	1.48	1.29	0.56	1.96	1.53	1.4
112267947	'LOC1122€	0	0.07	0	0	0	0
112267951	'LOC1122€	0.24	0.09	0.21	0.14	0.19	0.35
112267959	'LOC1122€	0	0	0	8.32	0	0
112267971	'LOC1122€	0.13	0	0	0.09	0	0.23
112267992	'LOC1122€	0.24	0.02	0.09	0.14	0.15	0.17
112268052	'LOC1122€	1.94	0.59	0.38	0.9	0.98	0.8
112268076	'LOC1122€	0	0.08	0.24	0.19	0.44	0.19
112268092	'LOC1122€	0	0.05	0.1	0.05	0.05	0.18
112268102	'LOC1122€	0.08	0.06	0.18	0.23	0.44	0.77
112268131	'LOC1122€	1.61	0.56	0.33	0.52	0.21	0.77
112268184	'LOC1122€	0.89	0.49	1.13	0.69	1.41	1.04
112268219	'LOC1122€	4.54	3.39	3.05	3.43	4.42	4.11
112268237	'LOC1122€	0	0	0	0.15	0	0.19
112268238	'LOC1122€	2.97	2.12	3.03	2.62	5.41	5.03
112268260	'LOC1122€	1.55	1.17	0.38	0.89	0.99	1.23
112268271	'LOC1122€	0	0	0.01	0.02	0	0
112268334	'LOC1122€	0	0	0.92	0	0	2.22
112268337	'LOC1122€	0	0.29	0	0	0	0
112268340	'LOC1122€	0	0	0	0	0	0.46
112268342	'LOC1122€	3.39	2.16	1.28	1.45	3.5	4.08
112268347	'LOC1122€	0.38	0.21	0.08	0.05	0.18	0.12
112268350	'LOC1122€	1.36	0.67	0.33	0.96	0.91	0.6

112268354	'LOC1122€	46.51	35.72	10.86	103.03	11.82	5.83
112268355	'LOC1122€	0.16	0	0	171.36	195.82	0
112268384	'LOC1122€	0.96	0.89	0.85	0.74	0.75	2.21
112268387	'LOC1122€	0	0	0	0.46	0	0
112268395	'LOC1122€	0	0	0	0.16	0.08	0
112268437	'LOC1122€	10.1	2.71	1.3	2.55	3.17	3.47
112268444	'LOC1122€	0	0.02	0.02	0	0	0.03
11227	'GALNT5'	0.05	0.04	0.06	0.09	0.05	0.09
11228	'RASSF8'	24.66	9.94	7.95	4.31	4.03	3.31
1123	'CHN1'	0.97	1.07	1.07	2.69	0.54	5.73
11230	'PRAF2'	58.74	64.02	57.54	36.41	78.39	74.87
11231	'SEC63'	52.99	33.59	35.72	31.53	37.72	35.25
11232	'POLG2'	6.6	5	4.45	3.94	8	7.73
11234	'HPS5'	8.98	5.81	7.07	4.88	8.36	9.61
11235	'PDCD10'	114.19	85.99	109.98	105.34	90.01	127.98
11236	'RNF139'	44.95	37.43	32.43	37.9	26.81	45.61
11237	'RNF24'	7.59	4.16	3.9	5.48	9.9	5.21
11238	'CA5B'	13.82	9.84	5.3	6.71	6.99	8.77
112398	'EGLN2'	57.2	37.92	61.66	46.25	83.25	78.75
112399	'EGLN3'	0.48	0.45	0.5	0.91	25.29	4.1
1124	'CHN2'	13.64	12.5	4.79	20.33	10.99	5.38
11240	'PADI2'	0	0.06	0.45	0.03	0	0.03
11243	'PMF1'	188.12	165.47	179.68	190.19	116.98	182.39
11244	'ZHX1'	13.4	8.63	8.36	8.09	7.44	11.23
112441434	'SHLD3'	13.34	12.47	7.74	16.85	6.17	8.95
11245	'GPR176'	0.02	0.03	0.05	0.05	0.03	0.03
112464	'CAVIN3'	2.77	3.37	1.83	0.32	1.79	2.69
11247	'NXPH4'	4.19	2.31	1.77	1.83	12.56	4.45
112476	'PRRT2'	0.17	0.93	0.2	0.3	1.26	0.52
112479	'ERI2'	5.13	2.22	3.21	1.5	4.11	2.06
11248	'NXPH3'	0	0	0	0	0.02	0.02
112483	'SAT2'	53.19	68.04	61.03	78.7	69.45	89.34
112487	'DTD2'	5.04	5.16	5.8	4.52	4.31	6.27
112495	'GTF3C6'	122.62	120.55	150.38	122.81	60.62	148.61
11250	'GPR45'	0.08	0.06	0.06	0	0	0
11251	'PTGDR2'	1.03	0.61	1.81	0.25	0.67	1.34
11252	'PACSIN2'	68.26	39.28	42.35	26.46	31.2	35.24
11253	'MAN1B1'	35.34	38.3	32.78	34.95	64.58	43.87
11254	'SLC6A14'	0	0	0	0	0	0.02
11255	'HRH3'	0	0.04	0	0	0	0.04
112574	'SNX18'	34.37	22.61	12.23	12.78	38.28	18.29
112577461	'OOSP3'	0	0.21	0	0	0	0.49
11258	'DCTN3'	135.66	154.73	167.52	158.37	117.09	136.66
11259	'FILIP1L'	0.51	0.95	0.9	0.16	1.22	0.49
11260	'XPOT'	57.55	26.56	43.23	29	35.55	40.59
112609	'MRAP2'	0	0	0	0	0	0.06
11261	'CHP1'	49.95	27.78	29.38	28.05	21.44	49.22
112611	'RWDD2A'	1.29	1.49	0.83	2.41	4.96	2.65
112616	'CMTM7'	32.61	35.94	57.73	28.55	40.88	40.3
11262	'SP140'	16.97	22.21	39.49	29.32	51.64	54.97
11264	'PXMP4'	1.41	1.55	2.38	1.77	3.78	2.38
11266	'DUSP12'	63.06	58.41	46.69	67.76	26.65	50.52
11267	'SNF8'	93.43	94.84	115.19	95.66	48.88	99.27
11269	'DDX19B'	38.27	32.58	30.04	24.15	25.38	28.64

112694756	'LOC11269	105.57	93.07	84.95	67.1	142.25	50
11270	'NRM'	115.93	104.76	140.22	66.55	104.43	76.71
112703	'FAM71E1'	0.52	0.17	0.13	0	0.33	0.38
112714	'TUBA3E'	0.22	0.07	0	0.07	0	0.08
11272	'PRR4'	2.36	4.14	4.33	8.48	2.71	5.45
112724	'RDH13'	10.9	6.94	9.24	5.97	8.42	7.34
11273	'ATXN2L'	199.88	98.06	117.37	76.05	116.52	144.13
11274	'USP18'	7.5	4.24	24.17	40.21	11.29	91.96
112744	'IL17F'	0	0	0.32	0	0	0.75
11275	'KLHL2'	28.13	25.61	17.79	16.65	17.88	20.69
112752	'IFT43'	6.26	12.41	8.11	6.05	11.91	6.69
112755	'STX1B'	0.73	0.75	0.65	0.18	0.55	0.74
11276	'SYNRG'	40.26	20.03	21.92	25.22	34.02	35.19
11277	'TREX1'	27.72	26.68	30.48	36.3	68	52.24
112770	'GLMP'	55.6	41.74	53.27	50.16	74.59	81.54
11278	'KLF12'	15.55	6.22	4.69	7.03	9.37	9.49
11279	'KLF8'	2.88	1.77	1.7	1.22	1.39	3.76
11280	'SCN11A'	0.13	0.06	0.06	0.19	0.15	0.2
112812	'FDX2'	6.91	6.65	11.43	12.33	3.66	10.02
112817	'HOGA1'	0.14	0.26	0	0	0.07	0.18
11282	'MGAT4B'	85.95	63.05	59.87	57.64	62.33	69.05
11284	'PNKP'	45.24	29.91	35.25	22.72	28.14	43.81
112840	'WDR89'	5.8	3.83	6.22	5.44	8.37	9.16
112849	'L3HYPDH'	5.33	5.68	4.03	7.99	10.23	10.03
11285	'B4GALT7'	14.85	13.69	13.83	7.96	17.21	15.55
112858	'TP53RK'	12.49	10.51	14.13	10.36	19.13	17.51
112869	'SGF29'	49.77	47.73	54.91	55.21	81.36	64.12
112885	'PHF21B'	0	0	0	0	0	0.03
112936	'VPS26B'	62.59	52.05	50.14	40.15	73	53.26
112937	'GLB1L3'	1.32	0.97	2.12	0.84	3.06	3.81
112939	'NACC1'	29.6	17.95	24.48	19.72	20.97	30.87
112942	'CFAP36'	18.75	19.54	20.9	17.97	38.8	21.67
112950	'MED8'	27.27	22.4	29	22.74	26.56	29.33
112970	'KTI12'	17.08	15.66	19.15	22.74	15.18	23.18
113	'ADCY7'	88.51	52.42	47.78	29.64	60.25	61.52
1130	'LYST'	32.27	18.93	9.25	12.04	20.29	13.05
113000	'RPUSD1'	58.2	50.9	43.7	43.67	28.49	50.13
113026	'PLCD3'	2.29	2.79	1.53	1.64	3.63	3.07
11309	'SLCO2B1'	0.1	0.1	0.09	0	0.05	0.2
1131	'CHRM3'	1.13	0.65	0.54	0.77	1.16	0.69
11311	'VPS45'	19.4	16.48	22.14	13.62	18.35	27.01
113115	'MTFR2'	21.08	14.04	30.19	8.57	11.62	17.2
11313	'LYPLA2'	109.32	109	138.79	88.53	99.4	137.45
113130	'CDCA5'	68.24	40.54	91.56	33.05	59.49	33.2
11314	'CD300A'	93.26	121.11	105.02	102.83	207.28	103.56
113146	'AHNAK2'	0.01	0	0.02	0	0	0.01
11315	'PARK7'	221.34	220.32	320.86	211.69	176.65	240.85
11316	'COPE'	273.09	303.03	305.85	274.4	305.66	300.1
113174	'SAAL1'	25.76	23.73	39.82	21.17	12.12	22.1
113177	'IZUMO4'	3.2	7.84	9.04	6.31	26.62	5.22
113178	'SCAMP4'	22.27	15.61	23.03	13.69	22	24.43
113179	'ADAT3'	13.37	8.04	9.26	9.87	19.45	17.09
11318	'GPR182'	0.11	0.04	0.08	0.05	0.03	0.03
113189	'CHST14'	15.55	12.11	18.15	8.25	12.25	12.46

11319	'ECD'	28.1	19.92	20.72	20.26	15.57	21.93
1132	'CHRM4'	3.14	2.21	1.56	2.72	0.82	4.43
11320	'MGAT4A'	33.36	21.09	13.38	30.19	25.79	30.04
113201	'GOLM2'	30.44	26.34	26.01	24.48	34.2	37.63
11321	'GPN1'	57.07	57.23	57.84	52.46	37.89	56.32
11322	'TMC6'	147.69	141.5	139.03	90.31	133.99	203.24
113230	'MISP3'	0.65	1.55	1.32	0.65	7.72	1.8
113235	'SLC46A1'	3.45	1.28	2.49	1.32	1.89	1.43
113246	'C12orf57	216.93	357.44	296.51	400.38	279.77	296.33
11325	'DDX42'	64.5	51.94	58.25	49.8	69.02	66.65
113251	'LARP4'	15.73	8.48	8.72	9.5	4.99	10.63
11326	'VSIG4'	0	0	0	0	0.15	0
113263	'GLCCI1'	15.9	10.67	7.05	9.46	8.86	14.22
113277	'TMEM106A	2.99	1.67	2.04	1.54	3.44	3.58
113278	'SLC52A3'	0	0.04	0	0	0	0.04
11328	'FKBP9'	0.77	0.55	0.83	0.24	0.82	0.85
11329	'STK38'	48.13	37.26	42.74	34.01	100.12	73.38
1133	'CHRM5'	0.08	0.1	0.13	0.16	0.12	0.09
11330	'CTRC'	0.7	0.57	0.17	0.56	0.15	0.78
11331	'PHB2'	229.06	234.28	354.1	259.79	253.58	237.8
11332	'ACOT7'	85.26	59.8	100.12	56.35	53.26	45.82
11333	'PDAP1'	62.9	59.95	89.18	49.57	62.5	72.13
11334	'TUSC2'	37.06	35.66	35.8	39.56	30.42	41.05
11335	'CBX3'	132.31	90.31	159.73	90.01	94.74	116.41
11336	'EXOC3'	43.85	30.19	37.27	30.13	54.37	45.24
11337	'GABARAP'	328.14	315.74	354.93	324.77	507.84	434.92
11338	'U2AF2'	229.68	141.81	178.63	139.39	116.83	161.09
11339	'OIP5'	6.8	4.38	14.6	3.17	8.17	7.6
1134	'CHRNA1'	0.55	0.1	1.12	0.67	0.48	0.84
11340	'EXOSC8'	73.89	58.5	108.28	68.3	47.01	67.8
113402	'SFT2D1'	33.91	43.33	63.75	34.05	26.49	36.47
11341	'SCRG1'	0	0.18	0.18	0.17	0.36	0.42
113419	'TEX261'	73.49	46.18	43.36	40.92	50.9	47.53
11342	'RNF13'	43.38	28.4	30.86	26.91	38.75	40.96
11343	'MGLL'	1.63	0.73	1.94	0.45	0.39	2.3
11344	'TWF2'	170.82	137.58	202.23	144.85	188.81	179.62
113444	'SMIM12'	25.52	20.79	25.14	24.44	19.1	30.14
11345	'GABARAPL	81.9	98.98	116.42	99.24	139.53	132.76
113451	'AZIN2'	3.57	6.99	2.87	5.96	12.87	5.35
113452	'TMEM54'	0.19	0	0.39	0	0	0.13
113455421	'DERPC'	21.71	26.02	36.91	30.86	20.35	27.82
113457	'TUBA3D'	0.62	0.14	0.14	0.2	0.51	0.16
11346	'SYNPO'	0.36	0.11	0.56	0.13	0.07	1.76
1135	'CHRNA2'	0.06	0.05	0.05	0.02	0	0.03
113510	'HELQ'	12.07	8.8	6.45	9.9	7.39	9.9
113523638	'SMIM41'	2.32	2.44	1.95	2.26	1.34	3.62
113540	'CMTM1'	7.65	6.17	4.79	3.78	5.72	2.88
1136	'CHRNA3'	0	0	0.06	0.17	0.07	0
113612	'CYP2U1'	2.48	1.38	1.17	1.03	1.45	0.66
113622	'ADPRHL1'	0.41	0.44	0.7	0.25	0.28	0.57
113655	'MFSD3'	3.18	3.69	8.31	3.33	4.94	9.88
113675	'SDSL'	0.46	0.35	0.59	0.16	0.18	0.4
113730	'KLHDC7B'	3.34	3.63	12.79	6.29	6.74	14.84
113763	'ZBED6CL'	12.11	11.27	8.09	9.15	7.26	23.68

113791	'PIK3IP1'	133.11	104.3	46.14	120.35	146.39	177.19
1138	'CHRNA5'	1.33	0.87	2.65	0.8	0.63	0.95
113802	'HENMT1'	52.78	49.98	51.84	45.03	27.87	45.05
113828	'FAM83F'	0.03	0.02	0.04	0.03	0.03	0.19
113829	'SLC35A4'	107.18	62.95	90	58.84	59.36	99.03
113835	'ZNF257'	0.37	0.16	1.49	0.63	2.2	1.5
113878	'DTX2'	20.16	14.7	14.42	12.08	26.16	23.78
1139	'CHRNA7'	1.01	0.42	0.07	0.02	0	0.02
114	'ADCY8'	0	0.02	0	0	0	0
1140	'CHRNB1'	4.86	5.12	6.38	5.96	6.66	7.55
114026	'ZIM3'	0	0.04	0	0	0	0.04
114034	'TOE1'	31	26.57	33.18	29.3	13.2	33.11
114049	'BUD23'	112.69	94.42	104.45	109.28	46.3	109.51
114088	'TRIM9'	0.1	0.04	0.04	0.04	0.16	0.11
1141	'CHRNB2'	0.3	0.28	0.27	0.23	0.17	0.9
114108587	'ATF7-NPI	0.47	0.17	0.29	0.54	0	0.37
114112	'TXNRD3'	0.27	0.18	0.23	0	0.38	0.12
114118903	'ARHGAP11	0.64	0.25	0.18	0	0.07	0
114134	'SLC2A13'	2.65	1.5	0.91	1.21	2.14	1.14
114294	'LACTB'	23.05	17.36	17.46	12.78	29.39	24.62
114327	'EFHC1'	0.14	0.34	0.4	0.46	0.71	0.53
114336	'CGB2'	0.29	0.66	0.22	0.21	0.68	0.51
1144	'CHRND'	0	0	0.04	0	0	0.05
114483833	'H2BE1'	0	0.64	0	0	0	0.33
114483834	'ABCF2-H2	15.89	5.91	18.74	7.65	9.91	18.17
1145	'CHRNE'	0.61	1.35	1.36	1.69	1.13	1.42
114548	'NLRP3'	0.66	0.5	0.71	0.23	0.34	0.41
114569	'MAL2'	0	0	0	0	0.04	0
114609	'TIRAP'	13.97	7.47	6.05	6.22	10.21	9.99
114625	'ERMAP'	4.88	3.02	3.18	4.52	3.37	5.2
114659	'LRRC37B'	21.86	15.74	8.58	13.52	20.7	18.63
1147	'CHUK'	25.46	16.66	16.75	16.12	10.89	18.5
114757	'CYGB'	0.33	0.42	0.31	0.1	0.69	0.66
114769	'CARD16'	63.08	109.38	123.98	78.89	61.7	125.97
114770	'PGLYRP2'	0.15	0.66	0.11	0.36	0.4	0.55
114771	'PGLYRP3'	0	0	0	0	0.1	0
114781	'BTBD9'	4.69	3.05	2.18	3.81	4.86	4.85
114783	'LMTK3'	2.57	2.59	0.73	1.77	4.49	2.06
114784	'CSMD2'	0	0	0	0	0.01	0.01
114785	'MBD6'	73.93	33.76	24.91	24.27	37.21	39.29
114786	'XKR4'	0.02	0.01	0	0.03	0.01	0.02
114787	'GPRIN1'	1.24	1.01	2.32	1.02	1.81	4.42
114789	'SLC25A2E	22.91	16.34	11.86	17.55	10.07	18.14
114790	'STK11IP'	21.14	14.32	11.75	12.67	10.38	15.22
114791	'TUBGCP5'	9.96	6.53	7.39	7.37	3.66	7.26
114792	'KLHL32'	0.31	0.19	0.33	0.18	1.14	0.39
114793	'FMNL2'	0.34	0.09	0.12	0.15	0.22	0.42
114794	'ELFN2'	0.09	0.04	0.06	0.02	0.28	0.15
114795	'TMEM132E	0	0	0	0	0.02	0
114798	'SLITRK1'	0	0	0	0.02	0	0
114799	'ESCO1'	16.47	10.3	8.77	14.15	13.24	15.18
114800	'CCDC85A'	0.07	0	0.03	0	0	0.06
114801	'TMEM200A	19.45	16.54	12.1	15.28	16.77	19.56
114803	'MYSM1'	32.89	19.08	11.51	17.56	18	20.44

114804	'RNF157'	84.81	51.55	73.63	47.58	94.68	110.18
114805	'GALNT13'	0.04	0	0	0	0.05	0
114815	'SORCS1'	0	0.01	0.01	0	0.01	0
114818	'KLHL29'	0.11	0.1	0.15	0.14	0.13	0.12
114821	'ZBED9'	0	0.02	0.03	0	0.02	0.05
114822	'RHPN1'	3.17	4.4	4.11	4.18	4.83	10.1
114823	'LENG8'	114.99	79.42	58.43	55.89	88.51	101.81
114824	'PNMA5'	0.04	0.09	0.12	0.09	0.29	0.43
114825	'PWWP2A'	16.97	13.66	8.53	11.82	13.5	12.05
114826	'SMYD4'	10.75	5.37	6.86	4.71	13.36	8.9
114827	'FHAD1'	0.02	0	0.06	0.05	0.06	0.11
114836	'SLAMF6'	36.8	35.36	41.46	32.17	52.97	64.84
114841035	'LOC11484	5.93	6.23	5.22	4.1	6.15	6.06
114876	'OSBPL1A'	0	0.07	0.8	0.26	0.17	0.14
114879	'OSBPL5'	15.09	14.29	7.55	9.95	14.88	5.74
114880	'OSBPL6'	0.18	0.03	0.05	0.05	0.03	0.06
114881	'OSBPL7'	26.01	23.57	17.37	21.98	24.49	29.15
114882	'OSBPL8'	61.65	29.16	29.3	33	34.24	36.91
114883	'OSBPL9'	42.46	35.61	32.66	31.93	41.79	42.17
114884	'OSBPL10'	0.18	0.07	0.45	0.09	0.07	1.48
114885	'OSBPL11'	17.81	9.36	8.44	9	7.62	9.36
114898	'C1QTNF2'	0	0	0	0.04	0	0
114899	'C1QTNF3'	1.11	1.3	1.79	2.86	1.9	2.01
114900	'C1QTNF4'	0.51	0.24	0.38	0.93	1.99	0.99
114904	'C1QTNF6'	4.23	4.28	2.69	2.28	9.76	5
114905	'C1QTNF7'	0	0	0	0	0	0.03
114907	'FBXO32'	6.85	7.88	2.34	7.08	8.07	11.25
114908	'TMEM123'	156	113.41	129.92	120.63	243.91	198.02
114926	'SMIM19'	10.37	11.37	11.79	12.98	11.16	10.76
114928	'GPRASP2'	0	0.14	0.1	0.2	0.1	0.45
114932	'MRFAP1L1	106.22	98.47	106.52	106.14	122.95	131.89
114960	'TSGA13'	0.2	0.15	0	0.31	0.09	0.21
114971	'PTPMT1'	30.7	30.54	36.01	28.94	23.74	30.03
114984	'FLYWCH2'	17.13	30.37	32.35	24.67	34.97	35.81
114987	'WDR31'	0.32	0.2	0.29	0.09	0.33	0.14
114990	'VASN'	1.1	1.08	0.31	0.55	0.11	0.32
114991	'ZNF618'	0.25	0.06	0.1	0.13	0.01	0.06
115	'ADCY9'	5.13	3.32	3.06	4	9.8	8.16
115004	'CGAS'	27.24	17.5	18.44	11.07	16.21	27.78
115024	'NT5C3B'	22.63	25.56	19.88	18.27	21.54	27.1
115098	'CCDC124'	149.77	153.67	218.92	127.69	82.84	160.28
115106	'HAUS1'	41.73	41.14	68.47	34.25	33.71	39.8
115111	'SLC26A7'	0	0	0	0.02	0.12	0.17
115123	'MARCHF3'	0.91	0.5	0.81	0.9	0.74	0.59
115196	'ZNF554'	1.15	1.3	0.79	1.79	3.06	3.36
1152	'CKB'	2.7	3.12	3.36	2.99	10.97	2.67
115201	'ATG4A'	16.16	15.95	18.01	16.17	17.65	25.68
115207	'KCTD12'	0.43	0.19	0.84	0.18	0.56	0.8
115209	'OMA1'	7.65	5.07	14.25	5.22	12.75	13.55
115253422	'DUS4L-BC	5.06	3.39	3.1	2.92	4.4	3.53
115265	'DDIT4L'	0.35	0.46	0.67	0.6	1.96	0.7
115273	'RAB42'	0.19	0.16	0.05	0.25	0.11	0.25
115286	'SLC25A26	29.26	25.38	17.04	28.28	18.86	14.36
115290	'FBXO17'	0.31	0.37	0.05	0.13	0.1	0.22

115294	'PCMTD1'	10.75	9.39	10.2	10.19	27.31	14.47
1153	'CIRBP'	163.42	181.11	126.26	223.88	152.4	170.32
115330	'GPR146'	5.52	4.81	4.89	2.86	20	8.6
115350	'FCRL1'	0.04	0.02	0.44	0.42	0	0.32
115352	'FCRL3'	3.28	1.59	0.36	1.83	0.38	1.3
115353	'LRRC42'	17.49	16.94	22.56	15.72	24.37	20.8
115361	'GBP4'	41.26	20.27	23.7	18.73	20.08	35.36
115362	'GBP5'	234.86	160.2	159.91	150.75	211.84	234.39
115399	'LRRC56'	1.13	0.78	1.42	1.97	2.69	3.29
1154	'CISH'	241.21	153.96	198.7	127.57	409.89	218.56
115416	'MALSU1'	4.09	4.98	11.1	6.45	7.27	7.18
115426	'UHRF2'	47.43	32.07	22.81	37.5	34.32	37.03
1155	'TBCB'	190.27	193.53	201.45	217.68	91	203.63
115509	'ZNF689'	19.69	13.58	12.38	10.56	5.25	12
115548	'FCHO2'	2.37	1.76	0.83	1.98	3.03	2.81
115557	'ARHGEF25	0.34	0.78	0.34	0.83	0.68	0.18
115560	'ZNF501'	0.54	0.32	0.4	0.44	2.39	0.88
115572	'TENT5B'	0.06	0.21	0.04	0.04	0	0
115584	'SLC5A11'	0.06	0	0	0	0	0.3
115650	'TNFRSF13	2.34	1.54	1.37	1.2	0.88	2.3
115653	'KIR3DL3'	0.24	0.06	1.02	0.51	3.14	0.28
115677	'NOSTRIN'	0.13	0.06	0	0.08	0.32	0.11
115701	'ALPK2'	0.31	0.29	0.1	0.91	0.05	0.07
115703	'ARHGAP33	33.11	22.18	23.84	17.75	22.16	18.97
115704	'EVI5L'	4.89	5.68	4.47	4.79	6.15	7.93
115708	'TRMT61A'	11.22	10.32	9.62	8.44	4.26	9.05
115727	'RASGRP4'	7.91	5.77	4.68	1.23	4.77	5.91
115749	'C12orf56	0	0	0	0	0.02	0.07
115752	'DIS3L'	17.26	11.56	13.06	10.66	12.27	13.17
115761	'ARL11'	0.2	0.03	0.45	0.15	0.41	0.7
115795	'FANCD2OS	0	0.07	0.07	0	0	0
1158	'CKM'	0	0.07	0	0	0.07	0
115811	'IQCD'	0.25	0.24	0.19	0.13	0.19	0.23
115817	'DHRS1'	3.74	9.56	13.76	7.94	21.35	20.09
115825	'WDFY2'	12.77	9.17	9.11	8.17	10.25	10.55
115827	'RAB3C'	0	0	0	0	0.01	0
115861	'NXNL1'	0	0	0.13	0	0	0
115908	'CTHRC1'	0.14	0.27	1.66	0	0	0.34
115939	'TSR3'	73.64	82.06	98.97	80.39	79.45	106.09
115948	'CCDC151'	0.07	0.06	0.05	0.05	0.09	0.06
115950	'ZNF653'	7.96	7.49	7.09	7.73	13.8	9.82
115992	'RNF166'	117.05	116.63	122.8	87.38	112.01	191.08
1160	'CKMT2'	0.09	0.15	0	0	0.08	0.17
116028	'RMI2'	10.61	4.67	17.14	3.54	21.11	10.44
116039	'OSR2'	0.84	1.84	0.91	0.73	0.78	1.2
116064	'LRRC58'	24.47	12.85	12.16	15.11	15.12	16.4
116068	'LYSMD3'	18.57	13.28	8.14	13.6	19.66	14.03
116071	'BATF2'	0	0.11	1.3	0.2	0.43	0.63
116092	'DNTTIP1'	22.82	23.85	41.99	22.19	34.79	39.5
1161	'ERCC8'	4.64	3.59	5.01	3.43	2.18	4.94
116113	'FOXP4'	23.14	13.56	13.58	9.82	12.43	18.96
116115	'ZNF526'	5.75	2.28	2.81	3.56	9.05	4.08
116135	'LRRC3B'	0	0	0.03	0	0.01	0
116138	'KLHDC3'	64.57	52.66	68.79	52.95	87.01	60.94

116143	'WDR92'	3.81	2.62	6.25	3.25	3.22	4.43
116150	'NUS1'	48.4	36.22	30.28	34.27	31.6	37.87
116151	'FAM210B'	4.4	5.53	4.41	5.7	11.85	5.61
116154	'PHACTR3'	0	0.02	0.05	0.02	0.09	0
116173	'CMTM5'	0.26	0.15	0.94	0	0	0
116211	'TM4SF19'	0.69	0.48	0.36	2.16	0.27	0.58
116224	'FAM122A'	6.12	4.44	5.49	6.64	10.5	6.86
116225	'ZMYND19'	31.64	26.17	34.39	24.76	27.6	26.93
116228	'COX20'	43.53	30.04	32.06	31.67	55.61	32.93
116236	'ABHD15'	16.74	15.59	15.45	13.44	33.03	25.53
116238	'TLCD1'	1.5	1.25	1.11	1.22	1.71	1.13
116254	'GINM1'	15.39	12.83	10.17	11.84	14.98	15.89
116285	'ACSM1'	0.13	0	0.08	0	0.04	0.2
1163	'CKS1B'	261.84	206.54	352.41	217.5	127.57	133.68
116362	'RBP7'	0	0.25	0	0	0	0
116369	'SLC26A8'	0	0.03	0	0.03	0.03	0
1164	'CKS2'	99.08	107.1	189.13	80.09	52.18	80.59
116412	'ZNF837'	1.41	1.86	2.04	1.18	2.25	2.17
116442	'RAB39B'	10.33	5.21	6.99	4.46	12.38	7.08
116443	'GRIN3A'	0.14	0.11	0.1	0.08	0.18	0.26
116444	'GRIN3B'	0.4	0.26	0.07	0.14	0.32	0.13
116447	'TOP1MT'	4.75	5.01	7.42	7.83	4.6	8.82
116448	'OLIG1'	0	0	0.13	0	0.05	0
116449	'CLNK'	1.01	0.58	0.52	0.33	0.47	0.38
116461	'TSEN15'	71.3	58.72	59.17	55.16	36.51	54.42
116496	'NIBAN1'	79.13	35.43	47.44	48.54	89.18	59.9
116540	'MRPL53'	243.27	334.75	336.8	279.66	211.4	338.9
116541	'MRPL54'	102.06	130.65	163.27	167.92	48.9	123.96
116729	'PPP1R27'	0	0.17	0	0	0	0.19
116832	'RPL39L'	31.57	29.36	48.95	26.67	39.67	29.5
116835	'HSPA12B'	0.25	0.23	0.27	0.27	0.1	0.26
116840	'CNTROB'	34.47	27.47	34.51	16.37	28.47	29.47
116841	'SNAP47'	149.07	142.38	118.81	168.37	304.11	194.06
116842	'LEAP2'	0.59	0.89	1.31	0.28	1.37	0.17
116843	'SLC18B1'	12.47	12.32	8.2	10.69	7.97	17.55
116844	'LRG1'	0.25	0.11	0.19	0.2	0.11	0.3
116931	'MED12L'	1.19	0.32	0.21	0.07	0.12	0.13
116966	'WDR17'	0	0	0.05	0	0.01	0.03
116983	'ACAP3'	33.69	34.41	36.14	23.86	43.06	53.43
116984	'ARAP2'	43.7	27.7	14.1	29.18	20.51	24.78
116985	'ARAP1'	52.04	33.63	37.39	23.36	61.58	42.67
116986	'AGAP2'	40.05	25.75	42.15	24.94	45.62	56.46
116987	'AGAP1'	0.41	0.55	0.07	0.82	0.31	0.16
116988	'AGAP3'	26.47	25.06	27.48	14.44	26.78	23.37
117143	'TADA1'	23.79	25.71	18.16	24.91	22.8	22.11
117144	'CATSPER1	1.57	3.11	1.1	1.18	2.97	0.62
117145	'THEM4'	14.82	14.37	26.34	12.87	20.34	33.42
117154	'DACH2'	0	0	0	0	0	0.02
117155	'CATSPER2	0.23	0.31	0.28	0.38	0.36	0.14
117157	'SH2D1B'	69.8	43.69	24.5	26.87	35.66	16.42
117166	'WFIKKN1'	0.82	0.42	0.2	0.19	0.21	0.54
117177	'RAB3IP'	9.48	4.81	6.86	7.33	4.7	8.5
117178	'SSX2IP'	6.89	4.49	6.81	5.4	5.61	5.3
117194	'MRGPRX2'	0	0.05	0	0	0.05	0

117195	'MRGPRX3'	0.09	0	0	0.26	0.38	0.08
117245	'PLAAT5'	0.05	0.07	0.18	0.03	0	0.13
117246	'FTSJ3'	31.92	24.55	33.59	21.59	20.4	34.71
117247	'SLC16A1(	0.19	0.3	0.2	0.08	0.29	0.19
117248	'GALNT15'	0.09	0.01	0	0.07	0.09	0.07
117289	'TAGAP'	94.95	83.45	72.13	100.43	76.08	142.5
1173	'AP2M1'	370.82	296.8	321.59	241.13	276.67	328.31
1174	'AP1S1'	57.03	59.25	85.44	62.36	72.49	77.18
1175	'AP2S1'	237.9	249.89	322.68	256.92	198.58	246.93
117532	'TMC2'	0	0	0	0	0.06	0.18
117579	'RLN3'	0	0.19	0.21	0.1	0.11	0.12
117583	'PARD3B'	0.04	0.01	0.04	0.04	0.01	0.12
117584	'RFFL'	23.25	14.22	14.56	15.88	21.34	25.05
1176	'AP3S1'	77.62	108	84.64	88.44	203.71	88.96
117608	'ZNF354B'	10.76	5.35	2.11	7.11	4.03	6.22
1178	'CLC'	9.6	17.37	644.13	29.49	0.99	18.92
117854	'TRIM6'	0.11	0.07	0.31	0	0.11	0.04
118	'ADD1'	171.39	136.36	121.52	94.77	137.05	141.59
1180	'CLCN1'	0.07	0.11	0.06	0	0	0.07
1181	'CLCN2'	2.99	4.72	2.7	3.6	5.16	4.32
1182	'CLCN3'	10.26	4.75	7.23	5.49	8.33	10.52
1183	'CLCN4'	0.04	0	0.13	0	0	0.08
1184	'CLCN5'	2.76	0.68	1.12	1	0.71	1.17
118424	'UBE2J2'	66.04	57.13	61.39	58.33	52.09	67.75
118426	'BORCS5'	10.76	7.46	15.17	7.66	7.9	12.48
118429	'ANTXR2'	123.02	65.49	65.83	53.36	85.18	88.95
118430	'MUCL1'	0.53	0	0	0	0	0
118442	'GPR62'	0.13	0	0	0	0	0.06
118460	'EXOSC6'	12.47	10.39	10.46	12.14	7.44	10.09
118471	'PRAP1'	0	0.39	0	0.18	0	0
118472	'ZNF511'	45.4	43.14	60.55	47.41	38.45	64.51
118487	'CHCHD1'	27.46	35.14	65.37	37.75	47.43	50.22
118490	'MSS51'	3.75	3.38	2.76	3.36	3.87	2.72
118491	'CFAP70'	0.28	0.2	0.21	0.15	0.44	0.63
1185	'CLCN6'	26.55	12.12	7.34	13.64	4.96	11.55
1186	'CLCN7'	70.51	47.23	37.06	40.76	36.01	54.49
118611	'C10orf9(	0	0	0.05	0.09	0.05	0.04
118672	'PSTK'	7.27	10.92	5.53	8.78	2.58	8.1
1187	'CLCNKA'	0.06	0	0	0	0	0.1
118788	'PIK3AP1'	45.24	25.69	15.11	32.28	14.99	20.89
118812	'MORN4'	0.18	0.3	0.48	0.08	0.71	0.21
118813	'ZFYVE27'	30	22.55	14.71	19.88	20.66	21.46
118856	'MMP21'	0	0.05	0.05	0.05	0.17	0.06
118881	'COMTD1'	20.36	28.68	31.32	28.61	20.71	25.33
118924	'FRA10AC1	2.39	2.98	3.83	3.63	5.97	4.98
118932	'ANKRD22'	0	0.02	0.17	0.28	0.05	0.06
118980	'SFXN2'	2.17	2.28	2.68	1.46	3.04	5.73
118987	'PDZD8'	18.57	9.36	6.97	10.3	5.6	7.47
119	'ADD2'	0.38	0.19	0.98	0.03	0.19	0.07
119016	'AGAP4'	15.34	15.78	12.47	14.47	13.1	19.61
119032	'BORCS7'	23.16	21.81	11.03	25.32	16.57	21.77
1191	'CLU'	13	17.49	25.85	12.26	35.68	17.8
1192	'CLIC1'	998.8	1017	1324.4	868.04	936.65	1050.2
1193	'CLIC2'	0.4	0.15	0.89	0.21	0.47	0.61

119385	AGAP11	0.04	0.27	0.08	0.25	0.05	0.14
119391	GSTO2	1.17	0.57	0.32	0.5	0.93	1.47
119392	SFR1	4.9	4.87	9.73	8.89	13.09	9.69
119395	CALHM3	0	0	0.32	0.12	0.26	0.37
119467	CLRN3	0	0	0	0	0	0.23
1195	CLK1	176.59	201.59	90.07	206.39	128.26	160.29
119504	ANAPC16	46.46	50.77	53.54	36.57	81.13	52.25
119559	SFXN4	20.99	16.51	26.59	15.66	9.2	15.09
1196	CLK2	55.56	45.57	44.92	43.21	54.09	50.77
119710	IFTAP	1.04	1.17	1.91	2.5	1.88	3.26
119764	OR4X2	0	0	0	0	0	0.32
1198	CLK3	69.95	70.53	59.15	59.36	114.52	73.75
120	ADD3	85.89	54.74	101.45	47.54	109.62	101.58
1200	TPP1	162.75	115.87	105.94	123.97	292.65	162.08
120071	LARGE2	0.83	1.55	1.07	0.4	0.84	1.55
1201	CLN3	108.76	89.31	74.97	88.38	83.79	117.12
120103	SLC36A4	10.57	7.06	5.37	8.42	6	5.81
120224	TMEM45B	0.5	0.38	0.67	0.13	0.51	0.99
120227	CYP2R1	26.65	22.4	18	15.6	20.02	18.29
1203	CLN5	4.95	5.02	4.33	3.97	7.18	6.59
120379	PIH1D2	0.53	0.13	0.3	0.19	0.57	0.43
120406	NXPE2	0	0	0.04	0.04	0.02	0.02
120425	JAML	52.48	89.72	78.51	133.24	127.46	302.3
120526	DNAJC24	7.12	5.37	6.55	6.7	9	6.94
120534	ARL14EP	17.04	20.41	13.38	28.63	18.94	32.08
1207	CLNS1A	49.89	38.43	58.93	41.81	52.24	49.6
120863	DEPDC4	0.21	0.24	0.32	0.2	0.19	0.6
120892	LRRK2	0.1	0.02	0.14	0.14	0.05	0.28
1209	CLPTM1	140.88	91.43	94.53	74.56	109.41	123.18
120935	CCDC38	0	0	0.09	0	0.05	0
121006	FAM186A	0	0	0	0	0.01	0
121053	C12orf45	1.57	0.98	0.98	1.2	1	1.2
1211	CLTA	122	104.97	221.48	116.74	160.57	155.76
1212	CLTB	102.82	103.16	139.14	99.61	91.31	139.99
121214	SDR9C7	0	0.06	0	0.11	0	0
121256	TMEM132D	0	0	0.01	0	0	0
121260	SLC15A4	48.44	28.24	21.19	39.7	58.4	25.23
121268	RHEBL1	13.72	11.15	17.48	6.44	4.59	8.76
121273	C12orf54	0	0.23	0	0	0	0
121274	ZNF641	13.24	7.25	5.45	6.11	6.34	8.63
121275	OR10AD1	0	0.13	0	0	0	0.15
1213	CLTC	45.37	22.47	35.11	22.81	36.08	36.43
121340	SP7	0.04	0.07	0	0	0.2	0
121355	GTSF1	13.41	14.9	39.4	23.89	18.76	39.55
121391	KRT74	0	0	0.03	0	0	0
121441	NEDD1	19.84	12.99	15.92	12.8	14.04	16.73
121457	IKBIP	24.69	15.58	40.51	19.47	44.26	29.36
121504	H4-16	3.11	0.58	1.13	1.07	1.17	3.99
121506	ERP27	8.15	9.55	8.03	5.91	4.02	5.29
121512	FGD4	0.67	0.72	0.26	0.19	0.11	0.12
121536	AEBP2	27.51	13.13	12.81	15.82	25.69	26.59
121551	BTBD11	4.28	4.38	5.18	4.36	4.1	4.9
121599	SPIC	0	0	0	0	0	0.11
121642	ALKBH2	10.53	11.63	15.34	11.45	12.87	10.47

121665	'SPPL3'	29.53	21.83	17.74	22.27	19.84	23.07
121793	'TEX29'	0.47	0.29	0.75	0.87	1.88	2.16
122042	'RXFP2'	0.05	0	0	0	0	0
122060	'SLAIN1'	15.44	13.44	21.49	13.93	17.77	19.59
122402	'TDRD9'	0.42	0.46	0.91	0.3	0.21	0.25
122416	'ANKRD9'	2.53	2.67	3.8	2.04	3.79	3.1
122481	'AK7'	0	0	0.03	0	0.06	0.11
122509	'IFI27L1'	33.27	38.95	44.04	27.93	34.38	23.46
122525	'C14orf28	5.69	5.72	4.12	6.98	8.05	8.68
122553	'TRAPPC6E	36.16	28.42	19.81	25.22	40.21	30.02
122616	'CLBA1'	2.54	1.53	1.3	1.78	2.63	1.99
122618	'PLD4'	0.07	0	0.11	0.05	0	0.43
122622	'ADSS1'	0.4	1.2	0.87	0.55	2.83	0.42
122704	'MRPL52'	55.81	61.81	54.99	54.03	32.23	52.32
122769	'LRR1'	28.57	18.86	38.29	18.9	18.3	24.72
122773	'KLHDC1'	1.75	1.92	1.09	1.31	2.79	1.82
122786	'FRMD6'	0.53	0.4	0.73	0.37	2.14	0.83
122809	'SOCS4'	16.39	6.77	6.64	7.48	8.64	9.82
122830	'NAA30'	10.71	8.65	5.69	6.8	7.14	9.54
122945	'NOXRED1'	0.55	0.29	0.31	0.43	0.88	0.81
122953	'JDP2'	1.03	0.21	0.9	0.46	0.15	0.65
122961	'ISCA2'	9.71	11.05	16.04	12.77	17.36	22.36
122970	'ACOT4'	5.41	4.62	7.93	4.52	18.16	7.45
123	'PLIN2'	154.62	135.73	125.96	136.15	437.31	247.24
1230	'CCR1'	63.42	23.48	66.39	42.7	25.42	94.1
123016	'TTC8'	2.58	1.39	2.02	2.18	2.47	1.84
123036	'TC2N'	79.32	79.22	58.98	63.88	274.41	86.5
123041	'SLC24A4'	0.13	0.04	0.01	0.08	0.05	0.01
123096	'SLC25A29	4.2	4.96	20.44	2.19	33.6	3.4
123099	'DEGS2'	0.91	0.95	1.05	0.52	2.73	0.92
123103	'KLHL33'	1.38	1.41	0.96	0.84	1.28	1.25
123169	'LEO1'	21.41	17.45	25.9	12.48	18.71	19.68
1232	'CCR3'	1.68	8.95	21.01	0.42	12.47	7.05
123207	'C15orf40	19.69	12.42	12.53	12.63	14.98	16
123228	'SENP8'	0.08	0.25	0.56	0.53	2.08	1.24
123263	'MTFMT'	8.85	7.22	10.12	5.99	7.44	8.78
123283	'TARS3'	34.86	30.24	14.18	24.23	23.92	24.22
1233	'CCR4'	1.98	0.78	2.8	0.45	1.35	7.85
123355	'LRRC28'	16.41	12.57	13.2	9.27	16.54	13.57
1234	'CCR5'	87.57	51.25	99.24	65	82.19	223.96
1235	'CCR6'	5.73	4.43	11.26	4.88	7.5	14.51
123591	'TMEM266'	0.11	0.09	0.04	0.04	0.09	0.1
1236	'CCR7'	32.63	12.05	37.96	26.37	48.98	35.66
123606	'NIPA1'	6.83	5.87	7.62	6.05	15.57	11.35
123688	'HYKK'	0.22	0.3	0.47	0.88	0.76	1.09
1237	'CCR8'	0.58	0.44	2.58	0.47	0.3	4.72
123720	'WHAMM'	32.76	27.56	15.75	25.35	14.14	34.4
123722	'FSD2'	0.27	0.16	0.29	0.36	0.53	0.14
123775	'C16orf46	0.74	0.56	0.73	0.54	0.36	0.84
1238	'ACKR2'	0.43	0.49	0.32	0.15	0.57	0.08
123803	'NTAN1'	90.65	108.34	99.29	105.44	101.22	127.27
123811	'CEP20'	44.13	37.15	37.17	38.14	36.74	41.58
123872	'DNAAF1'	0	0.06	0.08	0	0	0.35
123879	'DCUN1D3'	5.98	5.43	7.48	5.06	6.94	7.03

123904	'NRN1L'	0.65	0.98	0.24	1.36	0.75	0.56
123920	'CMTM3'	149.41	133.48	130.41	142.8	201.9	186.65
1240	'CMKLR1'	0	0.07	0.02	0.18	0.06	0.21
124044	'SPATA2L'	7.27	7.93	7.22	7.12	7.89	11.09
124045	'SPATA33'	5.85	4.36	5.91	4.64	8.65	6.1
124056	'NOXO1'	1.84	0.72	0.27	0.52	0.38	0.26
124093	'CCDC78'	4.15	5.08	4.43	3.08	5.15	4.17
1241	'LTB4R'	19.76	18.83	20.04	12.5	18.29	20.7
124152	'IQCK'	0.4	0.26	0.43	0.8	0.89	0.86
124220	'ZG16B'	0.83	1.26	2.31	2.33	4.68	3.82
124222	'PAQR4'	57.39	34.99	61.34	23.66	40.62	28.44
124245	'ZC3H18'	72.03	46.29	52.16	42.08	66.84	68.28
124274	'GPR139'	0	0	0	0.02	0	0
124359	'CDYL2'	13.17	7.81	6.39	6.27	5.33	8.85
1244	'ABCC2'	0.99	0.87	0.49	1	1.66	2.3
124401	'ANKS3'	6.73	8.12	3.86	7.15	5.78	8.93
124402	'UBALD1'	33.8	26.86	33.92	21.13	25.25	35.26
124411	'ZNF720'	1.83	1.81	2.34	1.87	3.88	2.75
124446	'TMEM219'	95.18	123.24	116.39	118.23	127	126.98
124454	'EARS2'	3.71	2.48	3.5	2.84	2.43	3.64
124460	'SNX20'	31.83	28.24	38.21	20.39	62.89	54.69
124491	'TMEM170A	15.77	12.8	9.77	12.99	10.36	13.8
124512	'METTL23'	59.44	61.5	72.05	71.5	88.57	102.21
124535	'HSF5'	0.34	0.53	0.55	0.34	0.29	0.43
124540	'MSI2'	30.26	19.14	15.83	19.24	24.43	24.32
124565	'SLC38A10	60.28	43.21	55.77	29.23	62.35	67.37
124583	'CANT1'	40.1	30.62	33.23	28.13	43.64	35.11
124590	'USH1G'	0	0	0	0.03	0	0
124599	'CD300LB'	0	0.26	0.17	0	0.14	0.05
124602	'KIF19'	0.19	0.46	0.45	0.11	2.89	0.72
124626	'ZPBP2'	0	0	0.05	0	0.14	0
124637	'CYB5D1'	4.55	3.49	3.48	3.3	3.59	4.67
124641	'OVCA2'	115.76	128.18	150.22	153.57	132.5	196.36
124739	'USP43'	0.25	0.18	0	0.07	0.05	0
124751	'KRBA2'	1.05	0.27	0.31	0.76	1.17	0.54
124773	'C17orf64	0	0.27	0.13	0	0	0
124783	'SPATA32'	0.35	0.27	0.26	0.16	0.27	0
124790	'HEXIM2'	6.27	7.25	7.63	6.99	19.05	12.31
124801	'LSM12'	39.63	37.16	43.83	34.22	39.24	47.46
124808	'CCDC43'	28.37	25.83	25.84	21.33	17.73	30.1
124817	'CNTD1'	2.51	2.96	1.65	3.92	3.18	3.32
124842	'TMEM132E	0.02	0	0.06	0.03	0	0.04
124872	'B4GALNT2	2.8	1.43	0.76	0.78	2.27	1.67
124912	'SPACA3'	0	0	0	0	0	0.38
124923	'RSKR'	2.91	1.93	1.45	0.92	1.49	1.5
124925	'SEZ6'	0	0.02	0	0	0	0.03
124930	'ANKRD13B	3.48	3.11	7.24	2.02	6.59	8.72
124935	'SLC43A2'	1.39	0.61	0.71	0.74	0.46	3.09
124936	'CYB5D2'	10.91	11.98	15.97	12.17	22.17	18.82
124944	'C17orf49	486.69	507.4	458.96	403.86	263.01	348.29
124961	'ZFP3'	1.87	1	1.26	1.12	2.8	2.88
124975	'GGT6'	0.14	0.05	0.05	0.05	0	0.06
124976	'SPNS2'	0.6	0.71	0.28	0.29	2.17	0.46
124989	'EFCAB13'	0.14	0.15	0.21	0.12	0.92	0.61

124995	'MRPL10'	96.98	111.51	105	119.95	173.37	153.01
124997	'WDR81'	46.97	29.29	20.72	25.77	35.63	34.78
125058	'TBC1D16'	0.7	0.6	0.71	0.58	0.66	0.5
125061	'AFMID'	3.46	4.51	6.24	2.04	8.41	3.7
125111	'GJD3'	0.95	0.49	0.73	0.45	2.31	1.65
125150	'ZSWIM7'	4.3	4.83	6.7	5.77	5.59	9.53
125170	'MIEF2'	2.18	2.7	2.92	2.53	6.72	3.05
125206	'SLC5A10'	0.05	0.08	0.12	0.19	0.4	0.37
125228	'FAM210A'	8.75	6.19	7.46	6.35	13.95	7.22
125336	'LOXHD1'	0.02	0.02	0	0	0.08	0
125476	'INO80C'	24.64	17.23	26.76	26.69	12.37	24.68
125488	'TTC39C'	46.82	55.66	32.05	65.19	77.28	57.46
125875	'CLDND2'	22.79	16.83	14.04	16.76	13.14	12.6
125893	'ZNF816'	5.05	2	3	2.88	7.17	6.15
1259	'CNGA1'	0	0	0	0.03	0.15	0
125919	'ZNF543'	2.62	0.97	1.05	1.91	2.56	2.27
125950	'RAVER1'	115.7	67.3	90.58	56.81	81.3	87.89
125965	'COX6B2'	0.27	0.85	0.88	0.36	0.47	0.42
125972	'CALR3'	0.12	0	0.09	0	0.18	0
125981	'ACER1'	0.1	0.23	0.38	0.44	0.55	1.06
125988	'MICOS13'	158.09	183.1	205.07	179.6	107.15	185.72
126003	'TRAPPC5'	8.48	12.92	12.44	11.28	13.24	14.94
126006	'PCP2'	2.37	5.72	2.23	8.85	19.97	3.32
126014	'OSCAR'	0.33	0.2	0.4	0.33	0.26	0.49
126017	'ZNF813'	0.67	0.36	0.82	0.61	1.22	0.44
126068	'ZNF441'	1.15	0.96	1.09	0.55	2.24	2.96
126069	'ZNF491'	0.04	0.17	0.1	0.13	0.16	0.12
126070	'ZNF440'	2.48	3.84	2.3	1.57	3.35	3.22
126074	'SWSAP1'	5.36	5.54	11.8	6.26	6.39	9.22
126075	'CCDC159'	17.35	25.87	16.52	21.01	24.78	21.15
126119	'JOSD2'	45.49	56.92	59.06	39.38	91.74	69.55
126129	'CPT1C'	0.36	0.25	0.36	0.49	2.09	1.32
126133	'ALDH16A1	24.11	15.48	27.44	13.12	20.16	25.62
126147	'NTN5'	0.43	0.19	0.06	0.41	0.62	0.54
1262	'CNGA4'	0	0.14	0.06	0	0.16	0.07
126208	'ZNF787'	47.67	36.44	35.33	25.66	41.09	39.45
126231	'ZNF573'	0.38	0.48	0.2	0.27	0.68	0.5
126248	'WDR88'	0.96	0.43	0.59	0.44	0.69	0.6
126259	'TMIGD2'	46.44	57.96	24.23	28.28	61.99	78.07
126272	'EID2B'	2.57	3.22	1.75	3.5	5.38	3.47
126282	'TNFAIP8L	9.55	8.5	13.4	8.09	13.41	10.83
126295	'ZNF57'	3.03	3.39	3.06	3.27	4.82	4.29
126298	'IRGQ'	3.09	2.13	2.05	2.18	1.82	4.31
126299	'ZNF428'	36.63	44.65	37.34	45.32	33.3	38.57
1263	'PLK3'	25.86	21.23	25.61	26.08	20.31	45.88
126306	'JSRP1'	0.13	1.12	0.82	1.04	7.52	3.41
126308	'MOB3A'	138.08	118.63	128.76	98.45	362.93	207.11
126321	'MFSD12'	35.04	26.06	33.12	25.17	30.61	43.22
126326	'GIPC3'	0.29	0.39	0.51	0.3	1.11	0.48
126328	'NDUFA11'	273.53	337.56	364.59	277	292.15	354.89
126364	'LRRC25'	0.07	0.05	0.24	0.08	0	0.06
126374	'WTIP'	0.13	0.13	0.13	0.15	0.41	0.25
126375	'ZNF792'	7.66	6.3	4.15	4.08	10.03	6.81
126382	'NR2C2AP'	19.15	21.37	24.27	19.25	13.08	16.13

126393	'HSPB6'	0.2	0.3	0.37	0.07	0.15	0.17
126410	'CYP4F22'	0.9	0.65	0.9	0.67	0.74	1.36
126432	'RINL'	17.8	18.46	31.46	18.93	54.51	39
126433	'FBXO27'	0.17	0.04	0.43	0	0	0.21
1265	'CNN2'	207.89	165.5	411.99	152.79	312.86	387
126526	'C19orf47	22.22	18.94	21.37	12.37	19.93	20.09
126549	'ANKLE1'	1.17	1.58	2.4	1.13	1.28	1.72
1266	'CNN3'	0.2	0.11	0.56	0.38	0.7	0.38
126626	'GABPB2'	8.98	6.84	10.94	5.21	10.36	10.66
126637	'TCHHL1'	0	0	0	0	0.03	0
126661	'CCDC163'	5.04	3.39	5.34	2.44	3.68	2.66
126669	'SHE'	0	0	0	0	0	0.02
126695	'KDF1'	0.08	0.22	0.17	0.26	0.29	0.59
1267	'CNP'	27.52	20.19	38.72	23.74	32.12	55.43
126731	'CCSAP'	6.14	5.41	5.38	6.1	6.07	5.31
126789	'PUSL1'	18.7	14.38	26.58	12.41	16.71	18.92
126792	'B3GALT6'	28.62	19.25	24.97	19.43	18.15	22.77
1268	'CNR1'	0.09	0.02	0.03	0.02	0	0.06
126820	'DNAI3'	0.48	0.42	0.39	0.45	0.57	1.63
126823	'KLHDC9'	0.32	0.66	0.56	0.08	1.77	0.19
126859	'AXDND1'	0	0	0.03	0.08	0.05	0.03
126868	'MAB21L3'	0.57	0.3	0.18	0.25	0.3	0.51
1269	'CNR2'	8.1	8.05	4.05	4.88	1.16	4.33
126917	'IFFO2'	21.49	13.75	9.87	15.8	9.86	26.14
126969	'SLC44A3'	0.07	0	0	0.2	0.39	0.47
127	'ADH4'	0	0	0	0.05	0	0
1270	'CNTF'	8.53	5.11	2.56	3.02	1.29	3.46
127002	'ATXN7L2'	28.23	24.08	15.89	18.6	12.17	22.35
127003	'C1orf194	0	0	0	0.42	0	0
127018	'LYPLAL1'	2.51	2.47	5.16	2.79	6.62	8
127068	'OR2T34'	0	0	0	0.12	0	0.07
1271	'CNTFR'	0.07	0	0.05	0	0	0.06
127253	'TYW3'	20.29	15.4	13.91	15.7	10.27	16.67
127254	'ERICH3'	0.04	0.07	0.07	0.06	0.09	0.1
127255	'LRRIQ3'	0	0.14	0.47	0.13	1.71	1.38
127262	'TPRG1L'	30.56	23.59	17.17	25.49	31.98	36.52
127281	'PRXL2B'	19.46	14.73	20.35	11.32	31.76	20.67
127343	'DMBX1'	0	0	0.04	0.04	0.87	0.02
127391	'TMCO2'	0	0	0	0	0.21	0
127396	'ZNF684'	4.55	5.23	4.04	4.56	5.33	5.28
127428	'TCEANC2'	2.72	1.44	2.3	1.46	4.36	2.72
127435	'PODN'	0	0	0	0.04	0.04	0.05
127495	'LRRC39'	2.85	3.93	1.47	3.61	2.35	3.51
127534	'GJB4'	0	0	0	0.07	0	0
127544	'RNF19B'	44.35	28.7	29.47	28.2	29.43	49.78
127550	'A3GALT2'	0.15	0	0	0	0	0.14
127579	'DCST2'	0.43	0.3	0.04	0.16	0.71	0.33
127602	'DNAH14'	0.14	0.2	0.12	0.1	0	0.01
127665	'ZNF648'	0	0	0	0	0	0.03
127687	'C1orf122	51.15	55.39	48.68	54.97	43.5	60.6
1277	'COL1A1'	0.12	0.07	0.11	0.05	0.04	0.22
127700	'OSCP1'	2.16	1.15	0.87	2.48	0.9	1.96
127703	'C1orf216	22.98	15.98	13.74	9.86	15.98	20.7
127707	'KLHDC7A'	0	0	0.04	0	0	0

127733	'UBXN10'	1.29	0.91	1.48	2.26	0.39	2.93
1278	'COL1A2'	0.05	0.13	0	0	0	0
127829	'ARL8A'	100.1	64.28	66.16	64.85	50.96	81.95
127833	'SYT2'	0.17	0.08	0.03	0.04	0.05	0.02
127933	'UHMK1'	36.03	20.11	18.59	20.41	27.04	27.94
127943	'FCRLB'	1.35	1.38	1.74	1.12	2.58	2.05
128	'ADH5'	37.88	35.43	51.66	28.9	56.09	52.63
1280	'COL2A1'	0	0.04	0	0	0	0.02
128025	'WDR64'	0.04	0	0	0.08	0.04	0.13
128061	'C1orf131	22.89	22.06	26.56	21.94	18.32	25.88
128077	'LIX1L'	19.03	15.76	16.66	14.11	23.65	19.28
1281	'COL3A1'	0.02	0	0	0	0	0.02
128178	'EDARADD'	2.95	3.09	2.97	3.82	5.81	3.1
1282	'COL4A1'	0.05	0	0	0	0	0
128229	'TSACC'	0.53	0	0.84	0.63	0.59	0.32
128239	'IQGAP3'	11.08	5.01	6.8	2.7	5.11	3.48
128240	'NAXE'	93.19	99.9	114.03	87.2	67.47	111.11
128272	'ARHGEF19	4.23	3.5	2.87	4.05	2.68	4.18
128308	'MRPL55'	57.52	69.93	85.29	53.43	69.31	85.81
128312	'H2BU1'	1.21	1.37	0	0.42	1.85	1.05
128338	'DRAM2'	30.2	38.36	34.45	28.2	47.72	32.05
128344	'PIFO'	0.06	0.04	0.04	0.04	0.05	0.36
128346	'C1orf162	25.04	40.22	45.54	21.27	16.35	56.01
128372	'OR6N1'	0	0	0	0	0	0.03
128387	'TATDN3'	4.3	5.64	9.78	5.05	9.79	12.36
1284	'COL4A2'	0	0.01	0.01	0	0	0
128434	'VSTM2L'	5.45	3.78	2.16	2.07	1.21	2.32
128486	'FITM2'	2.69	1.2	1.31	1.47	2.83	1.35
128488	'WFDC12'	0	0	0	0	0	0.2
128497	'SPATA25'	0.74	0.18	0.36	0	0.95	0.23
1285	'COL4A3'	0.03	0.03	0.08	0.02	0.01	0.21
128506	'OCSTAMP'	0.08	0.3	0.14	0.11	0	0.07
128553	'TSHZ2'	0.37	0.07	0.31	0.22	0.1	0.56
1286	'COL4A4'	0.21	0.26	0.29	0.02	0.24	0.33
128611	'ZNF831'	6.53	5.79	3.75	5.35	7.84	6.94
128637	'TBC1D20'	35.05	23.91	19.63	21.61	28.81	32.96
128674	'PROKR2'	0	0.02	0	0	0	0
1287	'COL4A5'	0	0	0	0	0	0.06
128710	'SLX4IP'	1.46	2.06	2.48	1.33	3.12	3.57
1288	'COL4A6'	0.02	0	0	0	0.01	0
128853	'DUSP15'	0	0	0.33	0	0.09	0
128866	'CHMP4B'	168.13	163.88	184.49	136.96	141.78	212.93
128869	'PIGU'	33.26	24.19	38.29	26.29	22.86	29.6
1289	'COL5A1'	0.09	0.06	0.01	0.22	0.02	0.43
128977	'C22orf39	18.01	15.35	17.91	14.51	21.31	16.63
128989	'TANGO2'	22.45	16.03	24.48	16.91	23.88	29.58
1290	'COL5A2'	0.14	0.49	0.33	0.09	0.14	0.32
129049	'SGSM1'	0.27	0.3	0.11	0.17	0.38	0.45
129080	'EMID1'	2.24	1.19	1.47	0.77	0.16	0.36
1291	'COL6A1'	0.15	0.16	0.69	0.13	0.44	0.73
129138	'ANKRD54'	33.05	27.81	25.75	28.45	18.08	25.87
1292	'COL6A2'	2.86	2.26	1.1	1.78	3.34	3.62
129285	'PPP1R21'	10.22	12.6	12.73	9.34	19.34	15.3
129293	'TRABD2A'	9.37	8.22	22.69	3.28	10.08	13.57

1293	'COL6A3'	0.04	0.06	0.04	0.03	0.01	0.01
129303	'TMEM150A'	4.55	5.26	3.01	5.38	4.86	8.23
1294	'COL7A1'	0.22	0.06	0.04	0.06	0.47	0.14
129401	'NUP35'	13.86	11.27	16.67	12.55	8.18	12.68
129450	'TYW5'	8.67	8.17	5.41	5.15	5.56	8.9
1295	'COL8A1'	0	0	0	0.02	0	0
129530	'LYG1'	3.74	3.04	1.93	5.14	4.01	5.47
129531	'MITD1'	53.59	42.53	67.29	64.94	72.65	71.55
129563	'DIS3L2'	16.83	9.14	10.78	11.32	8.16	14.57
1296	'COL8A2'	0.06	0.04	0	0.06	0.02	0.02
129607	'CMPK2'	22.5	9.7	18.85	54.06	4.71	81.77
129642	'MBOAT2'	1.91	1.36	1.34	0.17	1.01	0.62
129685	'TAF8'	54.98	42.51	34.45	20.14	19.84	21.23
1297	'COL9A1'	0	0	0	0.03	0	0
129787	'TMEM18'	8.52	6.17	6.82	5.74	7.5	6.97
1298	'COL9A2'	38.42	33.67	22.11	15.25	39.54	16.98
129804	'FBLN7'	0.8	0.33	0.64	0.58	0.23	0.67
129807	'NEU4'	0.43	0.32	0.97	0.2	0.73	1.32
129831	'RBM45'	9.69	8.39	9.47	6.66	6.7	13.56
129868	'TRIM43'	0	0	0.18	0	0	0
129880	'BBS5'	16.69	11.23	6.32	9.2	11.64	11.8
129881	'CCDC173'	0.2	0.15	0.2	0.26	0	0.4
1299	'COL9A3'	0.16	0.08	0.08	0.15	0.41	0.92
1300	'COL10A1'	0.64	0.32	0.06	0.18	0.16	0.13
130026	'ICA1L'	2.9	1.89	1.28	1.55	0.71	1.08
130074	'FAM168B'	82.07	40.31	34.61	34.6	35.1	35.76
130132	'RFTN2'	0.14	0.1	0.05	0.06	0.11	0.1
130162	'CLHC1'	0.61	0.73	0.43	1.17	2.05	0.84
1302	'COL11A2'	0.98	0.94	0.28	0.29	0.65	0.55
130271	'PLEKHH2'	0.09	0.13	0.05	0.06	0.19	0.24
1303	'COL12A1'	0.03	0.04	0	0.01	0	0
130340	'AP1S3'	1.36	0.86	0.9	0.62	1.15	1.25
130355	'C2orf76'	12.35	10.14	13.75	7.4	13.71	13.51
130367	'SGPP2'	2.13	1.71	1.51	1.51	0.71	3.55
130399	'ACVR1C'	1.23	0.9	0.49	1.02	1.39	0.69
130497	'OSR1'	0	0	0.05	0	0	0
130502	'TTC32'	16.66	17.84	9.27	11.79	12.27	18.8
130507	'UBR3'	18.3	7.88	6.54	7.05	8.43	9.87
130535	'KCTD18'	22.2	23.9	16.47	22	25.8	26.67
130540	'FLACC1'	0.97	0.34	0.68	1.03	0.54	1.89
130557	'ZNF513'	29.65	28.41	17.23	23.87	23.71	29.15
130560	'SPATA3'	0.47	0.73	0.35	0.27	0.17	0.63
130574	'LYPD6'	0	0	0.02	0	0	0
130576	'LYPD6B'	0	0	0.08	0	0	0.1
130589	'GALM'	51.89	42.62	55.1	38.78	46.08	74.32
1306	'COL15A1'	0.28	0.31	0.25	0.87	0.28	0.4
130612	'TMEM198'	3.41	3.99	1.1	1.42	1.99	2.01
130617	'ZFAND2B'	65.59	73.92	72.46	83.78	67.52	74.22
1307	'COL16A1'	0	0.03	0.03	0	0	0
130733	'TMEM178A'	0.36	0.29	0.21	0.2	0.49	0.29
130749	'CPO'	0.05	0.03	0.03	0.05	0.03	0.04
130752	'MDH1B'	0	0	0	0	0.19	0
1308	'COL17A1'	0	0	0.02	0	0	0
130813	'C2orf50'	0.04	0.02	0.01	0.27	0.05	0.02

130814	SLC66A3	26.58	27.88	22.85	32.67	34.9	26.96
130827	TMEM182	0.89	1.37	1.4	0.92	2.21	1.15
130888	FBXO36	0.92	0.75	0.88	0.81	0.87	0.85
130916	MTERF4	33.23	24.23	24.74	37.05	39.65	39.06
130940	CCDC148	0	0	0	0	0.1	0
130951	M1AP	0.1	0	0.1	0.15	0.11	0.12
1310	COL19A1	0.01	0	0	0.06	0	0.17
131076	CCDC58	18.19	14.49	25.28	13.59	13.53	19.6
131096	KCNH8	0.15	0.07	0.04	0	0.02	0.02
131118	DNAJC19	14.38	14.6	22.91	14.87	17.65	16.62
1312	COMT	59.47	55.8	54.81	35.99	50.69	66.66
1314	COPA	70.16	39.02	50.42	31.16	77.1	58.75
131405	TRIM71	0	0.01	0	0	0	0.01
131408	FAM131A	2.34	3.8	2.78	2.51	5.53	4.52
131450	CD200R1	1.63	2.01	1.82	2.34	2.57	5.88
131474	CHCHD4	14.01	10.25	20	12.79	10.04	15.5
1315	COPB1	72.03	52.6	62.18	47.52	68.51	72.33
131540	ZDHHC19	0	0.1	0.21	0.1	0	0.12
131544	CRYBG3	0.92	0.6	0.41	0.57	3.5	1.26
131566	DCBLD2	0.32	0.14	0.2	0.07	0.18	0.17
131583	FAM43A	9.87	12.76	6.79	5.71	5.56	8.24
1316	KLF6	604.88	507.79	329.3	642.18	195.7	509.64
131601	TPRA1	24.78	24.37	20.5	17.72	23.93	31.44
131616	TMEM42	4.61	7.23	8.32	8.54	16.39	13.97
131669	UROC1	0	0	0	0	0.03	0
1317	SLC31A1	6.32	4.18	5.17	3.93	7.55	5.94
1318	SLC31A2	3.6	3.52	3.39	3.48	4.92	4.12
131831	ERICH6	0.06	0.2	0	0.04	0.04	0.15
131870	NUDT16	10.8	12.84	13	5.96	7.11	14.26
131873	COL6A6	0	0	0.01	0	0.01	0
131890	GRK7	0.1	0.18	0.03	0.05	0.06	0.05
131965	METTL6	19.61	12.94	18.06	11.72	18.04	17.51
132	ADK	21.56	13.86	24.55	13.16	9.11	20.84
132001	TAMM41	13.15	12.75	12.56	14.78	12.71	16.64
132014	IL17RE	1.66	1.07	0.62	2.61	0.42	7.64
132158	GLYCTK	15.06	13.19	16.62	9.16	11.95	13.64
132160	PPM1M	47.72	61.72	75.9	42.85	85.76	95.99
132200	C3orf49	0	0	0	0	0.08	0
132228	LSMEM2	0	0.19	0.09	0.09	0.08	0.26
132243	H1-8	0	0.02	0	0.08	0.06	0.05
132299	OCIAD2	103.72	116.48	109.53	122.06	74.99	110.68
132320	SCLT1	12.74	10.47	13.41	8.38	8.98	15.76
132321	C4orf33	25.16	21.5	21.16	12.97	18.23	22.96
132332	TMEM155	0.07	0	0.15	0	0	0
132430	PABPC4L	0	0	0	0	0.02	0
1325	CORT	0.5	0.77	0.65	0.97	0.47	0
1326	MAP3K8	61.65	50.8	29.12	36.61	16.46	30.17
132625	ZFP42	0.16	0.16	0.04	0.11	0	0.09
132660	LIN54	19.53	7.49	12.58	9.73	14.9	13.17
132671	SPATA18	0	0	0.02	0	0.18	0.35
1327	COX4I1	660.32	924.96	860.98	891.44	859.29	742.38
132720	FAM241A	45.97	25.13	15.19	23.61	25.47	36.06
132789	GNPDA2	17.08	12.65	10.14	12.26	17.12	14.53
132864	CPEB2	17.61	8.71	4.33	9.27	6.61	12.3

132884	'EVC2'	1.08	2.02	0.72	2.68	0.96	2.24
1329	'COX5B'	172.87	224.04	302.74	213.68	204.75	245.83
132946	'ARL9'	0.22	0.16	1.42	0.15	0.24	0.2
132949	'AASDH'	6.47	5.69	4.96	4.75	5.11	5.57
132989	'C4orf36'	0.28	0	0	0	0.63	0.41
133	'ADM'	1.63	3.12	0.36	3.36	30.82	2.43
133015	'PACRGL'	3.53	2.79	2.39	3.02	3.44	3.43
133022	'TRAM1L1'	0	0.05	0	0	0	0.06
133121	'ENPP6'	2.1	0.75	3.57	0.05	0.41	2.02
133308	'SLC9B2'	7.99	4.77	4.27	5.5	4.5	5.41
133383	'SETD9'	5.48	3.27	4.54	1.79	1.33	3.01
133396	'IL31RA'	0	0	0.07	0.01	0	0
133418	'EMB'	136.81	100.49	92.78	116.8	141.46	156.53
133491	'C5orf47'	0.05	0	0	0	0	0
133522	'PPARGC1E	1.99	0.47	1.14	0.75	0.32	0.83
133584	'EGFLAM'	0	0	0	0	0.05	0
133619	'PRRC1'	15.26	12.55	11.37	10.59	19.79	14.43
133686	'NADK2'	5.77	6.46	4.13	4.36	6.92	5.66
133690	'CAPSL'	0	0	0	0	0	0.23
1337	'COX6A1'	939.81	1076.6	1317.4	1223.86	645.58	1089.9
133746	'JMY'	7.97	6.83	3.26	4.78	6.74	13.05
133874	'C5orf58'	1.13	2.12	0.41	0.39	0	0
1339	'COX6A2'	1.03	0.77	0	0.71	0	0
133923	'ZNF474'	0.21	0.11	0.05	0.1	0	0.12
133957	'CCDC127'	2.75	2.32	2.43	2.57	6.11	3.08
134	'ADORA1'	0	0	0	0.03	0	0
1340	'COX6B1'	936.69	1265.9	1362.6	1328.07	959.16	1067.57
134111	'UBE2QL1'	0.07	0	0.15	0	0.05	0.52
134121	'C5orf49'	0.07	0	0	0	0	0
134145	'ATPSCKMT	3.41	4.4	7.79	3.24	4.75	4.3
134147	'CMBL'	0.19	0.07	0.56	0.02	2.82	0.4
134187	'POU5F2'	0.03	0.03	0.03	0.07	0.05	0.05
134218	'DNAJC21'	19.36	13.73	16.73	13.5	19.72	16.51
134265	'AFAP1L1'	0.11	0.03	0.17	0.03	0	0
134266	'GRPEL2'	9.04	6.88	9.34	6.77	8.06	19.64
134285	'TMEM171'	0	0	0	1.55	0.09	3.05
134353	'LSM11'	2.85	1.4	1.31	1.54	2.19	1.64
134359	'POC5'	16.45	19.6	20.27	16.74	16.73	24.37
134391	'GPR151'	0.08	0	0	0.09	0	0.22
134429	'STARD4'	38.9	26.66	30.33	17.92	44.06	32.5
134430	'WDR36'	13.5	8.56	7.75	7.1	4.6	9.17
134492	'NUDCD2'	6.47	6.24	7.17	4.72	6.47	6.77
1345	'COX6C'	338.2	341.61	364.81	324.74	185.54	264.17
134510	'UBLCP1'	42.21	35.15	39.65	29.26	26.13	48.11
134526	'ACOT12'	0.11	0.06	0.11	0.19	0.21	0.37
134548	'SOWAHA'	0.07	0.06	0	0	0.03	0
134549	'SHROOM1'	1.48	1.14	1.15	0.6	2.51	0.49
134553	'C5orf24'	20.71	19.73	12.7	15.55	22.38	16.89
134637	'ADAT2'	6.41	4.58	4.57	4.19	3.78	4.16
1347	'COX7A2'	384.36	517.75	566.02	441.94	330.71	465.28
134728	'IRAK1BP1	1.22	0.74	1.18	1.55	2.37	0.92
134829	'CLVS2'	0	0	0.01	0	0	0
1349	'COX7B'	36.81	47.1	57.14	42.18	31.3	42.18
134957	'STXBP5'	18.27	7.77	6.11	6.49	5.76	10.02

135	'ADORA2A'	15.68	13.34	17.2	14.92	39.12	22.85
1350	'COX7C'	506.74	686.32	768.4	739.15	567.78	631.86
1351	'COX8A'	1096.5	1272.8	1375.3	959.66	733.62	837.01
135112	'NCOA7'	22.72	15.75	13.97	12.01	17.37	17.9
135114	'HINT3'	10.44	6.55	6.33	6.99	9.04	11.15
135138	'PACRG'	0	0.04	0.09	0.04	0	0.04
135152	'B3GAT2'	1.35	1.36	0.96	1.65	1.81	1.24
135154	'SDHAF4'	3.2	3.87	8.27	3.59	12.54	7.5
1352	'COX10'	15.07	10.59	13.57	9.81	8.55	16.84
135228	'CD109'	2.77	1.44	1.11	0.9	2.79	0.64
135250	'RAET1E'	0.18	0.15	0	0.05	0	0.19
135293	'PM20D2'	5.48	3.16	4.03	4.19	4.86	3.08
135295	'SRSF12'	0	0	0.08	0	0.07	0
1353	'COX11'	42.8	31.31	30.38	32.85	33.06	34.67
135398	'C6orf141	0	0	0.04	0	0	0
135458	'HUS1B'	4.32	5.01	2.52	4.65	2.28	4.58
1355	'COX15'	9.57	7.59	13.72	6.31	16.15	13.66
1356	'CP'	0.13	0.1	0	0.07	0.05	0
135644	'TRIM40'	0	0	0	0	0	0.06
135656	'MUCL3'	0	0	0	0	0	0.02
1359	'CPA3'	1.49	0.65	37.04	0.88	0.31	1.38
135932	'TMEM139'	0.14	0.17	0.31	0.34	0.32	0.48
135941	'OR2A14'	0	0.11	0	0.42	0.11	0.8
136	'ADORA2B'	0.57	0.36	0.76	1.36	1.57	1.58
136051	'ZNF786'	3.43	1.88	1.85	1.96	5.65	3.5
1361	'CPB2'	0	0.06	0.11	0.06	0.07	0
1362	'CPD'	56.67	23.49	14.92	30.04	18.58	24.7
136242	'PRSS37'	0	0	0	0	0	0.01
136288	'C7orf57'	0.44	0.45	0.41	0.52	1.42	0.44
1363	'CPE'	0.05	0.08	0	0	0	0
136306	'SVOPL'	0.06	0.08	0.23	0.02	0	0.09
136319	'MTPN'	41.34	25.5	35.69	20.17	35.33	35.45
136332	'LRGUK'	0.43	0.08	0.11	0.3	0.22	0.3
1364	'CLDN4'	0.07	0.06	0.11	0.05	0.06	0.07
1366	'CLDN7'	0.4	0.2	0.52	0.39	0.51	0.35
136647	'MPLKIP'	3.41	2.94	4.33	3.93	6.27	4.82
1368	'CPM'	0.11	0.07	0.21	0.13	0.19	0.32
136853	'SSC4D'	0.15	0.15	0.3	0.11	0.16	0.22
136895	'C7orf31'	8.49	6.27	4.93	7.33	7.41	8.02
137075	'CLDN23'	0	0.09	0.09	0.44	0.05	0
1371	'CPOX'	51.05	36.6	25.4	48.03	54.46	61.03
137209	'ZNF572'	0	0	0.17	0.16	0.37	0.21
1373	'CPS1'	0	0.02	0.02	0.02	0.12	0.06
137392	'CIBAR1'	0.29	0.36	0.27	0.17	0.44	0.06
1374	'CPT1A'	56.16	29.44	47.85	27.81	48.21	42.77
137492	'VPS37A'	16.35	9.82	11.44	9.88	11.58	13.19
1375	'CPT1B'	9.36	12.13	22.92	29.7	33.09	21.68
1376	'CPT2'	5.55	4.84	9.03	4.18	11.43	9.3
137682	'NDUFAF6'	11.33	8.99	7.43	10.14	4.24	9.5
137695	'TMEM68'	9.93	7.23	9.5	6.28	14.34	9.44
137735	'ABRA'	0.05	0.14	0	0	0.04	0
1378	'CR1'	0.01	0.01	0.46	0.04	0.01	0.1
137835	'TMEM71'	33.36	31.58	44.07	30.31	55.89	23.95
137868	'SGCZ'	0	0	0	0	0.01	0

137872	'ADHFE1'	9.49	15.48	8.82	12.61	17.62	15.02
137886	'UBXN2B'	17.1	11.62	13.93	9.57	11.47	13.88
1379	'CR1L'	0	0	0.06	0	0	0
137902	'PXDNL'	0.03	0.02	0.02	0	0.02	0.04
137964	'GPAT4'	37.18	25.79	22.55	24.41	34.14	31.06
137970	'UNC5D'	0	0.01	0	0.01	0	0
137994	'LETM2'	3.44	2.86	3.06	3.78	5.31	5.78
1380	'CR2'	0.03	0	0.12	0.02	0	0.08
138046	'RALYL'	0	0.04	0	0.03	0	0
138050	'HGSNAT'	17.23	13.18	8.04	7.76	16.1	11.73
138065	'RNF183'	0	0.04	0.13	0.26	0	0
138151	'NACC2'	5.43	4.03	7.97	4.03	7.25	6.7
138162	'C9orf116	0.32	2.8	2.74	1.4	3.53	1.49
138199	'CARNMT1'	11.93	9.47	11.64	9.15	10.75	12.36
1382	'CRABP2'	10.59	9.63	3.68	11.59	2.83	8.24
138241	'C9orf85'	7.61	10.02	12.57	11.31	12.74	14.69
138255	'C9orf135	0.75	0.75	0	0	0	0
138311	'DIPK1B'	0.84	0.55	0.9	0.71	0.48	0.34
1384	'CRAT'	32.05	29.19	26.21	19.03	28.61	30.81
138428	'PTRH1'	11.72	9.93	27	9.26	6.86	23.4
138429	'PIP5KL1'	1.72	0.85	0.69	0.73	2.03	1.18
138474	'TAF1L'	0.06	0.03	0	0	0.03	0.03
1385	'CREB1'	21	13.72	15.29	14.26	17.81	25.52
1386	'ATF2'	31.11	22.07	16.71	20.45	31.78	26.38
138639	'PTPDC1'	2.71	1.37	1.89	1.57	2.35	1.64
138652	'PRSS47'	0	0.06	0.03	0	0	0.04
1387	'CREBBP'	58.86	25.83	16.19	19.92	23.85	32.78
138715	'ARID3C'	0.25	0.21	0.21	0.22	0.29	0.15
138716	'RPP25L'	8.45	10.32	28.3	11.67	40.57	30.56
138724	'C9orf131	0.44	0.15	0.14	0.17	0.13	0.25
1388	'ATF6B'	142.82	103.03	110.49	69.27	141.34	130.85
138881	'OR1L8'	0.08	0	0.11	0	0.14	0
1389	'CREBL2'	12.8	9.63	10.53	12.3	18.57	20.19
1390	'CREM'	66.37	77.86	103.78	43.4	60.19	105
139189	'DGKK'	0	0	0	0.02	0	0
139231	'FAM199X'	11.6	7.69	5.65	6.42	8.18	6.58
139285	'AMER1'	2.48	1.15	0.66	0.83	1.35	1.43
1393	'CRHBP'	0	0	1.08	0	0.13	0.07
139322	'APOOL'	2.66	2.52	3.49	2.04	2.89	3.81
139324	'HDX'	0.7	0.9	0.2	0.24	0.45	0.37
139341	'FUNDC1'	16.36	16.65	18.44	13.65	15.39	22.37
139378	'ADGRG4'	0.01	0	0	0	0	0
139411	'PTCHD1'	0	0	0	0.01	0.01	0
139422	'MAGEB10'	0	0	0	0.05	0.05	0
1395	'CRHR2'	0.06	0.06	0.06	0.05	0.07	0.08
139562	'OTUD6A'	0.08	0.06	0	0.06	0	0
139596	'UPRT'	12.18	7.4	8.73	9.66	12.56	12.52
1396	'CRIP1'	629.85	950.84	1094.1	1405.37	679.62	904.48
1397	'CRIP2'	1.92	1.98	1.74	4.33	4.35	6.44
139716	'GAB3'	43.47	36.3	25.26	29.96	37.63	48.99
139728	'PNCK'	0	0.07	0	0.34	1.78	0.34
139735	'ZFP92'	2.26	1.23	1.02	0.99	3.93	1.89
1398	'CRK'	15.16	9.57	7.6	8.98	11.41	9.18
139818	'DOCK11'	61.32	31.82	36.71	27.87	42.66	50.22

139886	'SPIN4'	4.83	2.32	3.4	2.47	6.11	2.58
1399	'CRKL'	39.4	25.36	22.68	22.48	39.19	22.07
14	'AAMP'	59.51	48.41	64.37	43.09	50.42	56.37
140	'ADORA3'	0	0	0.09	0	0	0
1400	'CRMP1'	0.35	0.43	0.59	0.31	0.17	1.77
140032	'RPS4Y2'	0	0	0.3	0.28	0.31	0
1401	'CRP'	0	0	0.05	0	0	0
140453	'MUC17'	0	0	0.01	0	0	0
140456	'ASB11'	0	0.04	0	0.03	0	0
140458	'ASB5'	0.04	0.03	0	0	0	0
140459	'ASB6'	21.85	17.89	12.89	13.27	15.54	18.09
140460	'ASB7'	12.25	8.88	8.48	9.27	11.29	13
140461	'ASB8'	22.21	19.37	18.81	14.94	27.28	26.37
140462	'ASB9'	0.51	0.46	0.71	0.19	0.33	1.76
140465	'MYL6B'	63.82	89.92	89.45	64.74	97.3	80.18
140467	'ZNF358'	45.14	35.21	19.06	40.49	35.97	21.37
140469	'MYO3B'	0.14	0.16	0.2	0.04	0.13	0.07
140545	'RNF32'	3.74	3.09	3.27	1.4	2.65	3.12
140564	'APOBEC3I	23.55	13.61	16.8	19.99	28.52	19.68
140576	'S100A16'	0.13	0.1	0	0	0	0
140578	'CHODL'	0.07	0.13	0.72	1.2	1.27	2.31
140597	'TCEAL2'	0.14	0	0	0	0	0.12
1406	'CRX'	0.26	0.1	0.17	0.06	0.06	0.07
140606	'SELENOM'	7.92	10.92	4.64	14.32	12.24	11.18
140609	'NEK7'	44.41	29.48	28.96	33.66	45.72	40.62
140612	'ZFP28'	1.07	1.03	0.87	0.72	0.45	1.07
140680	'C20orf96	6.75	6.51	6.63	4.4	4.41	3.22
140685	'ZBTB46'	0.88	1.09	0.66	0.58	0.71	0.9
140686	'WFDC3'	0	0	0	0	0.26	0.15
140688	'NOL4L'	10.24	8.08	8.27	5.76	9.76	15.36
140690	'CTCFL'	0	0	0	0.03	0	0
140691	'TRIM69'	1.53	2.22	2.74	4.47	9.8	14.07
140699	'MROH8'	0.35	0.59	1.04	0.57	1.06	1.32
1407	'CRY1'	35.3	22	15.52	29.15	14.63	30.67
140700	'SAMD10'	28.25	30.88	22.65	21.94	47.11	30.34
140701	'ABHD16B'	2.11	1.67	3.06	2.02	4.78	4.19
140707	'BRI3BP'	12.77	7.86	11.52	5.56	10.59	6.66
140710	'SOGA1'	0.35	0.17	0.32	0.11	0.22	0.43
140711	'TLDC2'	3.92	3.86	2.62	5.44	2.55	7.73
140730	'RIMS4'	0	0.03	0	0	0	0
140731	'ANKRD60'	0.04	0.03	0.03	0	0.07	0.11
140733	'MACROD2'	0.03	0.02	0.09	0.02	0.25	1.52
140735	'DYNLL2'	27.36	19.93	29.01	20.52	28.22	31.71
140739	'UBE2F'	45.42	46.65	48.88	33.91	46.75	52.15
140766	'ADAMTS14	5.08	3.97	2.7	1.89	9.62	2.26
140775	'SMCR8'	38.98	15.62	9.87	16.73	21.77	21.04
1408	'CRY2'	12.3	10.78	7.37	8.07	16.45	11.69
140803	'TRPM6'	0	0.01	0.01	0	0	0
140807	'KRT72'	0.67	0.48	6.16	1.73	0.17	0.38
140809	'SRXN1'	41.15	29.54	35.1	22.93	29.09	37.25
140823	'ROMO1'	100.48	138.99	145.98	157.03	152.45	121.43
140825	'NEURL2'	0.74	0.47	0.26	1.05	1.38	0.91
140831	'ZSWIM3'	1.12	1.28	0.94	0.89	3.62	1.44
140838	'NANP'	2.26	1.64	2.65	2.1	2.49	2.77

140862	'ISM1'	0.46	0.22	0.09	0.44	0.13	0.18
140873	'C20orf17	0	0	0	0	0	0.22
140876	'RIPOR3'	0.2	0.06	0.37	0.05	0.03	0.24
140880	'CST11'	0.56	0	0	0	0	0
140883	'ZNF280B'	0.87	0.62	0.52	0.87	0.86	0.8
140885	'SIRPA'	0.25	0.02	0.82	0.46	0.14	0.75
140890	'SREK1'	35	28.72	16.6	25.67	14.45	23.67
140894	'CNBD2'	0.46	0.29	0.68	0.32	0.35	0.48
140901	'STK35'	15.21	9.85	7.05	8.02	9.26	9.56
141	'ADPRH'	13.07	6.22	7.53	5.23	9.73	12.6
1413	'CRYBA4'	0	0.33	0.16	0.45	0.67	0.56
1414	'CRYBB1'	0	0	0.11	0.11	0	0.26
1415	'CRYBB2'	3.71	2.45	2.07	3.08	2.88	6.05
1417	'CRYBB3'	0.24	0.95	0.71	1.29	2.71	2.22
142	'PARP1'	108.43	62.93	110.79	45.68	69.92	90.06
142678	'MIB2'	12.91	13.16	7.81	10.29	26.46	16.55
142679	'DUSP19'	0.05	0.02	0.06	0.02	0.27	0.15
142680	'SLC34A3'	0.33	0.1	0	0	0	0
142684	'RAB40A'	0	0	0	0	0.16	0
142685	'ASB15'	0.06	0.04	0.09	0.04	0	0.05
142686	'ASB14'	2.56	0.78	0.75	1.3	1.11	0.79
142689	'ASB12'	0.23	0.62	0.35	0.16	0.09	1.03
1427	'CRYGS'	2.23	3.83	4.65	3.26	5.81	4.6
142891	'SAMD8'	9.35	7.04	4.28	6.95	5.78	8.83
1429	'CRYZ'	19.35	17.13	25.05	22.43	21.94	30.84
142940	'TRUB1'	7.29	6.86	6.58	5.39	6.12	7.29
143	'PARP4'	64.51	29.29	37.39	31.27	54.69	57.37
143098	'MPP7'	2.79	0.71	1.07	4.74	1.76	1.13
1431	'CS'	157	100.84	119.76	93.71	54.18	109.39
143162	'FRMPD2'	0.03	0.06	0	0	0	0.13
143187	'VTI1A'	19.14	15.19	15.28	14.34	10.93	20.18
1432	'MAPK14'	50.04	34.74	27.69	30.72	32.59	31.61
143244	'EIF5AL1'	0.16	0.13	0.28	0.84	0.26	0.11
143279	'HECTD2'	1.94	2.05	1.2	1.37	1.24	1.93
143282	'FGFBP3'	1.08	1.21	1.07	1.73	1.48	1.53
143379	'C10orf82	0	0	0.12	0	0	0.15
143384	'CACUL1'	7.83	7.32	5.21	6.28	5.44	6.79
1434	'CSE1L'	37.98	20.63	50.5	18.98	28.04	30.21
143458	'LDLRAD3'	0.53	0.46	0.13	0.05	0.03	0.3
143471	'PSMA8'	0.08	0.25	1.09	0.16	1.23	1.28
1435	'CSF1'	29.9	11.86	26.53	28.62	7.56	54.43
143570	'XRRA1'	7.8	6.01	8.36	5.41	8.84	10.98
1436	'CSF1R'	0	0.15	0.08	0.28	0.05	0.12
143630	'UBQLNL'	0.06	0.17	0.09	0.24	0.72	0.45
143684	'FAM76B'	27.82	21.38	15.65	17.87	17.4	19.65
143686	'SESN3'	7.76	5.2	5.13	4.43	12.6	12.63
143689	'PIWIL4'	1.68	1.36	0.64	1.67	0.42	1.83
1437	'CSF2'	15.02	62.48	21.91	14.12	8.51	29.14
1438	'CSF2RA'	0.09	0.16	0.2	0.22	0.1	0
143872	'ARHGAP42	0.45	0.13	0.2	0.13	0.23	0.3
143879	'KBTBD3'	0.92	2.15	1.66	1.35	3.59	2.06
143884	'CWF19L2'	10.17	7.44	5.24	9.01	10.36	8.53
143888	'POGLUT3'	24.49	15.07	19.87	12.63	9.75	16.4
1439	'CSF2RB'	56.05	12.38	30.65	5.53	4.2	13.37

143903	'LAYN'	2.58	1.96	1.72	1.39	2.42	0.89
143941	'TTC36'	1.21	0.45	0.47	0.21	0.24	0.27
144097	'SPINDOC'	41.07	34.65	43.7	28.26	26.25	28.84
1441	'CSF3R'	0.23	0.09	0.32	0.21	0	0.09
144100	'PLEKHA7'	0.24	0.15	0.09	0.23	0.09	0.81
144108	'SPTY2D1'	39.54	21.83	17.14	22.57	21.83	45.54
144110	'TMEM86A'	0.74	0.4	0.68	0.37	1.98	1.51
144132	'DNHD1'	6.24	4.12	2.56	2.42	3.89	3.58
144165	'PRICKLE1	0.03	0.02	0.12	0.04	0	0.06
144193	'AMDHD1'	0.42	0.59	1.61	1.39	1.5	1.37
144195	'SLC2A14'	0.05	0	0.03	0	0.1	0.03
144233	'BCDIN3D'	2.69	2.77	3.3	3.9	6.36	4.68
144245	'ALG10B'	1.96	1.55	1.29	1.37	2.83	1.36
144321	'GLIPR1L2	1.6	1.73	1.64	0.9	1.6	1.94
144347	'RFLNA'	0	0	0	0.04	0	0
144348	'ZNF664'	35.38	22.42	25.51	23.99	45.69	36.2
144363	'ETFRF1'	7.52	7.61	14.45	15.66	16.16	12.7
144402	'CPNE8'	2.13	2.5	1.49	1.07	2.62	2.9
144404	'TMEM120B	6.32	4.9	5.44	3.36	5.14	6.93
144406	'CFAP251'	0.19	0.06	0.14	0.38	0.25	0.15
144423	'GLT1D1'	0.29	0.26	0	0.19	0.16	0.04
144453	'BEST3'	0	0	0	0	0.04	0
144455	'E2F7'	13.62	4.95	5.55	2.93	10.42	3.63
1445	'CSK'	175.07	147.68	202.93	112.59	117.83	213.84
144535	'CFAP54'	0.06	0.07	0.06	0.03	0.13	0.24
144577	'C12orf66	3.41	2.71	2.46	3.8	3.12	2.8
1446	'CSN1S1'	0	0	0	0	0.14	0
144608	'C12orf60	0.55	0.62	1.86	0.52	3.89	0.72
144699	'FBXL14'	37.18	18.14	18.85	17.91	27.96	24.72
144715	'RAD9B'	0.87	0.98	1.25	1.33	0.74	1.51
144717	'PHETA1'	1.19	0.36	0.52	1.08	1.37	0.61
144811	'LACC1'	12.09	7.99	5.28	5.09	7.25	9.91
144983	'HNRNPA1L	21.15	18.91	16.02	18.51	14.5	19.4
145173	'B3GLCT'	7.17	4.1	4.52	4.64	4.56	6.01
1452	'CSNK1A1'	52.81	37.09	42.33	38.18	46.51	58.95
145226	'RDH12'	0.22	0	0.11	0.2	0	0.06
145258	'GSC'	0.13	0.1	0.1	0.09	0	0
145282	'MIPOL1'	0.02	0	0	0	0	0.07
1453	'CSNK1D'	105.89	78.45	58.1	69.43	76.1	80.63
145376	'PPP1R36'	0.48	0.08	0.18	0.42	0.37	0.84
145389	'SLC38A6'	3.03	2.46	4.6	2.99	2.9	4.75
1454	'CSNK1E'	40.27	28.52	35.23	23.67	52.53	35.52
145407	'ARMH4'	0	0	0.05	0.04	0	0
145482	'PTGR2'	1.44	2.11	2.9	1.64	3.72	2.84
145483	'FAM161B'	1.76	0.79	1	1.01	2.07	1.68
1455	'CSNK1G2'	109.99	110.74	103.62	90.15	124.58	129.47
145501	'ISM2'	0.05	0	0	0.04	0.04	0.04
145508	'CEP128'	8.14	3.39	6.76	3.04	4.17	6.6
145553	'MDP1'	8.77	11.52	19.56	10.44	16.05	21.4
145567	'TTC7B'	4.83	1.48	2.54	1.36	1.06	2.2
1456	'CSNK1G3'	16.37	12.98	8.98	11.42	11.91	15.66
1457	'CSNK2A1'	37.25	16.59	22.91	18.19	22.79	25.04
145741	'C2CD4A'	0.07	0	0	0.03	0.03	0.13
145748	'LYSMD4'	7.96	6.99	5.06	5.5	6.08	9.9

145773	'FAM81A'	0.04	0	0.03	0	0.03	0
145781	'GCOM1'	0.19	0.04	0.06	0.04	0	0
145788	'C15orf65	0.58	0.44	0.14	0.95	0.3	0.68
145853	'C15orf61	2	2.68	1.94	2.67	1.87	2.15
145864	'HAPLN3'	41.73	26.22	38.48	35	33.21	50.94
1459	'CSNK2A2'	34.18	19.73	21.08	20.48	31.06	27.37
145957	'NRG4'	1.23	1.42	0.59	1.25	1.66	1.18
146	'ADRA1D'	0.04	0	0	0.03	0	0
1460	'CSNK2B'	456.84	416.56	529.79	383.48	457.25	411.27
146050	'ZSCAN29'	10.77	6.71	4.65	5.36	8.67	7.61
146057	'TTBK2'	4.74	3.3	2.83	2.75	4.92	4.88
146059	'CDAN1'	8.69	7.59	6.02	6.08	6.83	6.09
146177	'VWA3A'	0.12	0.09	0.03	0.03	0.22	0.24
146183	'OTOA'	0.2	0.35	0.15	0.53	0.47	0.34
146198	'ZFP90'	8.17	9.86	6.6	5.17	25.33	14.24
1462	'VCAN'	0.01	0	0.01	0	0.01	0
146206	'CARMIL2'	48.84	38.9	34.82	27.41	26.23	43.64
146212	'KCTD19'	0	0.1	0.03	0	0.03	0.08
146223	'CMTM4'	1.14	0.81	0.7	1.3	1.13	1.04
146225	'CMTM2'	2.25	2.15	1.67	2.36	0.82	1.05
146227	'BEAN1'	0	0.14	0.15	0.07	0.03	0.2
146279	'TEKT5'	0	0.13	0.07	0	0	0
1463	'NCAN'	0.02	0.03	0.01	0	0.01	0.03
146310	'RNF151'	0	0	0	0	0.17	0
146325	'PRR35'	0.29	0	0	0.14	0	0.16
146330	'FBXL16'	1.84	2.16	4.01	1.65	13.93	10.24
146395	'GSG1L'	0.03	0.02	0	0	0	0
1464	'CSPG4'	0.16	0	0.02	0.04	0.08	0.01
146429	'SLC22A31	0.04	0	0	0	0	0.08
146433	'IL34'	0.08	0.12	0	0.06	0	0
146434	'ZNF597'	3.17	2.66	1.65	2.86	1.9	2.87
146439	'BICDL2'	0.34	0.86	0.15	0.62	14.16	0.15
146456	'TMED6'	0.72	0.55	1.48	0.51	1.27	0.95
1465	'CSRP1'	115.74	88.51	137.18	76.41	108.41	109.92
146540	'ZNF785'	7.87	2.75	2.73	3.3	5.22	5.07
146542	'ZNF688'	25.82	29.59	31.29	32.72	46.3	45.21
146547	'PRSS36'	0.46	0.3	0.86	0.66	0.47	0.39
146562	'C16orf71	0.06	0.08	0	0	0	0.13
1466	'CSRP2'	0.19	0.29	0	0.13	0.59	0.17
146664	'MGAT5B'	0	0.09	0	0.04	0.08	0.03
146691	'TOM1L2'	10.26	7.88	7.63	6.13	11.34	11.97
146705	'TEPSIN'	52.46	45.86	23.55	32.23	32.69	40.64
146712	'B3GNTL1'	3.71	3.35	11.4	5.2	9.59	10.63
146713	'RBFOX3'	0.31	0.54	0.03	0.18	0.14	0.04
146722	'CD300LF'	0	0	1.34	0.17	0	0.14
146723	'C17orf77	0	0	0	0	0	0.09
146754	'DNAH2'	0.02	0.09	0	0	0	0
146760	'RTN4RL1'	0.25	0.4	0.26	0.37	6.29	0.74
146779	'EFCAB3'	0.2	0	0	0.19	5.29	0
1468	'SLC25A1(	19.82	16.22	31.81	6.86	17.33	13.96
146822	'CDRT15'	1.2	1.21	0.44	0.63	0.71	1.31
146845	'CFAP52'	0.07	0	0	0	0	0
146849	'CCDC42'	0	0.08	0.2	0.19	0	0.28
146850	'PIK3R6'	4.83	5.07	4.76	3.3	34.41	2.81

146853	'C17orf5(	0	0	0.11	0	0.12	0
146857	'SLFN13'	75.39	51.4	38.38	35.12	52.11	44.98
146861	'SLC35G3'	0.07	0.11	0.11	0.1	0.17	0.13
146862	'UNC45B'	0.09	0.22	0.05	0.4	0.12	0.17
146894	'CD300LG'	0	0	0.04	0	0	0.05
146909	'KIF18B'	29.91	12.39	17.1	7.82	5.82	8.5
146923	'RUNDC1'	8.57	5.53	5.09	6.77	10.46	8
146956	'EME1'	5.54	4.66	10.55	3.38	6.72	4.04
147	'ADRA1B'	0	0.07	0.07	0	0	0.12
147007	'TMEM199'	17.18	15.3	15.95	15.68	11.77	22.18
147011	'PROCA1'	4.75	4.32	2.2	3.15	4.61	4.86
147015	'DHRS13'	20.18	16.58	19.61	14.57	33.18	17.82
147040	'KCTD11'	10.49	6.33	5.53	3.57	32.87	9.13
1471	'CST3'	42.43	37.45	10.19	21.18	11.56	6
147111	'NOTUM'	0.18	0	0.27	0.04	0.47	0.05
147138	'TMC8'	282.47	177.53	170.86	135.03	185.04	241.83
147166	'TRIM16L'	1.78	2.09	2.01	3.35	4.56	4.16
147179	'WIPF2'	19.18	10.91	9	11.63	16.1	15.3
147323	'STARD6'	0.14	0.31	0.23	0	0	0.27
147339	'C18orf25	16.13	10.42	10.19	13.04	12.56	17.88
147372	'CCBE1'	0.02	0.01	0.06	0.02	0.03	0.03
1474	'CST6'	0.36	0	0	0	0.28	0
147407	'SLC25A52	0.23	0	0	0	0	0.2
147463	'ANKRD29'	0.04	0	0.2	0.01	0	0
147495	'APCDD1'	0	0.02	0	0.05	0.03	0.04
1475	'CSTA'	0	0	2.53	0.51	0	0
1476	'CSTB'	366.72	394.91	475.79	392.73	578.79	568.79
147645	'VSIG10L'	0.76	1.1	0.85	0.8	0.7	0.69
147646	'C19orf84	2.08	2.16	0.9	1.08	1.45	0.48
147650	'SPACA6'	0.07	0	0.11	0.05	0.12	0.53
147657	'ZNF480'	5.53	5.63	4.43	3.96	6.01	7.01
147658	'ZNF534'	0	0.02	0	0	0.1	0.09
147660	'ZNF578'	0.42	0.26	0.39	0.29	0.55	0.53
147664	'ERVV-1'	0.18	0.04	0.16	0.11	0.04	0.11
147670	'SMIM17'	0	0.08	0.04	0.28	0.04	0.17
147685	'C19orf18	0	0.27	0	0.13	0.28	0
147686	'ZNF418'	0.22	0.32	0.23	0.15	0.11	0.14
147687	'ZNF417'	4.31	2.43	1.73	2.24	5.55	3.61
147694	'ZNF548'	9.01	7.36	5.75	6.6	12.9	9.57
147699	'PPM1N'	1.29	1.78	1.75	1.08	2.65	2.98
1477	'CSTF1'	25.97	20.95	28.81	23.29	38.39	34.76
147700	'KLC3'	0	0	0	0	0	0.07
147719	'LYPD4'	0	0	0	0.03	0	0
147741	'ZNF560'	0	0	0	0	0	0.04
147744	'TMEM190'	0.26	0	0.1	0	0.27	0
147746	'HIPK4'	0	0.12	0.2	0.08	0	0.05
147798	'TMC4'	1.58	2.56	1.7	1.46	6.55	1.62
1478	'CSTF2'	32.42	20.29	22.91	16.74	14.47	20.31
147807	'ZNF524'	26.02	30.4	32.43	21.5	67.25	40.3
147808	'ZNF784'	6.75	5.89	8.94	5.32	7.94	10.94
147837	'ZNF563'	0.24	0.56	1.08	0.42	2.62	0.88
147841	'SPC24'	11.17	6.81	21.11	7.07	15.28	6.48
147872	'KASH5'	0	0.04	0	0.04	0	0
1479	'CSTF3'	19.81	16.52	24.34	18.27	19.35	24.49

147906	'DACT3'	0.05	0	0.08	0	0.04	0.18
147912	'SIX5'	0.88	0.95	1.54	0.46	1.52	1.74
147920	'IGFL2'	0	0.26	0	0	0	0
147923	'ZNF420'	4.22	4.43	2.16	4.52	5.35	5.8
147929	'ZNF565'	1.15	1.29	1.51	1.14	2.68	1.35
147948	'ZNF582'	0.76	1.57	0.85	1.29	0.98	1.14
147949	'ZNF583'	3.1	3.01	1.89	1.87	3.91	4.16
147965	'FAM98C'	20.58	23.51	18.52	18.42	30.29	26.36
147968	'CAPN12'	5.19	14.18	8.05	5.04	15.03	4.11
147991	'DPY19L3'	8.62	6.98	5.3	5.13	7.02	6.37
148	'ADRA1A'	0	0.05	0	0	0	0
148014	'TTC9B'	0.41	1.85	0.2	1.05	0	0.71
148022	'TICAM1'	42.09	23.96	36.93	18.15	28.51	52.92
148103	'ZNF599'	0.33	0.44	0.56	0.47	0.97	0.73
148109	'FAM187B'	0	0	0	0.18	0	0
148113	'CILP2'	0.24	0.16	0.2	0.17	0.07	0.39
148137	'PROSER3'	13.04	6.17	6.76	5.06	6.03	9.87
148156	'ZNF558'	8.85	8.97	7.65	7.63	17.77	10.54
148198	'ZNF98'	0.06	0.07	0.06	0	0	0
1482	'NKX2-5'	0	0.07	0	0.09	0.06	0
148203	'ZNF738'	4.53	5.47	4.35	3.58	7.77	6.79
148206	'ZNF714'	2.8	1.67	1.82	2.57	1.71	1.18
148213	'ZNF681'	0.65	0.4	0.31	0.33	1.29	0.55
148223	'C19orf25	20.95	19.93	20.78	17.62	29.89	26.9
148229	'ATP8B3'	2.08	1.61	1.85	0.69	4.15	1.53
148252	'DIRAS1'	0.08	0	0.08	0	0	0.13
148254	'ZNF555'	0.37	0.19	0.2	0.44	0.67	0.49
148266	'ZNF569'	3.95	4.56	2.62	3.15	4.18	5.98
148268	'ZNF570'	5.65	3.42	2.13	2.14	5.3	3.97
148281	'SYT6'	0	0.02	0.07	0.04	0.02	0.05
148304	'C1orf74'	4.19	4.15	3.93	3.58	10.6	5.59
148327	'CREB3L4'	5.71	5.85	9.07	3.38	9.94	5.72
148345	'C1orf127	0.05	0	0.08	0	0	0.13
148362	'BROX'	26.7	25.81	18.45	23.09	32.98	30.81
148398	'SAMD11'	0.28	0.21	0.13	0.16	0.18	0.15
148418	'SAMD13'	0	0	0.24	0	0.17	0.1
148423	'C1orf52'	14.03	13.61	12.34	14.22	10.09	15.73
148479	'PHF13'	6.77	5.21	7.26	4.39	13.87	4.66
1485	'CTAG1B'	0	0	0	0.17	0.19	0
148523	'CIART'	0.55	0.73	0.71	0.68	6.13	1.44
148534	'TLCD4'	0.04	0.03	0.01	0.01	0.04	0.02
148545	'NBPF4'	0.2	0.06	0.36	0.17	0.42	0.05
1486	'CTBS'	7.75	6.99	7.46	7.3	9.44	9.21
148641	'SLC35F3'	1.1	0.52	2.05	0.32	2.54	0.24
1487	'CTBP1'	121.79	101.04	157.35	95.28	144.15	157.95
148738	'HJV'	0	0	0	0.05	0	0
148741	'ANKRD35'	1.04	2.05	0.87	0.7	0.39	1.31
148753	'FAM163A'	0.05	0	0	0	0.04	0
148789	'B3GALNT2	9.58	6.51	6.74	5.84	7.8	8.8
1488	'CTBP2'	8.01	7.41	10.32	4.54	3.46	6.2
148808	'MFSD4A'	0.37	0.38	0.36	0.31	0.78	0.47
148811	'PM20D1'	0.62	0.56	0.51	1.09	0.63	1.41
148823	'GCSAML'	0.3	0.2	3	0.14	0.05	0.18
148867	'SLC30A7'	10.66	8.92	6.61	6.75	11.1	9.09

148870	'CCDC27'	0	0	0	0	0.03	0
1489	'CTF1'	0.17	0.19	0.25	0.24	0.27	0.45
148930	'KNCN'	0	0	0	0.16	0	0.05
148932	'MOB3C'	36.19	27.86	19.42	23.46	33.67	23.51
148979	'GLIS1'	0	0	0	0.07	1.01	0
1490	'CCN2'	0	0	0.04	0	0	0
149013	'NBPF12'	21.66	16.62	7.45	14.58	15.52	18.47
149041	'RC3H1'	10.1	8.36	5.44	6.67	7.36	8.53
149069	'DCDC2B'	0.32	0	0	0	0.1	0.12
149076	'ZNF362'	12.4	11.32	8.57	8.64	9.63	10.17
149095	'DCST1'	0.06	0.05	0	0	0.05	0.11
1491	'CTH'	18.57	3.97	12.86	4.11	9.37	6.55
149111	'CNIH3'	0.21	0.16	0.15	0.18	0.38	0.12
149175	'MANEAL'	2.78	2.17	3.52	1.78	2.72	4.05
149233	'IL23R'	0.44	0.16	0.12	1.5	0.04	0.44
149297	'FAM78B'	0.03	0	0.03	0.05	0.04	0.07
1493	'CTLA4'	35.98	25.12	40.84	42.53	31.96	79.46
149345	'SHISA4'	1.71	1.37	1.2	2.05	1.18	1.59
149371	'EXOC8'	19.12	13.19	8.87	17.41	13.34	14.96
149420	'PDIK1L'	8.06	6.69	5.83	6.38	3.88	6.01
149428	'BNIPL'	0.26	0.21	0.26	0.3	0.74	0.21
149461	'CLDN19'	0.04	0.11	0	0.03	0	0
149465	'CFAP57'	0.03	0	0	0	0.03	0.12
149473	'CCDC24'	2.95	2.74	4.5	1.84	6.25	5.61
149478	'BTBD19'	1.05	1.43	1.56	0.59	0.82	2.76
149483	'CCDC17'	1.85	1.41	0.65	0.96	0.94	1.45
1495	'CTNNA1'	40.3	33.2	32.81	29.15	39.14	55.26
149563	'SRARP'	0	0	0	0	0.03	0
149603	'RNF187'	115.5	93.77	107.48	62.2	134.33	88.25
149628	'PYHIN1'	53.15	43.32	33.64	59.53	71.77	51.87
149643	'SPATA45'	0	0	0	0	0	0.42
149647	'FAM71A'	0.46	0.83	0.21	0.69	0.05	0.1
149699	'GTSF1L'	0	0	0.15	0	0	0
1497	'CTNS'	17.59	10.4	14.74	12.44	16.39	18.23
149708	'WFDC5'	0	0.24	0	0	0.25	0
149840	'SHLD1'	22.01	23.72	21.44	30.74	12.08	24
1499	'CTNNB1'	81.01	56	48.05	54.31	68.83	61.93
149951	'COMMD7'	132.56	134.63	111.82	107.17	93.28	126.07
149986	'LSM14B'	23.96	15.59	19.25	21.38	31.07	20.61
15	'AANAT'	0.45	0.34	0.2	0.08	0.16	0.66
150	'ADRA2A'	0	0	0.05	0.05	0	0
1500	'CTNND1'	5.47	3.01	1.58	4.25	2.32	1.95
150051	'LOC1500	0.41	0.47	2.14	0.14	0.48	0.54
150082	'LCA5L'	0.29	0.22	0	0.24	0.22	0.06
150084	'IGSF5'	0	0	0.03	0	0	0
150094	'SIK1'	1.73	0.4	1.7	2.1	0.07	6.21
150159	'SLC9B1'	0	0.28	0.06	0.11	0.44	0.34
150160	'CCT8L2'	0	0.05	0	0	0.1	0.06
150165	'XKR3'	0	0	0.06	0	0	0
150209	'AIFM3'	0.87	0.22	0.56	0.16	0.18	0.15
150221	'RIMBP3C'	0	0	0	0	0.14	0
150223	'YDJC'	35.82	41.77	43.53	37.96	37.64	43.33
150248	'C22orf15	0.18	0.56	0.88	0.44	0.06	0.76
150274	'HSCB'	11.28	15.23	17.61	11.91	19.93	14.13

150275	'CCDC117'	13.37	10.12	10.95	9.02	21.17	12.55
150280	'HORMAD2'	0.12	0.16	0.17	0	0	0
150290	'DUSP18'	5.04	1.54	2.41	3.94	3.99	5.05
1503	'CTPS1'	47.97	26.82	50.16	29.92	7.79	27.96
150350	'ENTHD1'	0	0.06	0.12	0	0.13	0.15
150353	'DNAJB7'	0.6	0.24	0.35	0.39	0.31	0.39
150356	'CHADL'	0.1	0.08	0	0.04	0.04	0
150365	'MEI1'	9.56	12.8	12.34	8.89	14.07	16.12
150368	'PHETA2'	1.53	1.85	2.58	2.11	2.35	2.69
150372	'NFAM1'	0.02	0.03	0.12	0.09	0.04	0.06
150383	'CDPF1'	9.59	9.1	13.54	8.14	13.4	10.78
150465	'TTL'	11.24	6.26	8.95	6.9	6.88	9.56
150468	'CKAP2L'	23.88	8.75	17.71	7.77	11.82	11.22
150472	'CBWD2'	23.95	16.3	21.66	18.13	10.82	26.66
150483	'TEKT4'	0.12	0.14	0.75	0.13	1.01	0.11
150590	'C2orf15'	0.83	0.53	0.66	0.42	1.07	0.55
1506	'CTRL'	13.43	16.08	7.56	14.45	6.4	11.87
150678	'COPS9'	136.93	222	212.12	235.67	84.06	191.37
150684	'COMMD1'	37.26	37.78	55.49	40.18	33.9	56.51
150696	'PROM2'	0.06	0.07	0.02	0.07	0.12	0.25
150709	'ANKAR'	1.67	1.42	0.62	1.32	0.89	1.14
150726	'FBXO41'	16.69	13.09	10.87	8.12	9.58	10.88
150737	'TTC30B'	0.73	0.59	0.86	1.27	1.13	1.62
150763	'GPAT2'	6.24	2.43	5.01	1.56	7.99	2.18
150771	'ITPRIPL1	27.73	18.63	20.17	14.7	21.47	23.17
150786	'RAB6D'	0.31	0.21	0.15	0.19	0.58	0.54
1508	'CTSB'	50.47	47.3	48.63	46.91	67.85	85.75
150864	'FAM117B'	2.14	2.34	1.17	1.55	2.82	1.25
1509	'CTSD'	1074.4	788.95	666.45	662.08	728.05	744.7
150921	'TCF23'	0.08	0.1	0.06	0.11	0.04	0.09
150946	'GAREM2'	2.73	2.36	1.25	1.06	2.28	1.66
150962	'PUS10'	3.39	1.77	2	1.75	2.34	2.48
151	'ADRA2B'	0.17	0.34	0.05	0.26	0.08	0.21
1510	'CTSE'	0	0.05	0.15	0	0	0
151011	'SEPTIN10	0.18	0.16	0.2	0.09	0.24	0.92
151050	'KANSL1L'	1.95	0.79	0.97	0.98	2.69	1.64
151056	'PLB1'	0.24	0.29	0.36	0.1	0.53	0.19
1511	'CTSG'	0.72	0.14	2.55	0.38	0	0.16
151176	'ERFE'	0.18	0	0.1	0	0	0
151188	'ARL6IP6'	42.86	28.78	32.76	29.18	30.18	29.27
151194	'METTL21A	21.54	16.96	24.63	15.71	22.61	22.22
151195	'CCNYL1'	5.86	4.27	3.15	4.05	3.26	5.13
1512	'CTSH'	58.85	71.23	170.74	51.38	53.25	419.18
151230	'KLHL23'	1.58	0	2.04	0.43	2.45	0.73
151246	'SGO2'	13.83	6.22	14.78	5.2	10.39	9.82
151254	'C2CD6'	0.03	0.02	0	0	0.08	0
151295	'SLC23A3'	0.07	0.1	0.21	0.08	0.38	0.1
1513	'CTSK'	11.96	20.28	6.34	9.24	10.21	14.11
151306	'GPBAR1'	2.44	2.55	1.95	2.07	0.83	2.39
151313	'FAHD2B'	16.49	15.57	25.23	15.33	19.42	17.91
151354	'LRATD1'	0	0	0.01	0	0	0
151393	'RMDN2'	2.96	2.65	2.07	1.78	0.68	2.74
1514	'CTSL'	6.76	4.22	1.6	6.01	0.42	31.03
151449	'GDF7'	0.39	0.37	0.25	0.27	0.38	0.23

151473	'SLC16A14	0.12	0.07	0.2	0.06	0.39	0.18
1515	'CTSV'	0	0.04	0.04	0.02	0.45	0.05
151516	'ASPRV1'	0.55	0.51	0.64	0.86	1.01	1.35
151525	'WDSUB1'	16.44	15.55	16.65	17.73	10.92	14.93
151531	'UPP2'	0.05	0	0	0	0	0
151556	'GPR155'	3.95	4.06	2.49	3.62	11.96	7.75
151613	'TTC14'	23.89	17.74	13.68	15.33	23.47	19.62
151636	'DTX3L'	16.54	8.11	12.61	17.46	13.79	32.74
151648	'SGO1'	22.91	15.78	24.32	13.31	14.38	21.53
151649	'PP2D1'	0.44	0.34	0.38	0.13	0.45	1.06
151651	'EFHB'	0.19	0.15	0	0.05	0.05	0.23
151742	'PPM1L'	3.14	1.57	1.35	1.12	1.65	1.98
151790	'WDR49'	0	0	0	0.03	0	0
151827	'LRRC34'	1.06	2.12	1.48	1.54	2.39	1.48
151835	'CPNE9'	0.23	0.14	0.11	0.16	0.06	0.2
151871	'DPPA2'	0.24	0.09	0	0.17	0	0
151887	'CCDC80'	0.31	0.29	0.12	0.2	0.21	0.31
151888	'BTLA'	1.34	1.97	4.7	2.33	2.13	3.51
1519	'CTSO'	11.44	10.57	4.58	12.67	10.03	10.79
151903	'CCDC12'	83.33	95.45	120.59	94.3	54.91	98.67
151963	'MB21D2'	30.39	22.57	29.09	14.75	41.21	42.82
151987	'PPP4R2'	35.09	24.55	22.17	22.81	29.9	28.73
152	'ADRA2C'	0	0	0	0	0.1	0
1520	'CTSS'	58.51	42.42	35.15	42.78	40.6	59.65
152002	'XXYLT1'	9.88	6.95	7.55	5.07	5.68	7.49
152006	'RNF38'	38.22	27.57	19.6	27.27	21.41	29.36
152007	'GLIPR2'	29.37	39.35	83.83	35.75	63.57	44.91
152098	'ZCWPW2'	0	0.2	0.14	0	0.21	0.21
1521	'CTSW'	3394.6	3345.2	2241.6	2312.96	2306.01	967.37
152100	'CMC1'	49.89	78.95	17.8	54.49	48.08	27.32
152110	'NEK10'	0.17	0.23	0.06	0.15	0.13	0.32
152137	'CCDC50'	26.28	17.11	16.52	10.06	14.07	16.02
152185	'SPICE1'	4.31	3.31	3.65	3.64	5.28	3.74
152189	'CMTM8'	0	0.12	1.74	2.22	1.72	3.29
1522	'CTSZ'	111.02	94.23	136.68	73.47	79.36	97.78
152206	'CCDC13'	0.27	0.14	0.43	0.25	0.17	0.24
152217	'NCBP2AS2	34.7	42.34	37.51	47.37	33.25	40.28
152273	'FGD5'	0	0	0.03	0.02	0.15	0
1523	'CUX1'	12.53	6.68	8.62	5.66	7.14	7.56
1524	'CX3CR1'	19.65	10.08	31.67	8.83	29.13	24.46
152404	'IGSF11'	0.12	0.06	0.03	0	0.09	0
152485	'ZNF827'	3.45	3.96	2.42	1.83	4.13	2.74
1525	'CXADR'	1.94	1.29	1.58	1.48	1.95	2.41
152503	'SH3D19'	0.15	0.09	0.02	0.09	0	0.03
152518	'NFXL1'	6.05	4.67	3.47	4.66	6.94	5.55
152519	'NIPAL1'	0.05	0.04	0.02	0.02	0.09	0
152559	'PAQR3'	14.25	9.04	9.03	8.91	8.13	13.7
152573	'SHISA3'	0.11	0.04	0.26	0.12	0	0.05
152579	'SCFD2'	8.17	3.41	8.05	4.29	2.1	7.53
152687	'ZNF595'	5.42	9.14	4.1	2.34	4.91	2.4
1527	'TEX28'	0.09	0	0.14	0.06	0.72	0.61
152789	'JAKMIP1'	9.71	11.04	38.83	6.52	15.69	39.44
1528	'CYB5A'	6.72	6.08	7.43	7.84	9.91	10.89
152815	'THAP6'	6.11	5.06	4.65	4.45	10.09	7.8

152816	'ODAPH'	7.13	3.99	1.52	4.08	12.44	5.84
152831	'KLB'	0.2	0.05	0.06	0.07	0.07	0.09
152877	'FAM53A'	0.18	0.38	0.67	0.24	0.63	0.81
152926	'PPM1K'	11.87	8.64	7.9	13.89	11.85	23.82
152940	'C4orf45'	0	0.09	0	0	0	0
152992	'TRMT44'	8.33	5.08	4.33	5.56	4.79	6.64
153	'ADRB1'	0	0.16	0.25	0.36	1.03	0.37
153020	'RASGEF1B	8.67	6.11	8.44	13.57	2.95	16.58
153090	'DAB2IP'	1.09	0.56	0.3	0.74	0.18	0.58
153129	'SLC38A9'	10.92	9.07	10.68	7.2	7.35	14.43
153222	'CREBRF'	34.27	29.47	8.94	32.91	21.41	27.78
153241	'CEP120'	25.94	20.27	17.22	20.47	29.67	23.68
153339	'TMEM167A	27.96	20.23	21.1	17.69	22.67	27.78
153364	'MBLAC2'	3.54	2.49	2.34	2.39	4.72	2.44
153396	'TMEM161B	26.59	20.88	17.05	23.95	20.3	21.45
1534	'CYB561'	13.95	18.09	13.59	20.86	15.03	39.23
153443	'SRFBP1'	6.25	3.83	3.51	3.85	2.78	4.59
153478	'PLEKHG4B	0	0.01	0	0	0.01	0.03
1535	'CYBA'	2190.1	2896.1	2305.3	2843.5	2090.26	3162.94
153527	'ZMAT2'	71.4	72.58	86.16	66.94	89.3	104.96
153562	'MARVELD2	0.2	0.09	0.1	0.14	0.13	0.46
153579	'BTNL9'	0.08	0	0	0	0	0.08
1536	'CYBB'	0.64	0.18	1.25	2.18	0.07	2.44
153642	'ARSK'	5.28	3.08	2.8	3.08	4.09	4.86
153643	'FAM81B'	0	0	0	0.16	0	0
153657	'TTC23L'	0.11	0	0	0.07	0	0.05
1537	'CYC1'	165.32	159.28	201.14	123.31	115.14	158.06
153733	'CCDC112'	2.04	2.75	3.58	3.02	3.5	4.86
153743	'PPP1R2B'	0.18	0.05	0	0	0.05	0.05
153768	'PRELID2'	0.92	1	0.69	0.43	1.28	0.51
153769	'SH3RF2'	0.39	0.18	0.29	0.42	0	0.25
153770	'PLAC8L1'	0.44	0.37	0.34	0.38	0.35	0.9
153830	'RNF145'	88.35	44.69	59.66	56.44	35.41	75.77
153918	'ZC2HC1B'	0	0	0	0	0	0.15
154	'ADRB2'	17.13	25.1	11.61	33.64	24.61	22.68
1540	'CYLD'	102.65	50.87	44.06	53.4	46.14	101.5
154007	'SNRNP48'	12.33	9.05	8.12	9.29	6.68	8.76
154043	'CNKSR3'	0.06	0.04	0.12	0.07	0.03	0.05
154075	'SAMD3'	71.65	82.96	72.18	85.99	97.31	105.91
154091	'SLC2A12'	0.07	0.07	0	0	0	0
154141	'MBOAT1'	9.04	6.6	12.03	11.68	11.67	12.96
154197	'PNLDC1'	0	0	0	0.37	0.14	0.16
154214	'RNF217'	0.6	0.06	0.18	0.19	0.05	0.12
154288	'KHDC3L'	0	0.11	0.11	0	0	0
1543	'CYP1A1'	4.47	5.18	3.11	3.02	11.59	6.7
154313	'CFAP206'	0.12	0.09	0	0.08	0.05	0.21
1544	'CYP1A2'	0.04	0	0	0	0	0
154467	'CCDC167'	131.11	156.38	190.15	107.07	88.48	101.19
1545	'CYP1B1'	7.3	6.06	1.78	0.91	1.77	2.28
154661	'RUNDC3B'	0.32	0.19	0.17	0.15	0.83	0.22
154664	'ABCA13'	0.01	0.02	0.01	0.01	0.01	0
154743	'BMT2'	5.94	5.89	5.82	6.65	21.94	8.62
154791	'FMC1'	2.97	3.07	3.85	2.01	6.24	4.95
154796	'AMOT'	0.08	0.15	0.37	0.12	0.98	0.31

1548	'CYP2A6'	0	0	0	0.06	0	0
154807	'VKORC1L1	5.7	3.3	8.9	4.44	6.93	6.83
154810	'AMOTL1'	3.96	1.48	1.3	0.42	0.62	0.23
154865	'IQUB'	0.09	0	0.04	0.04	0	0.09
154881	'KCTD7'	10.7	4.53	5.33	6.66	15.85	6.88
1549	'CYP2A7'	0.13	0	0	0	0	0.11
155006	'TMEM213'	0.06	0	0.02	0.11	0.05	0.05
155038	'GIMAP8'	2.99	4.25	3.86	3.55	18.83	7.86
155051	'CRYGN'	0.07	0	0	0	0	0.19
155054	'ZNF425'	0.48	0.52	0.24	0.45	1.03	1.09
155061	'ZNF746'	20.59	19.76	15.58	16.34	22.22	22.29
155066	'ATP6V0E2	102.53	98.57	108.35	65.48	93.07	107.07
1551	'CYP3A7'	0	0	0	0	0.05	0
155184	'SLC2A7'	0	0	0.07	0	0.42	0
155185	'AMZ1'	0.02	0.08	0.03	0	0.08	0.17
155368	'METTL27'	0.79	0.54	1.46	0.13	0.69	2.08
155382	'VPS37D'	0.61	1.31	0.65	0.97	2.84	1.52
155435	'RBM33'	30	19.51	10.85	17.15	21.26	17.41
1555	'CYP2B6'	0	0.03	0	0.03	0.59	0
1558	'CYP2C8'	0.07	0	0	0.05	0.06	0.34
1559	'CYP2C9'	0	0.08	0.04	0.04	0	0.13
156	'GRK2'	322.23	251.25	305.87	237.84	225.35	305.89
1562	'CYP2C18'	0	0.05	0	0	0.09	0
1564	'CYP2D7'	2.3	2.34	1.27	1.13	1.14	1.51
1565	'CYP2D6'	1.99	1.06	0.47	0.44	0.54	1.19
157	'GRK3'	5.79	3.06	5.64	1.41	6.73	3.19
1571	'CYP2E1'	0.5	0.44	0.25	1.4	0.2	2.56
1572	'CYP2F1'	0.32	0.28	0.11	0.06	0.36	0.14
157285	'PRAG1'	1.64	1.56	1.44	0.99	8.78	2.11
1573	'CYP2J2'	0.29	0	0.43	0.41	0.34	1.02
157313	'CDCA2'	15.58	8.65	17.49	6.92	8.12	6.3
157378	'TMEM65'	10.17	8.13	11.89	9.34	14.6	15.34
157506	'RDH10'	20.35	18.3	33.1	11.89	39.14	23.73
157567	'ANKRD46'	3.3	2.71	2.32	3.25	6.03	4.5
157570	'ESCO2'	9.95	3.1	7.65	2.18	6.9	4.83
1576	'CYP3A4'	0.05	0	0.07	0.03	0.07	0
157638	'LRATD2'	7.6	8.31	7.23	7.46	10.36	9.03
157657	'C8orf37'	2.06	1.59	1.45	0.8	1.17	1.25
157680	'VPS13B'	15.33	6.11	5.57	5.96	6.41	9.27
157695	'TDRP'	0.11	0	0.06	0.03	0.06	0.14
157697	'ERICH1'	24.99	20.26	24.67	20.56	24.87	24.29
1577	'CYP3A5'	0.73	0.11	0.54	0.37	1.22	0.52
157753	'TMEM74'	0	0.03	0.04	0.04	0	0.03
157769	'FAM91A1'	45.09	28.5	19.08	22.84	22.24	24.57
157773	'C8orf48'	0.1	0	0	0	0	0.09
157777	'MCMDC2'	0.63	0.42	0.59	0.62	0.73	0.44
157807	'CLVS1'	0	0	0	0.05	0	0.03
157848	'NKX6-3'	0	0	0.06	0	0	0
157869	'SBSPON'	0.63	0.57	0.55	0.53	0.75	0.65
1579	'CYP4A11'	0	0	0	0.04	0	0.1
157922	'CAMSAP1'	13.88	8.93	7.21	7.66	10.44	8.01
158	'ADSL'	69.35	63.24	108.42	61.91	55.65	84.64
158038	'LINGO2'	0.03	0.01	0.01	0.01	0.01	0.01
158055	'C9orf163	0.08	0.16	0.06	0.06	0.07	0.12

158056	'MAMDC4'	2.78	2.45	2.46	1.38	4.25	2.63
158067	'AK8'	0.41	0.31	0.23	0	0	0.23
1581	'CYP7A1'	0	0	0	0	0	0.04
158135	'TTLL11'	2.89	2.67	1.75	3.07	1.82	2.95
158158	'RASEF'	0	0	0.02	0	0	0
1582	'CYP8B1'	0	0.03	0.03	0	0.03	0
158219	'TTC39B'	3.51	4.58	6.14	8.07	6.42	7.07
158234	'TRMT10B'	11.85	7.48	7.87	8.59	8.92	12.24
158248	'TTC16'	5.26	6	5.96	4.4	6	9.46
158293	'FAM120AC	17.61	11.59	11.27	11.73	16.9	19.75
158297	'SAXO1'	0.09	0	0.07	0.1	0.22	0
1583	'CYP11A1'	0	0	0.28	0	0	0
158326	'FREM1'	0	0	0.06	0	0	0.02
158358	'KIAA2026	33.29	16.46	12.43	15.38	20.82	20.33
158399	'ZNF483'	0.86	0.3	0.37	0.39	1.22	0.86
1584	'CYP11B1'	0.19	0.06	0	0	0.12	0.03
158401	'SHOC1'	0	0.02	0	0	0.04	0.04
158405	'KIAA1958	2.91	1.97	1.54	0.94	4.76	1.55
158427	'TSTD2'	11.27	7.2	5.67	6.09	6.25	11.21
158431	'ZNF782'	2.63	1.93	1.13	1.73	4.61	2.04
158471	'PRUNE2'	0.16	0.3	0.23	0.19	0.36	0.03
158506	'CBLL2'	0	0.07	0	0	0	0
158584	'FAAH2'	0.84	0.11	0.51	0.97	0.38	1.19
158586	'ZXDB'	8.11	4.86	2.38	6.09	5.03	4.83
158747	'MOSPD2'	7.26	4.9	4.19	4.7	10.77	7.53
158787	'RIBC1'	1.42	1.07	1.1	0.63	2.57	1.44
1588	'CYP19A1'	0.03	0	0.06	0.02	0.02	0
158800	'RHOXF1'	0	0.18	0.18	0.34	0.75	0.21
158830	'CXorf65'	24.9	40.66	20.01	34.28	20.61	42.59
158833	'AWAT1'	0	0.04	0	0	0	0
158866	'ZDHHC15'	0.07	0.06	0	0.06	0.02	0.02
158880	'USP51'	0.26	0.04	0.19	0.14	0.42	0.45
1589	'CYP21A2'	0.48	0.38	0.13	0.14	0.05	0.41
159	'ADSS2'	43.6	30.27	42.51	34.66	30.44	50.83
159013	'CXorf38'	27.15	20.21	11.97	12.48	12.1	19.54
159090	'FAM122B'	31.72	30.54	33.5	24.26	36.32	28.75
159091	'FAM122C'	8.74	7.61	10.29	7.07	7.04	13.88
1591	'CYP24A1'	0	0	0	0	0	0.04
159195	'USP54'	2.71	1.46	1.5	2.01	1.6	1.43
1592	'CYP26A1'	0	0	0.09	0.18	1.88	0.06
159296	'NKX2-3'	0	0	0.05	0	0.05	0
1593	'CYP27A1'	0.07	0.05	0.05	0.35	0	0.17
159371	'SLC35G1'	1.53	1.16	1.06	1.11	1.26	1.25
1594	'CYP27B1'	1.39	0.84	0.87	0.82	0.52	1.17
1595	'CYP51A1'	56.16	34.91	46.13	24.38	23.73	42.82
159686	'CFAP58'	0.08	0.3	0.29	0.11	0.12	0.1
16	'AARS1'	51.57	18.39	80.12	20.66	67.31	54.94
160	'AP2A1'	61.79	43.47	53.68	29.96	65.54	51.68
1600	'DAB1'	0.08	0.27	0.19	0.4	0.12	0.78
1601	'DAB2'	0.42	0.09	0.15	0.49	0.05	0.22
160140	'C11orf65	0.67	0.34	0.55	0.08	0.3	0.41
1602	'DACH1'	0.21	0.12	0.29	0.02	0.02	0
160287	'LDHAL6A'	0.31	0.23	0.08	0.21	0.22	0.07
160298	'C11orf42	0.11	0.2	0.12	0.09	0.5	0.21

1603	'DAD1'	509.51	514.77	588.2	488.13	421.1	511.76
160335	'TMTC2'	0.73	1.17	1.27	0.61	2.78	2.55
160364	'CLEC12A'	4.12	9.36	4.22	1.86	4.67	1.74
160365	'CLECL1'	5.45	7.32	10.95	8.63	1.57	16.78
1604	'CD55'	329.43	240.92	184.73	187.57	197.91	156.3
160418	'TMTC3'	4.29	2.84	2.08	2.9	2.61	2.79
160419	'C12orf5(	15.33	12.36	7.33	8.02	9.49	10.89
160428	'ALDH1L2'	1.09	0.13	0.37	0.18	0.32	0.36
160492	'LMNTD1'	0	0	0.04	0.15	0	0.05
1605	'DAG1'	10.15	6.8	5.43	5.7	6.55	6.62
160518	'DENND5B'	1.39	1.02	3.21	0.4	1.04	4.72
1606	'DGKA'	68.13	83.43	96.05	69.34	91.8	165.53
160622	'TAMALIN'	2.36	2.13	1.98	0.8	1.4	2.34
1607	'DGKB'	0.04	0.03	0	0.05	0	0.03
160760	'PPTC7'	45.05	31.14	21.84	32.3	22.42	34.87
1608	'DGKG'	1.26	0.53	1.05	0.23	0.29	0.4
160851	'DGKH'	1.85	1.41	1.76	1.42	2.64	4.2
160857	'CCDC122'	1.56	1.62	0.94	1.64	2.95	2.65
160897	'GPR180'	5.79	3.38	3.96	3.66	4.32	4.48
1609	'DGKQ'	23.9	23.91	11.73	14.19	12.74	17.02
161	'AP2A2'	17.28	13.81	18.1	10.16	22.98	25.14
1611	'DAP'	71.22	53.42	53.01	37.16	66.14	59.86
161142	'FAM71D'	0	0	0	0.03	0	0
161145	'TMEM229E	5.07	4.06	4.67	4.67	3.39	7.02
161176	'SYNE3'	31.05	12.13	9.67	14.57	18.14	17
1612	'DAPK1'	0.2	0.03	0.55	0.14	0.06	0.15
161247	'FITM1'	3.18	2.65	1.77	4.46	2.84	3.2
161253	'REM2'	4.77	7.53	0.77	4.67	2.75	3.96
161291	'TMEM30B'	1.26	0.43	0.78	0.94	0.5	1.17
1613	'DAPK3'	25.05	22.03	22.19	18.24	27.94	27.35
161357	'MDGA2'	0	0	0	0.01	0	0
161394	'SAMD15'	0.19	0.1	0	0.18	0.15	0.06
161424	'NOP9'	20.15	9.07	16.46	10.05	10.47	18.55
161436	'EML5'	4.31	0.8	0.71	0.93	0.52	1.42
161497	'STRC'	0.22	0.36	0.08	0.16	0.75	0.12
1615	'DARS1'	73.43	51.66	72.46	66.93	86.14	80.65
161502	'CFAP161'	0.21	0.07	0.15	0.06	0.07	0
161514	'TBC1D21'	0	0.03	0.03	0	0.14	0.06
161582	'DNAAF4'	0.23	0.47	0.17	0.32	0.6	0.27
1616	'DAXX'	82.26	87.4	126.83	79.88	118.37	122.52
161725	'OTUD7A'	0.36	0.35	0.31	0.34	3.55	0.71
161742	'SPRED1'	0.15	0.31	0.14	0.13	0.08	0.24
161753	'ODF3L1'	0.14	0.31	0.2	0	0	0.12
161779	'PGBD4'	1.58	0.94	1.48	1.32	2.14	1.79
1618	'DAZL'	0	0	0	0.03	0.03	0.04
161823	'ADAL'	5.42	3.41	5.22	3.71	7.97	5.03
161829	'EXD1'	0.21	0.27	0.19	0.1	0.15	0.13
161835	'FSIP1'	0.34	0.21	0.31	0.69	0.22	0.48
161882	'ZFPM1'	12.09	7.43	7.03	6.29	16.97	13.75
161931	'ADAD2'	0.13	0	0	0.09	0	0.12
162	'AP1B1'	83.31	51.19	67.84	39.03	36.65	64.15
162073	'ITPRIPL2	2.46	1.21	2.03	1.31	2.35	1.53
1621	'DBH'	0.05	0.04	0.11	0.13	0.04	0.29
1622	'DBI'	861.67	936.9	1056.1	874.92	384.85	779.31

162239	'ZFP1'	13.26	11.18	7.05	10.51	14.59	12.05
162282	'ANKFN1'	0	0	0.01	0	0	0.05
162333	'MARCHF1(	0.05	0.03	0	0.17	0.06	0.04
162387	'MFSD6L'	0.06	0.04	0.26	0.08	1.38	0.16
162394	'SLFN5'	24.38	10	29	15.94	40.21	64.8
162417	'NAGS'	0.42	0.84	0.31	0.49	2.76	0.56
162427	'RETREG3'	25.82	19.79	16.33	18.73	28.04	24.95
162461	'TMEM92'	0.05	0.07	0	0	0	0
162466	'PHOSPHO1	1.86	0.74	1.39	0.87	1.89	1.94
162494	'RHBDL3'	0.37	0.21	0.54	0.13	1.34	0.34
162514	'TRPV3'	0.85	0.88	0.29	1.18	0.29	0.38
162515	'SLC16A11	1.73	3.28	1.42	3.12	1.69	0.96
162517	'FBXO39'	0.17	0	0.06	0.12	0.13	1.16
162655	'ZNF519'	0.85	0.59	0.36	0.5	1.33	0.75
162681	'C18orf54	2.72	1.3	2.79	1.05	2.76	1.59
1627	'DBN1'	21.3	19.31	22	16.29	25.73	20.94
1628	'DBP'	4.86	7.19	9.03	7.15	21.87	11.87
1629	'DBT'	3.28	1.96	2.13	1.91	4.37	3.22
162962	'ZNF836'	3.5	3.35	2.52	3.1	5.55	2.76
162963	'ZNF610'	0.06	0	0.09	1.08	0.15	0.33
162966	'ZNF600'	11.2	12.3	6.62	13.36	17.21	13.61
162967	'ZNF320'	2.11	1.84	1.33	1.05	2.44	2.4
162968	'ZNF497'	2.12	1.64	2.2	1.54	2.81	3.85
162972	'ZNF550'	6.72	4.55	2.28	4.32	8.98	4.73
162979	'ZNF296'	24.01	32.35	20.94	16.98	27.71	28.26
162989	'DEDD2'	62.41	71.76	58.85	60.2	94.49	86.88
162993	'ZNF846'	1.7	2.38	2.47	2.2	2.41	3.36
162998	'OR7D2'	0.04	0	0	0.03	0	0.1
163	'AP2B1'	93.91	44.85	76.77	46.39	79.05	100.09
1630	'DCC'	0	0	0	0	0	0.05
163033	'ZNF579'	4.2	4.2	3.83	4.3	6.63	3.89
163049	'ZNF791'	15.86	8.22	8.29	10.95	10.95	21.1
163050	'ZNF564'	7.22	5.95	5.75	9.39	9.22	10.19
163051	'ZNF709'	1.22	0.83	0.28	0.96	1.13	0.69
163059	'ZNF433'	0.9	1.23	0.41	0.35	0.42	0.76
163071	'ZNF114'	0.11	0.12	0.2	0.08	0.05	0
163081	'ZNF567'	8.46	6.86	3.76	5.44	7.23	4.68
163087	'ZNF383'	7.89	7.26	5.2	6.19	7.87	8.04
163115	'ZNF781'	0.04	0.15	0.03	0.06	0.16	0
163126	'EID2'	16.47	15.46	20.63	17.45	18.93	23.68
163131	'ZNF780B'	1.82	1.12	0.91	0.91	4.22	1.87
163154	'PRR22'	7.73	4.89	7.01	5.13	2.64	8.81
163175	'LGI4'	0.07	0.08	0	0.05	0	0.23
163183	'SYNE4'	0.32	0.4	0.55	0.22	1.15	0.46
1632	'ECI1'	27.04	24.63	44.41	18.39	27.82	29.07
163223	'ZNF676'	0	0	0	0	0.03	0
163227	'ZNF100'	4.89	4.11	3.39	2.24	4.09	2.54
163255	'ZNF540'	0.46	0.41	0.3	0.52	1.33	0.56
163259	'DENND2C'	0.3	0.33	0.03	0.09	0.38	0.19
1633	'DCK'	73.04	50.41	75.76	46.65	74	61.02
163351	'GBP6'	0.04	0	0.1	0.08	0.14	0.15
163404	'PLPPR5'	0	0.02	0	0	0	0
163479	'FNDC7'	0.04	0.09	0.06	0.03	0.1	0.18
163486	'DENND1B'	24.89	17.57	13.14	13.21	11.02	15.68

1635	'DCTD'	74.96	57.48	55.44	48.09	42.81	52.44
163590	'TOR1AIP2	7.82	4.65	5.09	5.81	5.98	9.09
1636	'ACE'	0.45	0.23	0.28	0.25	0.36	1.13
163688	'CALML6'	0.12	0.25	0.22	0.04	0.26	0.56
163702	'IFNLR1'	3.28	3.3	2.39	4.2	3.4	3.22
163732	'CITED4'	3.71	5.7	7.1	3.7	12.52	10.23
163747	'LEXM'	4.51	3.94	14.36	2.37	10.01	6.79
163786	'SASS6'	8.47	6.25	6.76	4.26	9.09	6.1
1638	'DCT'	0.03	0.07	0.02	0.07	0.1	0.05
163859	'SDE2'	12.91	8.93	6.74	11.48	6.69	11.44
163882	'CNST'	17.18	14.11	11.01	12.83	13.38	18.13
1639	'DCTN1'	76.65	53.64	71.49	39.5	76.9	82.15
164	'AP1G1'	40.91	28.94	21.02	25.16	24.65	31.49
164045	'HFM1'	0	0	0	0	0	0.04
164091	'PAQR7'	1.63	1.99	2.48	1.11	3.78	0.94
164118	'TTC24'	4.7	6.68	3.42	2.4	2.78	2.58
1642	'DDB1'	92.31	51.79	82.99	44.21	69.15	73.4
164284	'APCDD1L'	0	0	0	0	0.05	0
1643	'DDB2'	93.19	91	146.98	77.05	235.67	135.19
164312	'LRRN4'	0.04	0.03	0	0	0	0
164395	'TTLL9'	0	0.03	0.03	0	0.03	0
1644	'DDC'	0.08	0	0.12	0	0	0
1645	'AKR1C1'	0	0.03	0.03	0	0	0.05
164592	'CCDC116'	0.75	0.58	0.54	0.19	0.35	1.69
1646	'AKR1C2'	0.04	0.05	0	0	0	0.15
164633	'CABP7'	0.33	0.34	0.36	0.34	0.57	1.43
164656	'TMPRSS6'	1.03	1.55	0.17	1.19	8.09	1.81
164668	'APOBEC3H	59.43	78.58	166.71	67.86	320.28	122.12
164684	'WBP2NL'	0	0.13	0.4	0	0.6	0.21
1647	'GADD45A'	35.66	34.83	30.9	36.07	89.22	61.89
164832	'LONRF2'	0.03	0.04	0.25	0.14	0	0.1
1649	'DDIT3'	186.72	214.19	114.63	241.43	137.81	208.06
165	'AEBP1'	0.47	0.16	0.85	0.3	0.49	0.33
1650	'DDOST'	266.68	222.81	246.27	222.37	228.2	217
165055	'CCDC138'	4.04	4.4	4.08	3.11	3.63	4.21
165082	'ADGRF3'	1.02	0.52	0.94	0.53	0.54	0.56
165140	'OXER1'	0	0.18	0.18	0	0	0
165186	'TOGARAM2	8.01	13.96	17.19	7.33	18.04	17.05
1652	'DDT'	183.7	253.27	253.92	188.91	317.72	138.37
165215	'FAM171B'	1.31	0.55	0.35	0.27	0.29	0.38
1653	'DDX1'	35.82	24.07	41.35	21.53	37.28	39.33
165324	'UBXN2A'	17.13	13.11	12.96	10.29	12.72	16.21
1654	'DDX3X'	344.89	238.94	134.05	153.18	106.2	275.97
1655	'DDX5'	434	331.13	285.26	343.06	185.54	441.79
165530	'CLEC4F'	0.21	0	0.17	0	0.05	0.1
165545	'DQX1'	0.05	0.12	0.13	0	0.74	0.12
1656	'DDX6'	42.08	25.24	24.76	21.18	31.36	37.43
165631	'PARP15'	66.53	53.66	30.8	43.78	41.67	55.79
165679	'SPTSSB'	0.76	2.63	1.65	0.57	0	0.16
1657	'DMXL1'	12.08	6.35	4.86	4.93	7.06	7.12
165721	'DNAJB8'	0.07	0	0	0	0	0.03
165829	'GPR156'	0.14	0.04	0.03	0.2	0.06	0.07
1659	'DHX8'	29.84	20.9	20.31	16.35	16.95	25.6
165904	'XIRP1'	1.11	0.88	0.11	0.39	0.1	0.27

165918	'RNF168'	17.26	10.87	11.73	8.89	9.32	11.7
166	'TLE5'	922.41	939.19	1048.7	805.01	812.47	1064.84
1660	'DHX9'	145.95	71.07	92.9	79.04	46.68	89.4
166012	'CHST13'	0	0.05	0.42	0	0	0
1662	'DDX10'	16.39	11.8	15.61	16.75	5.73	14.36
1663	'DDX11'	107.7	65.72	64.85	34.37	46.63	42.4
166336	'PRICKLE2	0.03	0.05	0.02	0.03	0	0.03
166348	'KBTBD12'	0.21	0.18	0.17	0.2	0.22	0.21
166378	'SPATA5'	7.21	2.11	2.91	3.55	1.34	2.05
166379	'BBS12'	1.7	1.32	1.24	1.89	2.91	3.16
1665	'DHX15'	111.33	66.44	76.1	65.59	53.62	64.17
1666	'DECR1'	63.46	77.6	88.1	52.66	58.9	81.96
166614	'DCLK2'	0.65	0.21	0.05	0.05	0	0.28
166647	'ADGRA3'	1.82	1.15	0.53	0.28	0.03	0.03
166752	'FREM3'	0.04	0.01	0	0	0.01	0.06
166785	'MMAA'	2.19	1.68	1.35	2.61	1.82	3.05
166793	'ZBTB49'	12.5	12.27	4.98	12.47	7.57	14.53
166815	'TIGD2'	3.87	2.49	2.79	3.44	5.9	3.62
166824	'RASSF6'	0.06	0	0.21	0	0	0.31
166929	'SGMS2'	0.47	0.39	0.09	0.42	0.23	0.04
166968	'MIER3'	13.77	11.34	9.04	11.77	8.86	13.26
166979	'CDC20B'	0	0	0.07	0	0.04	0.04
167127	'UGT3A2'	0	0	0.16	0	0.14	0.1
167153	'TENT2'	42.86	39.24	30.34	33.5	31.89	48.57
167227	'DCP2'	9.22	7.28	8.07	7.09	9.98	7.4
167359	'NIM1K'	0.11	0.04	0.04	0.16	0.54	0.1
1674	'DES'	0	0	0.04	0	0	0
167410	'LIX1'	0	0.05	0	0	0	0.06
1675	'CFD'	0.76	0.48	1.04	0.36	4.34	0.67
167555	'FAM151B'	0.18	0	0.11	0.29	0.07	0.26
1676	'DFFA'	12.32	8.44	12.16	8.62	11.6	13.1
167681	'PRSS35'	0	0.08	0	0.3	0	0.43
167691	'LCA5'	0	0.02	0.02	0	0.04	0
1677	'DFFB'	5.24	4.63	4.49	3.87	4.94	6.58
1678	'TIMM8A'	5.8	7.32	8.15	4.85	4.63	6.49
167826	'OLIG3'	0	0.14	0	0	0	0
167838	'TXLNB'	0.08	0.11	0.16	0.08	0.31	0.19
168002	'DACT2'	0	0	0	0.05	0.04	0
168374	'ZNF92'	22.84	20.71	12.17	18.79	21.11	19.38
168433	'RNF133'	0	0	0	0	0	0.09
168448	'CDC14C'	0.22	0.18	0.1	0.11	0.14	0.12
168451	'THAP5'	18.3	10.77	12.76	14	16.2	11.48
168455	'CCDC71L'	5.11	5.16	6.79	5.36	7.29	10.79
168507	'PKD1L1'	0.74	0.75	0.79	0.69	1.13	1.19
168537	'GIMAP7'	35.12	53.07	64.63	79.8	192.07	102.94
168544	'ZNF467'	0.28	0.68	0.34	0.84	1.72	1.12
168620	'BHLHA15'	0.27	0	0.39	0.19	1.23	2.31
168667	'BMPER'	0	0.06	0.03	0.02	0.03	0.07
1687	'GSDME'	0.35	0.08	0.15	0.33	1.71	0.31
168850	'ZNF800'	41.2	31.66	16.68	28.08	20.41	29.01
1690	'COCH'	0.72	0.82	1.32	0.11	1.09	0.59
169026	'SLC30A8'	0.02	0.02	0.03	0	0.16	0
169200	'TMEM64'	11.11	10.39	8.51	7.85	7.2	8.6
169270	'ZNF596'	1.3	0.81	0.95	0.69	1.27	1.53

169355	'IDO2'	0	0	0	0	0	0.05
169436	'STKLD1'	0.09	0.07	0.03	0.06	0.07	0.12
169522	'KCNV2'	0.18	0	0.05	0.04	0.1	0
169611	'OLFML2A'	0	0	0	0	0	0.02
169714	'QSOX2'	11.23	7.51	8.73	7.04	6.19	10.11
169792	'GLIS3'	0.27	0.03	0	0.03	0.06	0.05
169834	'ZNF883'	0.5	0.42	0.37	0.23	2.13	0.93
169841	'ZNF169'	1.87	1.76	0.95	1.31	2.69	1.51
169981	'SPIN3'	2.05	1.83	1.24	0.77	2.22	1.07
170067	'SUPT20HL	0.02	0	0.02	0.05	0.02	0.02
170082	'TCEANC'	3.08	3.1	2.05	3.28	2.31	5.2
170261	'ZCCHC12'	0	0.05	0	0.04	0	0
170302	'ARX'	0	0.1	0	0	0	0.04
170370	'FAM170B'	0.2	0.39	0.46	0.07	0.16	0.18
170371	'TMEM273'	99.28	85.59	75.94	66.63	119.98	96.27
170384	'FUT11'	10.52	6.55	6.39	6.3	23.72	5.87
170392	'OIT3'	0	0	0	0	0	0.05
170394	'PWWP2B'	6.92	4.07	6.85	6.6	10.93	6.08
170463	'SSBP4'	98.91	116.34	179.39	79.09	141.93	153.55
170487	'ACTL10'	2.05	1.89	2.06	0.94	1.95	3.9
170506	'DHX36'	27.24	18.91	14.84	18.27	14.92	20.86
170575	'GIMAP1'	7.25	10.76	11.57	13.48	86.32	19.5
170589	'GPHA2'	0.11	0	0	0	0.19	0.06
170591	'S100Z'	0.24	1.19	1.19	0.38	0.7	0.32
170622	'COMMD6'	41.81	66.57	49.28	66.97	66.16	51.66
170679	'PSORS1C1	0	0.13	0	0.12	0	0
170685	'NUDT10'	0.21	0.32	0.16	0	0.39	0.06
170689	'ADAMTS15	0.03	0	0	0	0	0
170691	'ADAMTS17	0.31	0.33	0.35	0.28	0.24	0.32
170850	'KCNG3'	0	0	0.03	0	0	0
170954	'PPP1R18'	167.19	137.33	166.91	122.68	151.07	181.89
170958	'ZNF525'	1.72	1.82	0.72	1.58	3.41	1.21
170959	'ZNF431'	5.69	4.43	3.18	4.05	6.39	5.65
170960	'ZNF721'	13.35	9.38	6.29	9.33	14.75	11.56
170961	'ANKRD24'	0.25	0.36	0.77	0.16	0.56	0.82
171017	'ZNF384'	94.78	63.69	52.98	53.43	56.72	62.81
171023	'ASXL1'	82.14	57.66	35.58	39.54	38.53	55.56
171024	'SYNPO2'	0.03	0.01	0.06	0.1	0.05	0.24
171169	'SPACA4'	0	0	0.25	0.23	0	0.14
171177	'RHOV'	0	0.32	0.13	0.42	0	0.15
171222	'UBE2L5'	0	0	0.04	0.12	0.15	0.15
171389	'NLRP6'	2.4	1.42	1.59	1.74	5.88	7.23
171392	'ZNF675'	13.83	12.4	9.07	10.64	13.06	10.08
171425	'CLYBL'	2.17	2.58	4.38	4.42	3.38	4.25
171484	'FAM9C'	0	0	0	0	0	0.03
171546	'SPTSSA'	24.3	17.83	26.42	17.14	21.61	18.02
171558	'PTCRA'	0	0	0.12	0	0.18	0
171568	'POLR3H'	22.58	13.53	16.54	12.14	8.75	14.96
171586	'ABHD3'	42.87	36.53	45.19	26.6	44.92	56.52
1716	'DGUOK'	82.53	112.81	125.05	102.04	105.41	116.14
1717	'DHCR7'	72.4	51.9	58.01	31.83	34.35	51.78
1718	'DHCR24'	147.64	65.76	104.43	52.61	34.02	76.38
1719	'DHFR'	61.53	32.68	70.48	22.49	64.54	28.2
1723	'DHODH'	3.86	2.51	5.28	2.49	2.53	2.95

1725	'DHPS'	51.3	50.1	75.34	45.34	69.84	54.35
1727	'CYB5R3'	102.31	75.04	81.56	60.7	72.34	89.14
1728	'NQO1'	44.26	32.89	66.54	14.37	26.03	64.37
1729	'DIAPH1'	170.11	101.19	111.13	83.48	87.7	139.13
1730	'DIAPH2'	8.16	4.43	5.21	5.16	3	5.67
1731	'SEPTIN1'	228.49	263.96	344.39	211.25	291.25	366.43
1733	'DIO1'	0	0	0.14	0.06	0.46	0.08
1734	'DIO2'	0.04	0.02	0.02	0.03	0	0.02
1736	'DKC1'	52.38	34.2	59.03	38.06	22.62	36.46
1737	'DLAT'	26.03	16.38	21.55	15.44	11.78	18.73
1738	'DLD'	37.76	26.65	40.36	27.1	24.7	35.71
1739	'DLG1'	26.67	16.27	16.58	14.33	13.99	22.12
1740	'DLG2'	0.3	0.11	0.05	0.09	0.13	0.05
1741	'DLG3'	10.83	10.88	14.45	7.89	11.86	10.69
1742	'DLG4'	1.47	2.16	2.28	1.03	5.3	2.95
1743	'DLST'	70.85	55.69	63	43.63	79.5	61.69
1745	'DLX1'	0	0.05	0	0	0	0
1746	'DLX2'	0.21	0.28	0	0.08	0	0.47
1747	'DLX3'	0	0.04	0	0.04	0	0
1748	'DLX4'	0.24	0.3	0.44	0.39	0.16	0.41
175	'AGA'	26.56	23.15	19.36	25.72	22.73	27.31
1755	'DMBT1'	0.02	0	0	0	0.02	0
1756	'DMD'	7.94	2.18	1.4	1.17	0.69	2.63
1757	'SARDH'	0.44	0.09	0.39	0.22	0.21	0.49
1759	'DNM1'	0.26	0.18	0.1	0.32	0.46	0.26
176	'ACAN'	0	0.01	0.02	0	0.01	0.04
1760	'DMPK'	31.57	25.93	9.95	26.68	15.4	25.4
1761	'DMRT1'	0.09	0.07	0	0	0	0
1762	'DMWD'	25.21	12.23	9.78	11.63	14	21.8
1763	'DNA2'	10.83	4.25	9.37	2.62	4.37	4.33
1767	'DNAH5'	0	0	0	0	0.01	0
1768	'DNAH6'	0.09	0.07	0.08	0.1	0.09	0.1
1769	'DNAH8'	0.02	0	0.02	0.01	0.08	0.12
177	'AGER'	8.47	16.35	10.89	8.67	10.03	10.9
1773	'DNASE1'	8.72	4.81	5.42	3.78	22.37	11.3
1774	'DNASE1L1	12.25	12.66	12.86	7.61	19.01	17.62
1775	'DNASE1L2	0.43	0.75	0.49	0.3	0.43	0.39
1776	'DNASE1L3	0	0	0.12	0	0	0
1777	'DNASE2'	65.9	57.12	56.84	54.07	63.48	67.89
1778	'DYNC1H1'	39.84	14.08	17.22	13.45	24.8	23.98
178	'AGL'	12.41	6.83	5	6.46	7.58	8.06
1781	'DYNC1I2'	24.72	15.8	26.71	18.58	32.98	30.34
1783	'DYNC1LI2	48.37	33.6	17.44	29.7	27.68	30.3
1785	'DNM2'	202.73	133.33	134.4	105.61	160.86	184.71
1786	'DNMT1'	110.93	48.84	83.09	33.46	48.54	55.68
1787	'TRDMT1'	3.84	2.45	2.1	2.82	3.08	2.85
1788	'DNMT3A'	9.38	9.85	10.96	8.51	9.11	11.18
1789	'DNMT3B'	1.68	1.52	1.84	0.5	0.77	0.45
1793	'DOCK1'	0.08	0.02	0.02	0.05	0	0.02
1794	'DOCK2'	120.79	66.26	77.45	51.02	74.35	84.01
1795	'DOCK3'	2.53	1.84	1.35	1.81	3.08	1.49
1796	'DOK1'	25.71	22.37	27	18.28	32.85	29.6
1797	'DXO'	17.53	16.73	16.87	14.6	16.32	20.41
1798	'DPAGT1'	41.15	29.63	58.47	24.17	40.26	47.45

18	'ABAT'	4.13	2.59	1.61	2.73	3.26	4.24
1800	'DPEP1'	0.85	0.52	0.13	0.2	0.04	0.3
1801	'DPH1'	23.89	17.89	14.72	14.72	27.68	17.87
1802	'DPH2'	31.64	21.88	27	22.69	7.37	23.85
1803	'DPP4'	247.21	179.04	198.7	173.22	209.78	247.63
1804	'DPP6'	0.03	0.05	0	0.05	0	0
1806	'DPYD'	17.59	11.86	13.46	11.41	22.06	16.76
1807	'DPYS'	0	0	0.02	0.03	0	0.04
1808	'DPYSL2'	14.51	7.77	12.04	5.95	9.28	5.35
1809	'DPYSL3'	0	0	0	0.02	0	0
181	'AGRP'	0	0.38	0	0	0	0
1810	'DR1'	22.82	16.96	18.12	17.62	18.33	24.38
1813	'DRD2'	0.05	0.12	0	0	0.08	0.09
1814	'DRD3'	0	0.04	0	0	0.04	0
1815	'DRD4'	0	0.16	0	0	0.32	0
1816	'DRD5'	0	0.04	0	0.04	0	0
1819	'DRG2'	47.43	43.8	48.15	33.66	43.53	54.77
182	'JAG1'	0.31	0.52	0.65	0.29	0.13	0.2
1820	'ARID3A'	6.38	3.94	6.02	2.2	19.89	7.27
1821	'DRP2'	0.61	0.27	0.39	0.17	0.53	0.61
1822	'ATN1'	54.59	31.93	30.63	22.75	32.75	44.64
1823	'DSC1'	0.06	0.07	0	0	0.02	0.03
1824	'DSC2'	0.01	0.01	0.02	0.04	0	0.02
1825	'DSC3'	0.09	0.05	0.04	0.07	0.09	0.07
1827	'RCAN1'	15.21	11.84	15.34	9.36	8.14	15.99
1829	'DSG2'	0.21	0	0.1	0.06	0.03	0.17
1830	'DSG3'	0	0.04	0.04	0.11	0.09	0.11
1831	'TSC22D3'	646.31	614.19	396.01	953.37	671.98	740.62
1832	'DSP'	0.02	0	0.02	0	0	0.01
1833	'EPYC'	0	0	0	0.08	0	0
1836	'SLC26A2'	3.68	2.66	2.54	1.98	4.04	2.85
1837	'DTNA'	0	0	0	0.06	0	0
1838	'DTNB'	16.31	13.34	14.15	10.23	15.88	19.11
1839	'HBEGF'	19.97	22.63	103.36	8.99	4.17	56.91
1840	'DTX1'	0.43	0.26	0.54	0.3	0.21	3.21
1841	'DTYMK'	63.97	52.62	93.01	32.79	35.29	39.43
1842	'ECM2'	0.19	0.1	0.03	0	0.03	0.03
1843	'DUSP1'	215.54	224.8	140.31	256.75	39.62	296.52
1844	'DUSP2'	51.06	106.61	47.61	96.2	24.72	76.72
1845	'DUSP3'	2.33	2.47	2.7	3.13	10.39	3.77
1846	'DUSP4'	138.72	70.56	63.3	36.28	25.01	68.74
1847	'DUSP5'	163.61	150.07	168.47	110.97	143.95	219.05
1848	'DUSP6'	40.97	41.55	56.51	28.78	31.84	45.16
1849	'DUSP7'	16.08	11.22	13.78	9.57	21.49	15.65
1850	'DUSP8'	10.75	7.33	4.87	8.36	5.61	17.17
1852	'DUSP9'	0	0	0.04	0	0	0
1854	'DUT'	74.53	59.74	134.41	61.13	74.15	49.19
1855	'DVL1'	20.06	17.19	17.4	13.89	24.33	24.39
1856	'DVL2'	19.1	13.95	17.55	14.32	27.27	23.09
1857	'DVL3'	58.68	35.48	25.63	24.92	33.8	38.42
1859	'DYRK1A'	48.34	36.48	32.04	40.64	27.54	46
1861	'TOR1A'	91.99	61.43	76.56	67.98	49.84	86.25
1869	'E2F1'	84.26	55.18	55.87	44.24	41.09	46.88
1870	'E2F2'	48.92	24.98	52.05	17.04	21.37	39.17

1871	'E2F3'	46.64	31.39	27	29.23	25.24	39.61
1874	'E2F4'	171.63	155.94	157.38	131.2	151.38	147.6
1875	'E2F5'	1.33	0.61	1.47	0.85	1.82	3.2
1876	'E2F6'	16.39	13.38	9.8	11.09	6.07	9.88
1877	'E4F1'	31.3	28.11	19	21.04	20.53	23.62
1879	'EBF1'	0.2	0.02	0.14	0.09	0.05	0.45
1880	'GPR183'	20.05	13.01	28.87	50.86	23.86	74.94
1889	'ECE1'	19.28	12.15	29.15	10.51	23.52	47.15
189	'AGXT'	0	0.1	0	0	0.07	0
1890	'TYMP'	32.81	25.47	66.82	62.63	23.3	199.55
1891	'ECH1'	183.01	223.07	253.1	154.77	301.2	236.51
1892	'ECHS1'	46.62	46.18	55.63	38.16	60.73	50.06
1893	'ECM1'	0.46	0.6	1.38	0.59	1.03	1.68
1894	'ECT2'	29.25	14.59	27.39	11.92	10.29	19.23
1896	'EDA'	0.85	0.34	0.35	0.52	0.44	1.16
19	'ABCA1'	0.65	0.33	0.32	1.27	0.59	8.03
1901	'S1PR1'	72.04	56.37	94.41	34.26	79.13	189.53
1902	'LPAR1'	0.18	0	0	0.05	0	0
1903	'S1PR3'	0.03	0	0	0	0	0
1906	'EDN1'	0.4	0.73	0.28	0.33	0.42	0.84
1907	'EDN2'	0	0.11	0	0	0.23	0.42
1908	'EDN3'	0.16	0.15	0.2	0.19	0.87	0.43
191	'AHCY'	48.79	32.89	66.07	35.25	38.42	39.38
1910	'EDNRB'	0	0.02	0	0.04	0	0.05
1911	'PHC1'	7.31	4.47	6.06	5.66	7.63	10.61
1912	'PHC2'	53.28	44.77	42.71	40.2	42.95	47.9
1915	'EEF1A1'	5239.4	4856	4037	4667.67	5091.01	3697.63
1917	'EEF1A2'	4.52	2.54	5.86	1.8	9.79	6.62
192111	'PGAM5'	28.62	18.06	25.2	16.79	10.96	18.33
192134	'B3GNT6'	0.05	0	0	0	0	0
192286	'HIGD2A'	408.34	501.17	469.7	479.31	437.16	489.64
192668	'CYS1'	0.14	0.15	0.11	0.1	1.31	0.08
192669	'AGO3'	8	3.25	4	3.48	5.09	6.8
192670	'AGO4'	19.09	13.36	7.74	11.82	16.48	17.83
192683	'SCAMP5'	0.25	0.06	0.45	0.29	0.18	3.12
1933	'EEF1B2'	737.76	886.88	914.19	811.99	744.44	551.54
1936	'EEF1D'	827.2	1136.7	920.63	1232.33	1224.22	894.17
1937	'EEF1G'	1843.1	1934.8	1814.9	1669.2	2341	1322.41
1938	'EEF2'	1341.8	1096.3	1073.9	760.65	1754.44	898.62
1939	'EIF2D'	46.73	39.34	46.19	30.77	43.1	33.32
1942	'EFNA1'	0	0.15	0.07	0.13	0.36	0.17
1943	'EFNA2'	0	0.04	0	0.08	0	0
1944	'EFNA3'	1.29	2.64	1.58	1.65	6.79	1.46
1945	'EFNA4'	2.84	3.48	4.75	2.64	16.34	7.61
1946	'EFNA5'	0.38	0.38	0.04	0.25	0.66	0.25
1947	'EFNB1'	3.44	3.99	4.04	2.42	7.9	7.03
1948	'EFNB2'	0.6	0.27	0.29	0.29	0.24	0.31
1949	'EFNB3'	0	0	0.03	0	0	0
1951	'CELSR3'	3.52	2.17	1.6	1.25	2.34	1.52
1952	'CELSR2'	2.63	1.95	1.12	1.12	2.34	1.94
1953	'MEGF6'	0.82	0.45	0.46	1.39	1.29	2.04
1954	'MEGF8'	5.94	3.88	2.85	1.77	4.64	3.53
1955	'MEGF9'	17.4	9.32	8.87	8.72	9.73	11.08
1958	'EGR1'	46.41	63.75	87.06	51.42	9.92	81.13

195814	'SDR16C5'	0	0.03	0	0	0	0.04
195827	'PRXL2C'	28.13	32.97	29.45	39.95	16.48	38.4
195828	'ZNF367'	35.46	21.06	33.99	13.71	18.66	16.75
1959	'EGR2'	12.14	12.56	18.37	11.67	6.54	37.06
196	'AHR'	38.43	23.14	13.12	26.68	22.07	39.1
1960	'EGR3'	1.36	0.38	4.02	1.34	1.43	2.03
196051	'PLPP4'	0	0.03	0	0.04	0.07	0
196074	'METTL15'	6.08	5.1	5.72	2.57	6.73	6.09
1961	'EGR4'	0.12	0.5	0.67	0.38	0	1.26
1962	'EHHADH'	0.23	0.25	0.72	0.21	0.96	1.14
196264	'MPZL3'	15.18	23.12	9.74	26.73	19.68	29.96
196294	'IMMP1L'	9.79	10.51	13.72	7.14	8.77	11.33
196335	'OR56B4'	0	0	0	0	0	0.12
196383	'RILPL2'	33.3	29.71	39.84	31.67	27.58	45.42
196385	'DNAH10'	0.03	0.06	0.01	0.18	0.11	0.08
196394	'AMN1'	1.29	1.45	2.56	1.8	5.88	2.69
1964	'EIF1AX'	43.74	31.31	29.48	18.87	18.4	39.81
196403	'DTX3'	27.59	27.98	14.69	27.64	12.74	26.3
196410	'METTL7B'	0	0	0	0.31	0	0.1
196441	'ZFC3H1'	11.17	7.51	5.27	6.56	12.68	10.07
196446	'MYRFL'	0	0	0.41	0.07	0.2	0.58
196463	'PLBD2'	10.28	6.72	6.54	5.48	8.28	10.26
196483	'EEF2KMT'	5.38	5.25	10.68	3.88	3.84	10.09
1965	'EIF2S1'	32.07	17.13	32.82	19.6	19.72	30.53
196500	'PIANP'	0.3	0.3	0.42	0.45	0.86	1.26
196513	'DCP1B'	13.09	11.46	15.12	9.98	45.72	23.4
196527	'ANO6'	33.76	19.21	17.57	13.88	23.26	22.43
196528	'ARID2'	21	12.34	8.79	8.24	10.04	12.12
196541	'METTL21C	0.12	0.07	0.05	0.08	0.13	0.07
1967	'EIF2B1'	47.58	35.29	59.51	37.67	39.53	59.07
196740	'VSTM4'	14.03	10.15	3.49	1	0.73	0.77
196743	'PAOX'	3.73	5.82	5.62	2.42	10.85	8.58
196792	'FAM24B'	6.31	6.27	5.75	6.49	12.68	5.68
1968	'EIF2S3'	83.3	57.2	62.59	47.12	84.25	84.03
196883	'ADCY4'	1.76	2.33	0.56	1.31	2.46	1.87
1969	'EPHA2'	0	0	0.05	0	0.05	0
196951	'FAM227B'	1.02	1.46	1.72	1.86	6.14	2.51
196996	'GRAMD2A'	0.04	0	0	0	0.03	0
197021	'LCTL'	0.31	0.31	0.32	0.07	0.32	0.16
197131	'UBR1'	11.16	8.12	7.75	6.1	9.03	12.32
197135	'PATL2'	49.25	57.94	47.84	52.28	52.06	59.04
197257	'LDHD'	0.51	0.31	0.15	0.09	0.47	0.47
197258	'FCSK'	10.81	8.97	6.48	5.81	8.23	8.92
197259	'MLKL'	20.38	23.54	26.59	20.41	14.41	41.58
1973	'EIF4A1'	803.2	642.73	1011.4	652.33	333.55	761.56
197320	'ZNF778'	7.06	4.48	2.23	3.88	3.49	3.71
197322	'ACSF3'	34.33	30.63	30.69	16.47	50.05	51.51
197335	'WDR90'	9.48	6.16	6.82	3.96	6.15	3.32
197342	'EME2'	6.07	4.72	2.16	2.09	2.74	5.19
197358	'NLRC3'	79.82	53.59	44.58	41.92	57.76	65.08
197370	'NSMCE1'	59.94	52.75	92.35	60.35	64.67	56.07
1974	'EIF4A2'	191.06	179.03	164.37	207.23	173.96	277.88
197407	'ZNF48'	10.13	10.3	9.09	8.41	11.06	10.34
1975	'EIF4B'	211.08	161.06	144.36	184.63	302.07	180.8

1977	'EIF4E'	5.34	3.63	6.49	3.38	3.59	5.55
1978	'EIF4EBP1	140.41	101.05	216.89	123.41	128.47	93.96
1979	'EIF4EBP2	43.27	24.16	33.71	26.36	37.35	34.85
1981	'EIF4G1'	164.13	69.74	102.12	67.11	64.98	106.75
1982	'EIF4G2'	542.31	334.46	304.57	317.93	232.88	410.01
1983	'EIF5'	80.23	58.65	40.79	64.92	31.16	80.43
1984	'EIF5A'	683.72	541.48	906.02	618.17	345.64	672.7
198437	'LKAAEAR1	0.26	0.2	0	0.36	1.2	0.74
199	'AIF1'	33.08	40.15	21.93	140.11	32.16	22.37
1990	'CELA1'	0.17	0	0.13	0	0	0
1991	'ELANE'	0	0	0.95	0	0	0
1992	'SERPINB1	103.83	75.49	79.46	84.11	69.88	81.75
199221	'DZIP1L'	0	0	0.03	0	0	0
199223	'TTC21A'	0.35	0.34	0.22	0.5	0.85	1.8
1994	'ELAVL1'	21.22	14.13	25.53	12.58	18.98	20.61
1995	'ELAVL3'	0.08	0.02	0	0.02	0	0.04
199675	'MCEMP1'	0	0	0.75	0.16	0	0.3
199692	'ZNF627'	1.76	2.21	1.6	2.05	4.02	3.52
199699	'DAND5'	0	0.12	0.12	0.06	0.13	0.14
1997	'ELF1'	120.3	66.89	71.28	71.79	96.78	127.47
199704	'ZNF585A'	1.13	1.19	0.74	1.12	2.66	1.31
199713	'NLRP7'	1.22	0.43	0.21	0.15	0.66	0.79
199720	'GGN'	0.21	0.04	0.13	0.29	0.27	0.15
199731	'CADM4'	0.2	0.15	0.38	0.36	0.67	0.64
199745	'THAP8'	2.19	3.13	6.58	2.14	23.16	7.55
199746	'U2AF1L4'	29.91	37.89	45.01	55.42	31.41	57.79
199777	'ZNF626'	1.01	1.18	2.7	1.95	1.7	1.21
199786	'NIBAN3'	0.22	0.19	0.14	0.23	0.09	0.34
1998	'ELF2'	21.44	17.69	16.25	14.81	17.71	21.74
199800	'ADM5'	4.96	5.59	4.79	4.29	1.99	6.97
199857	'ALG14'	8.09	6.78	6.41	6.71	2.99	6.03
199870	'FAM76A'	6.88	6.22	4.44	7.08	4.12	6.72
1999	'ELF3'	0.17	0.53	0.28	0.38	0.36	0.18
199953	'TMEM201'	14.52	7.64	10.14	6.15	7.95	7.46
199964	'TMEM61'	0	0	0.15	0	0.15	0
199990	'FAAP20'	123.66	166.64	142.98	118.73	137.46	142.64
2	'A2M'	0	0.08	0.11	0.14	0.02	0.07
20	'ABCA2'	44.53	30.02	22.19	21.31	40.3	31.38
2000	'ELF4'	71.33	33.37	33.38	39.27	54.68	47.01
200008	'CDCP2'	0.2	0	0	0.14	0.05	0
200010	'SLC5A9'	0	0	0.03	0	0	0
200014	'CC2D1B'	44.51	27.09	23.85	26.01	21.75	42.55
200030	'NBPF11'	17.86	12.72	6.24	10.49	10.21	9.98
200035	'NUDT17'	4.64	6.29	3.87	2.93	4.52	3.4
200081	'TXLNA'	36.15	23.1	24.21	18.9	26.74	28.44
200132	'TCTEX1D1	0	0	0.13	0	0	0
200159	'C1orf10(	0.49	0.16	0.49	0.11	0.38	0.14
200162	'SPAG17'	0	0	0	0	0	0.01
200172	'SLFNL1'	0.83	0.39	0.28	0.2	0.4	0.28
200185	'KRTCAP2'	608.95	704.93	691.09	702.69	479.33	708.93
200186	'CRTC2'	129.46	104.35	80.77	73.5	70.98	108.63
2002	'ELK1'	44.26	27.63	34.91	24.17	44.73	40.34
200205	'IBA57'	4.88	2.24	1.69	2.31	1.83	2.73
200232	'FAM209A'	5.59	7.33	1.96	4.52	5.38	4.61

200312 'RNF215'	5.31	5.81	3.81	2.41	5.73	4.36
200315 'APOBEC3A	0	0	0.08	0.43	0	0.1
200316 'APOBEC3F	15.65	8.47	11.34	10.99	16.71	14.93
200350 'FOXD4L1'	0.07	0.2	0.15	0.18	0	0.06
2004 'ELK3'	33.01	19.23	18.92	22.09	27.1	47.22
200407 'CREG2'	0	0.04	0.32	0.14	0.82	1.43
200424 'TET3'	7.94	6.28	5.01	4.32	4.62	5.48
2005 'ELK4'	21.5	13.52	11.97	13.1	11.2	17.2
200539 'ANKRD23'	6.13	4.88	4	4.02	4.75	7.42
200558 'APLF'	1.22	1.2	1.68	1	2.02	2.75
200576 'PIKFYVE'	15.73	9.17	7.2	7.31	9.84	12.1
2006 'ELN'	0	0.03	0	0	0.06	0.04
200634 'KRTCAP3'	0.58	1.61	0.86	1.03	0.45	1.52
200728 'TMEM17'	0.18	0.21	0.34	0.13	0.31	0.29
200734 'SPRED2'	11.21	10.17	9.72	7.39	4.84	12.31
200765 'TIGD1'	1.81	1.27	0.89	1.86	1.54	1.43
200810 'ALG1L'	1.26	0.5	1.7	0.67	1.46	0.38
200844 'CFAP20DC	0.99	0.31	0.66	0.35	2.38	0.34
200845 'KCTD6'	5.41	5.45	8.01	5.56	10.18	8.02
200879 'LIPH'	0	0	0	0.03	0.1	0.04
200894 'ARL13B'	5.33	3.66	4.17	4.77	3.49	4.27
200895 'DHFR2'	2.5	1.26	2.83	1.52	8.42	3.88
2009 'EML1'	0	0.02	0	0.04	0	0
200916 'RPL22L1'	18.86	22.34	34.31	22.57	8.68	32.9
200931 'SLC51A'	0.1	0.08	0.07	0	0	0
200933 'FBXO45'	9.69	7.22	6.91	7.09	6.37	6.67
200942 'KLHDC8B'	0.99	1.4	1.23	0.96	1.89	1.91
200958 'MUC20'	2.28	1.55	1.45	1.68	12.63	5.18
200959 'GABRR3'	0	0	0	0	0.07	0
2010 'EMD'	87.72	77.64	88.11	54.74	105.92	88.61
2011 'MARK2'	43.56	24.84	34.83	24.91	32.87	36.14
201134 'CEP112'	1.04	0.86	0.48	0.95	0.6	1.95
201158 'TVP23C'	4.67	4.95	3.45	3.44	3.81	3.71
201161 'CENPV'	7.04	7.89	10.36	7.4	3.06	3.67
201163 'FLCN'	34.93	11.63	12.9	20.67	24.45	22.72
201164 'PLD6'	4.33	5.22	3.8	9.58	3.34	12.63
201176 'ARHGAP27	62.91	49.76	43.95	33.92	47.93	57.67
201181 'ZNF385C'	0.36	0.03	0	0.03	0.03	0.08
201191 'SAMD14'	0.27	0.54	0.19	0.06	0.39	0.2
2012 'EMP1'	14.95	9.27	5.61	27.31	3.87	13.34
201229 'LYRM9'	4.23	6.55	3.64	4.73	8.62	9.23
201232 'SLC16A13	5.8	4.05	7.84	3.32	8.16	9.77
201254 'CENPX'	77.16	97.89	143.18	84.89	82.97	89.88
201255 'LRRC45'	20.75	18.08	31.21	13.6	21.74	25.8
201266 'SLC39A11	8.43	5.9	7.32	6.72	6.52	9.7
201292 'TRIM65'	17.53	14.95	20.09	11.79	16.62	19.51
201294 'UNC13D'	69.67	61.81	72.47	36.43	65.19	106.23
201299 'RDM1'	0.71	0.36	6.22	0.89	7.45	0.94
2013 'EMP2'	0.05	0.08	0.11	0.1	0.06	0.02
201305 'SPNS3'	16.45	18.2	32.8	13.27	65.09	6.3
2014 'EMP3'	1411.3	1365.6	1297.2	1207.49	1282.49	1727.85
201456 'FBXO15'	0.1	0.54	0.18	0.07	0.71	0.17
201475 'RAB12'	18.39	22.33	12.66	18.89	14.75	19
2015 'ADGRE1'	0.24	0.1	0.56	0.34	0.04	1.18

201501	'ZBTB7C'	0.06	0.02	0.04	0.06	0.02	0.2
201514	'ZNF584'	2.96	3.93	2.58	4.68	2.93	3.67
201516	'ZSCAN4'	0	0	0	0	0.05	0
201562	'HACD2'	29.48	16.38	17.71	15.85	21.04	23.79
201595	'STT3B'	105.22	73.18	82.43	60.34	96.15	97.98
2016	'EMX1'	0.01	0.1	0	0.04	0.1	0.11
201625	'DNAH12'	0.09	0.02	0.01	0.01	0.07	0.01
201626	'PDE12'	13.72	8.2	9.23	10.33	7.54	12.13
201627	'DENND6A'	25.28	20.58	17.13	17.53	12.41	19.67
201633	'TIGIT'	42.9	55.11	24.39	29.53	55.27	23.83
2017	'CTTN'	0.28	0.17	0.1	0.24	0.32	0.21
201725	'C4orf46'	22.84	13.73	18.88	12.17	12.98	13
201780	'SLC10A4'	0.06	0	0.05	0	0.05	0
201798	'TIGD4'	0.24	0.2	0.28	0.37	0.34	0.14
201799	'TMEM154'	5.21	3.55	5.61	3.43	5.77	5.21
2018	'EMX2'	0	0	0	0.03	0	0
201895	'SMIM14'	1.12	1.27	1.88	0.95	4.27	3.14
201931	'TMEM192'	6.88	3.81	3.83	5.01	3.77	5.13
201965	'RWDD4'	21.87	21.01	21.48	17.81	13.29	21.62
201973	'PRIMPOL'	6.95	7.86	11.24	6.31	13.46	14.62
202	'CRYBG1'	33.33	17.9	24.8	17.97	20.4	27.66
2020	'EN2'	0	0	0	0.03	0	0
202018	'TAPT1'	21.06	17.13	16.79	15.58	16.13	20.17
202051	'SPATA24'	8.52	9.16	16.4	6.48	9.55	11.85
202052	'DNAJC18'	4.64	3.61	4.21	1.62	4.16	5.27
2021	'ENDOG'	13.89	16.6	19.65	13.43	22.48	30.32
202134	'FAM153B'	0.14	0	0	0	0.56	0.12
202151	'RANBP3L'	0	0	0	0	0	0.02
2022	'ENG'	21.95	17.24	23.38	22.45	17.97	30.55
202243	'CCDC125'	5.77	6.39	4.42	4.77	6.55	6.09
2023	'ENO1'	3181.5	3183.5	2615.2	2472.96	6911.47	2246.26
202309	'GAPT'	0.05	0	0.72	0	0	0.14
202333	'CMYA5'	0.08	0.04	0.01	0.03	0.05	0.11
202500	'TCTE1'	0.5	0.24	0.41	0.52	0.06	0.89
202559	'KHDRBS2'	0	0	0	0.1	0	0
2026	'ENO2'	40.34	56.63	52.42	34.44	248.35	44.18
202658	'TRIM39-F	0	0.18	0.16	0	0	0
2027	'ENO3'	6.03	8.22	7.01	5.25	9.38	6.8
2028	'ENPEP'	1.94	3.84	4.44	5.82	3.14	0.96
2029	'ENSA'	469.34	427.8	496.16	464.85	263.64	474.76
202915	'TMEM184A	0.15	0.18	0.08	0.06	0.04	0.35
203	'AK1'	32.25	63.8	21.82	42.18	99.74	82.07
2030	'SLC29A1'	27.63	14.98	39.83	11.21	19.12	17.26
203054	'ADCK5'	6.24	10.09	11.5	6.15	13.39	12.65
203062	'TSNARE1'	7.73	6.13	5.22	5.74	9.42	6.44
203068	'TUBB'	1188.3	625.61	1490.4	544.49	495.1	627.31
203069	'R3HCC1'	36.17	41.77	37.02	34.05	49.33	41.33
203100	'HTRA4'	0.27	0	0.05	0.05	0.21	0.12
203102	'ADAM32'	0	0	0.06	0	0	0
203190	'LGI3'	0.04	0	0	0	0	0
203197	'TMEM268'	16	10.27	10.78	9.3	7.21	8.36
203228	'C9orf72'	6.53	4.97	4.13	6.38	7.18	7.61
203238	'CCDC171'	0.28	0.15	0.25	0.2	0.52	0.2
203245	'NAIF1'	8.2	7.68	8.11	5.01	9.78	9.61

203259	'FAM219A'	18.9	13.43	11.27	10.51	11.44	16.81
203260	'CCDC107'	42.33	62.27	59.21	55.29	109.36	101.71
203286	'ANKS6'	1.35	0.62	0.86	1.14	1.12	1.04
2033	'EP300'	76.14	33.53	23.05	25.18	39.65	45.33
203328	'SUSD3'	11.05	14.1	38.79	24.96	32.59	50.7
2034	'EPAS1'	47.95	31.29	24.62	29.15	42.81	45.08
203427	'SLC25A43	10.77	7.66	6.05	6.26	11.98	10.39
203430	'RTL3'	0.44	0.11	0.29	0.14	0.15	0.04
2035	'EPB41'	36.9	20.5	20.07	26.85	42.26	33.54
203522	'INTS6L'	30.27	25.06	16.87	19.64	23.98	25.26
203523	'ZNF449'	4.06	2.54	1.89	3.18	6.88	4.03
203547	'VMA21'	10.2	10.55	14.02	10.99	13.28	12.47
203562	'TMEM31'	0	0.19	0	0.18	0.78	0.22
203569	'PAGE2'	0	0	0.32	0	0	0
2036	'EPB41L1'	0.04	0.02	0.02	0.03	0.03	0.15
2037	'EPB41L2'	14.72	5.73	12.61	4.1	8.19	9.52
2038	'EPB42'	0	0	0.11	0	0	0
203859	'ANO5'	0.02	0.02	0.02	0	0	0
2039	'DMTN'	15.39	14.43	10.78	22.62	10.54	24.93
204	'AK2'	100.92	69.03	112.01	64.42	83.69	83.62
2040	'STOM'	71.12	58.7	61.7	60.06	90.12	97.55
2041	'EPHA1'	2.55	1.21	2.03	3.75	2.75	1.64
2042	'EPHA3'	0.05	0	0	0	0	0
204219	'CERS3'	0	0.08	0.02	0.09	0.05	0.06
2043	'EPHA4'	3.33	0.75	0.37	5.11	2.58	1.32
2046	'EPHA8'	0.03	0	0.02	0.05	0	0.13
2047	'EPHB1'	0	0	0.03	0.17	0.02	0.91
2048	'EPHB2'	0	0	0.14	0	0	0.03
204801	'NLRP11'	0	0	0.03	0	0	0
204851	'HIPK1'	81.41	51.65	28.03	55.54	34.09	54.98
2049	'EPHB3'	0.09	0.07	0	0.02	0.02	0
204962	'SLC44A5'	0	0	0.03	0	0	0.03
205	'AK4'	1.67	2.61	1.36	1.66	64.11	0.83
2050	'EPHB4'	0.38	0.2	0.15	0.04	0	0.33
2051	'EPHB6'	1.47	1.09	1.69	0.73	2.99	4.1
2052	'EPHX1'	1.46	0.91	1.51	0.9	8.38	3.4
205251	'MTLN'	3.9	5.66	3.63	5.08	8.63	6.98
2053	'EPHX2'	0.41	1.13	1.42	1.14	3.28	1.14
205327	'C2orf69'	11.72	9.13	8.37	10.96	8.88	9.09
2054	'STX2'	28.45	21.44	16.21	25.31	25.36	29.44
205428	'DIPK2A'	16.28	13.09	13.85	12.38	21.72	16.88
2055	'CLN8'	8.8	3.32	3.2	4.99	5.7	6.04
205564	'SENP5'	14.04	7.71	5.73	6.37	7.89	9
2056	'EPO'	0	0.06	0.06	0	0	0
2057	'EPOR'	2.3	2.9	4.12	3	5.78	4.03
205717	'USF3'	12.44	6.15	3.04	4.98	3.91	5.18
2058	'EPRS1'	59.04	30.41	69.44	30.5	59.69	54.68
205860	'TRIML2'	0	0	0	0.05	0	0
2059	'EPS8'	2.51	0.96	0.73	0.64	0.91	0.21
2060	'EPS15'	31.38	28.51	28.89	21.86	34.64	37.7
2063	'NR2F6'	1.14	1.21	2.33	0.64	3.22	2.47
206338	'LVRN'	0.08	0	0.02	0	0.11	0.07
206358	'SLC36A1'	12.9	6.06	4.36	6.2	3.48	5.87
2064	'ERBB2'	1.12	1.16	0.98	0.99	2.19	1.67

206412	'C6orf163'	0.44	0.58	0.08	0.08	0.68	0.48
2065	'ERBB3'	0.64	0.7	0.25	1.66	1.83	1.34
2066	'ERBB4'	0	0	0	0.01	0	0
2067	'ERCC1'	42.55	39.18	36.69	40.27	42.58	34.49
2068	'ERCC2'	7.94	8.15	9.88	4.97	8.52	9.43
2069	'EREG'	0.57	0.39	0.81	0.28	0.02	0.09
207	'AKT1'	136.58	106.88	128.66	86.74	95.44	116.58
207063	'DHRSX'	8.37	8.23	10.07	11.8	7.46	11.54
2071	'ERCC3'	55.31	45.32	38.06	34.56	31.52	44.75
2072	'ERCC4'	2.79	2.01	1.65	1.88	1.91	2.32
2073	'ERCC5'	42.39	39.88	33.66	42.13	57.23	44.72
2074	'ERCC6'	9.38	4.31	2.09	3.58	5.65	5.72
2077	'ERF'	20.84	15.24	17.07	14.14	27.83	20.64
2078	'ERG'	0	0	0.21	0	0	0.12
2079	'ERH'	130.39	103.2	198.22	126.02	86.53	149.91
208	'AKT2'	61.68	38.86	40.94	28.91	44.3	52.09
2081	'ERN1'	58.14	44.85	14.71	41.41	18.53	25.37
2086	'ERV3-1'	3.55	1.74	2.26	0.89	2.46	2.62
2091	'FBL'	367.68	397.83	519.91	375.6	340.53	321.76
2098	'ESD'	67.27	55.01	104.78	76.3	70.97	91.79
2099	'ESR1'	4.27	2.41	0.82	1.55	1.37	2.22
21	'ABCA3'	5.02	3.98	5.36	1.94	7.09	6.81
210	'ALAD'	17.83	16.27	21.41	12.44	29.32	26.79
2100	'ESR2'	1.17	0.83	0.84	0.73	1.07	1.18
2101	'ESRRA'	25.48	18.1	21.34	13.76	17.92	23.97
2103	'ESRRB'	0.11	0.08	0	0.03	0.12	0.39
2107	'ETF1'	74.3	59.49	72.95	53.98	33.69	76.88
2108	'ETFA'	95.95	82.99	118.45	71.72	59.92	99.61
2109	'ETFB'	87.46	121.06	155.46	104.7	176.73	111.36
211	'ALAS1'	37.68	30.26	71.17	22.58	60.3	62.58
2110	'ETFDH'	27.21	22.94	28.01	27.94	33.13	29.71
2113	'ETS1'	341.11	208.39	168.77	211.35	257.82	225.18
2114	'ETS2'	20.03	14.44	17.67	9.96	8.76	10.38
2115	'ETV1'	0.15	0.21	2.72	0.45	0.35	2.5
2116	'ETV2'	0.7	1.03	0.54	0.54	1.38	0.25
2117	'ETV3'	16.17	10.46	16.87	10.2	17.3	18.19
2118	'ETV4'	4.16	3.99	7.67	2.23	0.4	1.8
2119	'ETV5'	1.63	1.38	1.31	1	0.6	0.32
212	'ALAS2'	0.23	0	1.1	0	0.06	0
2120	'ETV6'	18.24	12.52	9.54	12.47	13.97	14.24
2121	'EVC'	1.39	1.24	0.48	1.07	1.28	2.17
2122	'MECOM'	0	0	0.08	0	0	0
2123	'EVI2A'	36.66	31.82	48.88	29.39	105.96	64.28
2124	'EVI2B'	292.84	191.58	198.72	187.44	404.93	290.11
2125	'EVPL'	0	0.01	0.11	0.11	0.03	0.03
213	'ALB'	0	0.04	0.04	0.04	0.05	0
2130	'EWSR1'	395.4	241.94	261.35	220.37	197.97	269.4
2131	'EXT1'	3.77	3.66	2.13	1.81	2.76	3.08
2132	'EXT2'	26.54	16.02	17.46	13.06	14.3	24.34
2135	'EXTL2'	3.57	4.17	3.13	4.04	5.64	3.21
2137	'EXTL3'	10.83	8.43	7.18	5.02	7.68	8.31
2139	'EYA2'	0	0.14	0.23	0	0.05	0.33
214	'ALCAM'	7.77	6.28	5.92	4.09	8.75	6.17
2140	'EYA3'	13.6	11.03	7.1	7.18	10.95	7.48

2145	'EZH1'	24.87	21.87	11.91	18.2	44.91	26.01
2146	'EZH2'	70.7	44.3	70.62	35.76	68.38	44.87
2149	'F2R'	152.58	71.08	63.57	71.81	146.62	98.39
215	'ABCD1'	17.56	14.81	12.59	9.17	15.45	29.45
2150	'F2RL1'	0.5	0.14	0.21	0.2	0.29	0.16
2151	'F2RL2'	0.56	0.27	0.09	0.16	0.24	0.56
2152	'F3'	0	0.05	0	0.08	0	0.2
2153	'F5'	0	0.03	0.14	0.04	0.11	0.14
2155	'F7'	0	0	0	0.06	0.28	0.04
2157	'F8'	13.3	11.34	16.95	10.19	28.77	18.54
2159	'F10'	0.1	0.08	0	0.07	0.24	0.09
216	'ALDH1A1'	0.13	0.05	3.49	0.05	0.05	0.34
2160	'F11'	0.15	0.03	0.02	0.12	0.07	0.25
2161	'F12'	0.29	0.66	1.3	0.15	1.02	0.44
2162	'F13A1'	0	0	0	0	0	0.03
2165	'F13B'	0.03	0	0	0	0	0
2166	'FAAH'	2.11	1.7	0.98	1.44	1.76	2.96
2169	'FABP2'	0	0	0	0	0.05	0
217	'ALDH2'	0.47	0.32	0.42	0.16	0.35	0.54
2170	'FABP3'	0.06	0.36	0.23	0.46	0.45	0.4
2171	'FABP5'	140.54	133.11	237.73	128.87	59.01	116.13
2175	'FANCA'	21.25	12.08	19.19	8.78	11.88	13.64
2176	'FANCC'	11.88	3.9	6.72	4.13	3.63	5.51
2177	'FANCD2'	22.23	13.02	21.86	9.7	11.82	8.8
2178	'FANCE'	13.57	5.47	12.16	6.7	8.06	8.11
218	'ALDH3A1'	0.05	0.07	0	0.14	0.05	0
2180	'ACSL1'	40.17	18.59	15.26	12.33	9.19	16.84
2181	'ACSL3'	18.51	12.07	15.81	10.71	10.13	21.75
2182	'ACSL4'	28.74	20.51	32.58	17.04	29.65	31.56
2184	'FAH'	46.47	44.44	45.8	44.98	17.18	36.21
2185	'PTK2B'	101.7	72.56	78.08	53.86	126.31	87.6
2186	'BPTF'	39.89	17.48	12.46	18.62	19.3	22.7
2187	'FANCB'	4.27	2.47	3.25	2.44	1.46	2.14
2188	'FANCF'	4.42	3.36	3.71	4.8	6.04	7.36
2189	'FANCG'	18.86	14.88	27.63	10.77	28.58	14.75
219	'ALDH1B1'	3.23	2.68	7.13	2.54	2.61	2.72
2191	'FAP'	0	0	0	0.08	0	0.1
2192	'FBLN1'	0.11	0.16	0.08	0.04	0.19	0.19
219285	'SAMD9L'	17.63	9.56	19.56	16.08	20.23	78.24
219287	'AMER2'	0.01	0	0	0	0	0
219293	'ATAD3C'	0.43	0.43	0.43	0.24	0.5	0.44
2193	'FARSA'	54.29	41.49	91.87	32.69	77.04	71.05
219333	'USP12'	70.55	41.68	24.22	35.28	24.34	35.62
219348	'PLAC9'	1.2	0.23	0.44	0.42	0.23	0.78
2194	'FASN'	84.89	37.44	63.84	22.88	15.7	53.54
219402	'MTIF3'	28.99	38.41	60.38	34.98	70.55	82.31
2195	'FAT1'	0	0	0.01	0	0	0
219537	'SMTNL1'	0.85	0.45	0.63	0.6	0.17	0.59
219539	'YPEL4'	0.25	0.44	0.96	0.93	6.37	0.72
219541	'MED19'	18.93	16.35	25.17	18.38	24.67	24.22
2196	'FAT2'	0.06	0.03	0.01	0.03	0.04	0.06
219654	'ZCCHC24'	1.69	1.93	1.75	1.04	4.55	2.37
219670	'ENKUR'	0	0	0.03	0	0	0.07
219699	'UNC5B'	0	0	0	0	0.04	0.03

2197	'FAU'	1458.3	2029.3	1555.9	1979.41	2014.89	1629.06
219736	'STOX1'	1.32	0.78	0.26	0.03	1.3	0.34
219738	'FAM241B'	1.6	2.31	2.27	4.68	1.81	5.05
219743	'TYSND1'	7.55	6.41	7.03	6.86	8.51	8.38
219749	'ZNF25'	7.01	6.67	4.32	4.47	7.66	6.07
219770	'GJD4'	0	0	0	0	0	0.07
219771	'CCNY'	25.86	20.02	17.19	20.98	19.19	22.59
219790	'RTKN2'	2.28	1.54	7.73	2.69	3.72	5.67
219833	'C11orf45	0.11	0.05	0.03	0.24	0.34	0.22
219844	'HYLS1'	18.99	16.83	13.96	12.09	22.97	21.62
219854	'TMEM218'	3.04	3.59	5.62	2.27	4.82	5.63
219855	'SLC37A2'	3.31	1.96	1.47	2	4.48	3.51
219874	'OR6T1'	0	0	0	0.12	0	0
219899	'TBCEL'	48.24	32.72	24.02	13.6	17.55	33.84
2199	'FBLN2'	0.03	0.05	0.11	0.04	0.14	0
219902	'TLCD5'	0.14	0.1	0.15	0.27	0.46	0.79
219927	'MRPL21'	51.88	63.76	108.36	75.91	68.45	75.69
219931	'TPCN2'	5.79	4.83	5.8	3.34	5.2	7.17
219968	'OR5B21'	1.15	0.22	0.36	0.13	0.6	1
219970	'GLYATL2'	0	0	0	0	0	0.08
219972	'MPEG1'	0.06	0.02	0.15	0.08	0	0.45
219988	'PATL1'	69.88	34.74	34.78	35.79	42.24	41.97
22	'ABCB7'	9.89	6.88	7.17	7.09	9.23	7.93
220	'ALDH1A3'	0	0	0.03	0.03	0.03	0
2200	'FBN1'	0.67	0.4	0.85	0.25	1	1.26
220001	'VWCE'	0.54	0.5	0.8	0.23	2.48	1.27
220002	'CYB561A3	39.68	27.4	36.33	23.52	29.47	38.72
220004	'PPP1R32'	1.85	4.13	1.6	2.41	2.76	3.41
220042	'DDIAS'	4.62	2.66	6.34	2.54	3.54	3.47
220047	'CCDC83'	0	0	0	0.05	0	0
220064	'LTO1'	21.11	15.74	8.43	18.63	10.41	12.44
220074	'LRTOMT'	3.85	2.89	5.34	3.67	7.39	3.35
2201	'FBN2'	0	0	0	0.02	0	0.01
220107	'DLEU7'	0.15	0.03	0	0	0.03	0.09
220108	'FAM124A'	0.05	0.02	0	0.11	0.02	0.09
220134	'SKA1'	17.71	7.68	21.45	6.63	9.95	8.62
220136	'CFAP53'	0.11	0.11	0.06	0.05	0.12	0.13
220164	'DOK6'	1.38	1.71	0.56	0.97	1	1.46
2202	'EFEMP1'	0.05	0	0	0	0	0
220213	'OTUD1'	15.13	11.16	6.98	14.14	6.19	19.15
2203	'FBP1'	4.18	3.58	4.61	5.37	0.35	0.85
220323	'OAF'	3.65	2.01	4.03	3.8	2.07	2.63
220359	'TIGD3'	0.87	0.66	0.55	0.65	2.39	0.64
220388	'CCDC89'	0.56	0.3	0.08	0.44	0.31	0
2204	'FCAR'	0	0	0	0.09	0.1	0
220416	'LRRC63'	1.72	1.58	1.39	1.02	2.74	2.53
220441	'RNF152'	0.01	0.06	0.01	0	0.04	0.04
2205	'FCER1A'	0.52	0.1	20.96	0.18	0	0.34
2206	'MS4A2'	0.14	0.08	6.8	0.26	0.06	0.58
2207	'FCER1G'	1808	1311.8	822.24	902.77	235.84	405.25
2208	'FCER2'	0.67	0.78	3.81	2.07	0.38	10.18
220869	'CBWD5'	46.91	39.88	41.68	39.21	18.56	28.59
2209	'FCGR1A'	0	0	0.57	0.7	0	0.19
220929	'ZNF438'	8.18	5.47	6.69	3.91	7.14	6.55

220963	SLC16A9	0	0	0.03	0	0	0
220972	MARCHF8	34.8	23.49	14.58	19.32	31.6	28.17
220988	HNRNPA3	193.85	117.42	200.75	115.85	119.61	157.46
220992	ZNF485	0.55	0.71	0.62	0.94	2.29	1.43
221	ALDH3B1	5.93	4.65	3.25	0.37	0.68	0.52
221002	RASGEF1A	5.95	6.35	6.92	6.46	12.24	14.66
221035	REEP3	10.05	7.21	8.63	7.68	9.57	13.47
221037	JMJD1C	20.79	11.63	9.6	10.64	10.98	21.11
221061	FAM171A1	0.21	0.24	0.51	0.55	0.99	1.57
221078	NSUN6	9.65	9.69	7.82	6.44	10.85	12.28
221079	ARL5B	17.76	13.33	10.01	10.3	11.41	12.25
221091	LRRN4CL	0.06	0.09	0.13	0.25	0.05	0.13
221092	HNRNPUL2	123.67	73.19	103.46	64.22	86.5	95.95
221120	ALKBH3	20.28	18.01	19.75	17.33	21.34	26.06
221143	EEF1AKMT	5.41	6.14	13.39	4.43	14.58	12.45
221150	SKA3	20.11	9.44	25.34	9.85	14.58	10.24
221154	MICU2	50.82	43.79	53.6	35.18	52.58	52.29
221178	SPATA13	42.93	26.45	20.4	28.01	27.79	32
221184	CPNE2	2.87	3.01	2.32	1.38	1.34	1.32
221188	ADGRG5	81.61	59.35	65.96	28.75	51.66	71.4
2212	FCGR2A	2.17	4.21	1.86	2.93	2.81	1.59
221264	AK9	2.93	2.02	1.61	2.34	3.29	2.13
221294	NT5DC1	10.8	8.18	9.91	4.81	16.79	10.28
2213	FCGR2B	6.11	1.98	2.71	1.94	2.94	5.61
221302	ZUP1	15.13	12.22	9.31	9.33	8.21	13.69
221322	TBC1D32	1.16	0.94	0.92	1.13	2.22	1.11
221336	BEND6	0.62	0.04	0.39	0	0.04	0.04
221395	ADGRF5	0	0	0	0.05	0.12	0
2214	FCGR3A	332.21	334.51	176.15	148.12	121.42	129.76
221400	TDRD6	0	0	0	0	0	0.01
221409	SPATS1	0.03	0.02	0	0.02	0	0
221421	RSPH9	0.83	0.79	0.61	1.1	0.69	0.86
221424	LRRC73	0	0.06	0	0	0.06	0
221443	OARD1	38.12	36.97	44.2	34.4	51.56	36.89
221458	KIF6	0.02	0.01	0	0.06	0	0
221468	TMEM217	4.42	2.22	1.91	1.14	0.69	1.88
221472	FGD2	5.89	3.6	6.6	3.3	5.01	9.26
221476	PI16	0.11	0.28	0.56	0.28	0.58	7.85
221477	C6orf89	43.84	30.14	27.85	26.22	40.62	38.76
221481	ARMC12	1	1.72	1.37	1.78	1.67	2.1
221491	SMIM29	61.08	65.63	74.48	69.95	60.29	96.76
221496	LEMD2	47.1	40.98	31.07	33.64	34.46	38.02
2215	FCGR3B	0.93	0.72	0.35	0.73	0.24	0.79
221504	ZBTB9	9.68	8.21	4.4	7.85	5.21	10.81
221527	ZBTB12	0.76	0.67	0.99	0.51	2.42	0.85
221545	C6orf136	44.07	39.1	28.98	29.96	21.99	33.68
221656	KDM1B	2.48	2.8	4.99	1.64	7.15	5.66
221662	RBM24	0	0	0	0.26	0	0
221687	RNF182	0	0	0	0	0	0.04
221692	PHACTR1	1.35	0.28	0.48	0.59	0.31	1.13
2217	FCGRT	4.69	6.89	6.5	17.03	11.55	12.41
221710	SMIM13	12.4	8.56	7.85	6.74	5.21	9.44
221711	SYCP2L	0	0.07	0.3	0.09	0.03	0.04
221749	PXDC1	0.4	0.5	0.27	0.36	0.28	1.18

221785	'ZSCAN25'	18.99	16.14	9.24	12.06	33.31	14.97
221786	'FAM200A'	1.5	1.71	2.62	2.23	8.08	3.68
2218	'FKTN'	4.97	3.54	2.64	2.71	3.18	3.62
221806	'VWDE'	0.44	0.26	0.15	0.08	0.73	0.44
221830	'POLR1F'	16.74	12.52	13.58	9.65	8.89	14.33
221833	'SP8'	0.03	0	0	0	0	0
221895	'JAZF1'	13.14	9.97	9.31	17.51	8.47	17.73
2219	'FCN1'	0	0	0	0.03	0	0
221908	'PPP1R35'	26.54	40.38	41.66	34.54	48.67	42.35
221914	'GPC2'	0.51	0.39	0.65	0.07	0.36	0.41
221927	'BRAT1'	27.75	26.31	35.89	28.18	27.79	36.11
221935	'SDK1'	0.24	0.13	0.11	0	0.02	0.16
221937	'FOXK1'	9.15	4.73	3.75	4.09	4.98	5.56
221955	'DAGLB'	14.9	13.75	9.65	10.65	13.11	16.68
221960	'CCZ1B'	56.27	55.27	80.26	67.39	37.03	108.25
221981	'THSD7A'	0	0	0.05	0.01	0	0
222008	'VSTM2A'	0	0	0	0.01	0	0
222068	'TMED4'	70.39	50.67	47.06	48.65	49.69	64.04
222166	'MTURN'	2.52	2.97	1.74	1.93	4.7	2.27
222171	'PRR15'	0	0	0	0.15	0	0
222194	'RSBN1L'	10.35	8.62	7.46	8.78	11.69	10.07
2222	'FDFT1'	178.45	146.67	243.79	139.31	139.71	200.03
222223	'ELAPOR2'	1.5	1.23	0.43	2.94	3.91	1.61
222229	'LRWD1'	23.77	16.96	16.72	14.17	6.65	20.18
222234	'FAM185A'	4.04	1.74	3.22	1.95	2.63	3.98
222235	'FBXL13'	0.11	0.12	0.04	0.14	0	0.07
222236	'NAPEPLD'	2.23	2.22	1.99	1.6	2.96	2.72
222255	'ATXN7L1'	13.13	8.86	8.08	7.09	17.27	13
222256	'CDHR3'	0.1	0.05	0.1	0.09	0.19	0.39
222389	'BEND7'	0	0	0.1	0	0	0
2224	'FDPS'	212.93	215.73	332.7	149.71	144.27	217.41
222484	'LNX2'	5.08	3.48	3.53	4.13	5.4	4.9
222487	'ADGRG3'	35.07	18.23	16.83	10.74	0.47	2.95
222553	'SLC35F1'	0.03	0.02	0	0.06	0	0.08
222584	'FAM83B'	0	0.01	0	0	0	0
222611	'ADGRF2'	0.04	0.03	0	0	0	0
222642	'TSPO2'	0.76	0.25	0	0.15	0.42	0.29
222643	'UNC5CL'	2.36	4.04	1.94	3.57	5.98	5.06
222658	'KCTD20'	51.64	29.01	32.91	24.79	33.85	38.47
222659	'PXT1'	0.46	0.18	0.06	0.11	1.94	0.27
222662	'LHFPL5'	0	0	0	0	0	0.11
222663	'SCUBE3'	0.11	0.02	0.1	0.19	0.31	0.17
222696	'ZSCAN23'	0.22	0.09	0.34	0.18	1.15	0.47
222698	'NKAPL'	0.5	0.38	0.13	0.06	0.46	0.29
222865	'TMEM130'	0.05	0	0.03	0.12	0	0.13
222950	'NYAP1'	0.14	0.08	0.05	0.05	0.25	0.62
222962	'SLC29A4'	0.38	1.08	0.15	0.53	3.7	0.71
222967	'RSPH10B'	0.21	0	0.06	0.02	0.23	0
223	'ALDH9A1'	63.64	42.87	48.88	39.88	40.65	45.82
2230	'FDX1'	17.05	16.3	17.04	17.26	12.67	17.08
223075	'ITPRID1'	0	0	0	0.01	0	0
223082	'ZNRF2'	30.31	15.07	15.4	19.91	17.79	23.13
223117	'SEMA3D'	0.02	0	0	0	0	0.02
2232	'FDXR'	12.21	12.97	24.31	11.49	68.34	26.12

2235	'FECH'	15.22	12.5	14.61	13.01	9.05	12.26
2237	'FEN1'	87.9	47.41	134.17	49.83	78.38	55.99
2239	'GPC4'	0	0	0.02	0.3	0	0.02
224	'ALDH3A2'	14.76	12.59	11	6.67	9.06	11.42
2241	'FER'	1.74	1.09	1.19	0.62	1.71	1.02
2242	'FES'	53.01	48.55	35.13	10.59	18.23	19.13
2245	'FGD1'	0.06	0.02	0.04	0	0.07	0.08
2247	'FGF2'	0.23	0.37	0.63	0.07	0.09	0.51
225	'ABCD2'	12.07	7.28	5.43	5.6	10.45	7.59
2250	'FGF5'	0.56	0.4	0.22	0.49	0.46	0.59
2251	'FGF6'	0	0	0	0	0	0.04
2252	'FGF7'	0.28	0.21	0.4	0.56	1.2	0.53
2253	'FGF8'	0.2	0.15	0.15	0.14	0.15	0
2254	'FGF9'	0.17	0.23	0.02	0.37	0.1	0.2
2256	'FGF11'	2.77	3.6	1.31	2.06	20.56	1.93
225689	'MAPK15'	0	0	0.1	0.05	0	0
2257	'FGF12'	0.05	0	0	0	0	0
2258	'FGF13'	0.01	0	0	0.07	0	0
226	'ALDOA'	1341.1	1559.3	1123.2	1076.07	3249.07	806.54
2260	'FGFR1'	8.47	8.47	8.34	3.38	10.79	2.79
2261	'FGFR3'	0.13	0.07	0.07	0.09	0.55	0.11
2262	'GPC5'	0	0	0.09	0.05	0	0.07
2263	'FGFR2'	0.13	0.18	0.02	0	0.32	0.05
2264	'FGFR4'	0.3	0.46	0.31	0.26	0.43	0.73
2267	'FGL1'	0	0	0	0	0	0.05
2268	'FGR'	41.31	42.36	27.51	22.68	21.73	9.82
2271	'FH'	40.91	31.86	65.62	26.76	26.49	38.38
2272	'FHIT'	0.09	0.12	0.5	0.27	0.23	0.2
2273	'FHL1'	12.02	10.57	15.51	15.05	6.42	18.71
2274	'FHL2'	0.33	0.5	2.33	0.45	3.99	0.92
2275	'FHL3'	18.37	19.18	13.56	10.66	11.14	15.94
2277	'VEGFD'	0.26	0.35	0.44	0.09	0.25	0.11
22794	'CASC3'	57.96	34.7	33.91	30	37.76	49.68
22795	'NID2'	0.57	0.14	0.15	0.13	0.42	0.76
22796	'COG2'	27.87	24.34	22.24	25.16	15.26	24.97
22797	'TFEC'	0.36	0.2	1.06	0.32	0.29	0.55
22798	'LAMB4'	0.1	0.08	0.07	0.25	0.04	0.2
2280	'FKBP1A'	252.43	205.85	264.57	219.79	226.87	233.24
22800	'RRAS2'	57.88	39.92	55.52	21	48.02	41.8
22801	'ITGA11'	0.04	0.01	0.01	0.01	0.02	0.01
22803	'XRN2'	74.8	43.23	49.15	47.24	39.56	68.59
22806	'IKZF3'	28.96	15.82	9.91	27.36	13.23	40.86
22807	'IKZF2'	10.37	5.32	4.43	5.84	8.43	4.71
22808	'MRAS'	1.07	0.26	0.28	0.14	0.05	0.06
22809	'ATF5'	32.4	19.35	14.49	22.46	10.61	23.62
2281	'FKBP1B'	12.73	14.84	17.21	7.65	10.64	13.69
22818	'COPZ1'	129.25	118.47	128.46	116.13	122.07	140.65
22820	'COPG1'	82.53	51.54	70.32	42.96	102.63	73.75
22821	'RASA3'	46.05	49.46	44.55	27.58	119.83	65.47
22822	'PHLDA1'	59.85	71.93	57.44	47.79	38.77	68.94
22823	'MTF2'	22.21	16.81	21.43	14.41	17.11	21.75
22824	'HSPA4L'	0.19	0.14	0.21	0.07	0.1	0.06
22826	'DNAJC8'	164.89	142.04	199.01	125.75	159.41	172.61
22827	'PUF60'	188.32	144.52	170.82	152.66	80.53	167.11

22828	'SCAF8'	42.8	28.99	20.56	30.34	23.48	34.53
22829	'NLGN4Y'	0	0	0.31	1.67	0.42	0
22832	'CEP162'	3.69	3.9	3.06	3.68	4.71	3.69
22834	'ZNF652'	11.53	12.24	8.9	8.32	9.57	12.22
22835	'ZFP30'	2.2	1.78	0.63	1.13	2.21	1.34
22836	'RHOBTB3'	12.87	6.6	2.8	2.48	3.08	0.99
22837	'COBLL1'	0.72	0.44	0.43	0.34	0.35	2.43
22838	'RNF44'	112.74	69.95	55.27	53.18	63.47	97.5
22839	'DLGAP4'	28.49	23.14	24.36	16.6	34.97	51.72
22841	'RAB11FIF	10.99	9.77	5.29	9.04	5.32	6.88
22843	'PPM1E'	0.07	0.09	0.1	0.04	0.07	0.12
22844	'FRMPD1'	0	0	0	0.01	0	0
22845	'DOLK'	6.3	5.76	5.85	5.29	4.97	6.32
22846	'VASH1'	4.9	3.73	4.1	2.45	3.83	3.31
22847	'ZNF507'	15.01	8.41	4.93	7.93	5.19	9.15
22848	'AAK1'	18.52	15.12	12.85	14.2	17.44	18.86
22849	'CPEB3'	4.46	2.21	1.65	1.95	2.94	3.01
22850	'ADNP2'	26.66	22.18	14.63	16.52	16.64	23.29
22852	'ANKRD26'	3.18	2.31	2.39	1.82	3.35	3.01
22853	'LMTK2'	11.94	6.18	3.62	4.89	4.85	5.76
22854	'NTNG1'	0	0	0.02	0	0	0.07
22856	'CHSY1'	54.25	32.55	37.57	32.03	53.37	32.79
22858	'CILK1'	10.35	8.24	5.29	5.1	7.57	8.48
22859	'ADGRL1'	3.24	2	1.62	2.07	2.64	4.06
2286	'FKBP2'	94.18	100.07	143.32	82.77	134.03	126.73
22861	'NLRP1'	60.73	64.39	29.57	35.45	75.7	56.66
22862	'FNDC3A'	29.8	18.51	11.66	16.93	13.47	21.64
22863	'ATG14'	17.73	19.04	6.52	13.74	11.79	13.04
22864	'R3HDM2'	21.12	16.43	16.86	14.67	32.76	33.4
22866	'CNKSR2'	1.75	1.28	0.78	0.27	0.7	0.24
22868	'FASTKD2'	6.22	5.61	5.29	5.55	3.74	6.79
22869	'ZNF510'	4.41	2.49	2.68	3.65	4.81	6.6
2287	'FKBP3'	45.13	40.43	60.95	34.61	35.63	52.73
22870	'PPP6R1'	236.85	156.7	180.89	123.42	148.82	232.48
22871	'NLGN1'	0	0	0	0.01	0	0.01
22872	'SEC31A'	64.53	32.74	40.22	31.52	58.5	63.44
22873	'DZIP1'	0	0	0	0.01	0.05	0.06
22874	'PLEKHA6'	0.03	0.01	0.03	0.05	0	0.07
22875	'ENPP4'	14.94	11.21	8.91	11.09	18.19	12.51
22876	'INPP5F'	11.79	11.09	8	8.04	6.97	8.7
22877	'MLXIP'	20.22	12.39	10.84	8.3	13.54	14.3
22878	'TRAPPC8'	26.69	20.42	15.62	15.53	17.59	23.62
22879	'MON1B'	35.85	24.09	21.24	20.88	28.07	22.15
2288	'FKBP4'	29.01	24.42	41.5	25.22	28.77	47.21
22880	'MORC2'	13.97	8.83	13.44	7.42	15.13	18.27
22881	'ANKRD6'	1.53	2	1.44	2.19	5.41	2.14
22882	'ZHX2'	12.64	7.63	7.61	10.44	13.28	13.87
22883	'CLSTN1'	75.45	54.85	60.25	46.97	73.13	83.77
22884	'WDR37'	17.22	12.89	9.73	10.76	16.67	13.55
22885	'ABLIM3'	0.06	0	0	0.03	0	0.04
22887	'FOXJ3'	32.44	21.33	15.52	20.25	17.98	24.06
22888	'UBOX5'	5.6	3.74	5.67	4.23	6.14	8.57
22889	'KHDC4'	17.64	10.11	12.8	10.96	27.7	15.37
2289	'FKBP5'	249.47	130.18	202.95	185.56	165.09	265.5

22890	'ZBTB1'	81.35	60.66	45.8	68.7	140.55	80.72
22891	'ZNF365'	1.07	0.6	0.53	0.44	0.92	0.66
22893	'BAHD1'	16.55	13.39	10.21	10.38	17.55	12.96
22894	'DIS3'	14.6	9.34	8.65	9.79	9.36	12.25
22897	'CEP164'	9.33	7.28	8.64	5.92	9.35	13.92
22898	'DENND3'	64.45	50.71	35.07	31.1	30.75	44.45
22899	'ARHGEF15	0	0	0.03	0	0	0
229	'ALDOB'	0.05	0	0	0.04	0	0.05
2290	'FOXG1'	0.04	0	0	0	0	0
22900	'CARD8'	69.36	80.43	69.88	78.69	63.15	75.62
22901	'ARSG'	7.62	4.71	5.97	4.94	6.7	6.07
22902	'RUFY3'	6.74	4.95	4.12	5.14	2.54	5.57
22903	'BTBD3'	0.47	0.3	0.6	0.33	0.24	0.26
22904	'SBNO2'	36.55	21.88	19.49	17.15	33.34	44.61
22905	'EPN2'	1.42	2.05	1.71	1.82	4.15	2.02
22906	'TRAK1'	21.26	17.8	19.22	12.73	18.47	18.54
22907	'DHX30'	48.49	30.74	30.41	23.48	20.67	32.74
22908	'SACM1L'	43.25	40.58	30.99	28.62	28.56	35.69
22909	'FAN1'	5.88	4.31	4.81	2.71	7.73	9.81
22911	'WDR47'	9.59	7.56	5.83	7.31	7.46	8.52
22913	'RALY'	451.74	393.02	457.74	358.71	372.16	376.81
22914	'KLRK1'	361.49	334.96	284.13	257.06	415.08	235.53
22915	'MMRN1'	3.37	1.52	0.62	1.59	0.4	0.31
22916	'NCBP2'	59.91	47.52	49.84	44.7	49.89	52.97
22917	'ZP1'	0	0	0	0	0.08	0
22918	'CD93'	2.11	1.5	1.61	0.4	2.05	0.88
22919	'MAPRE1'	155.92	105.1	142.58	108.84	84.63	141.46
22920	'KIFAP3'	17.5	13.93	16.05	11.76	16.97	17.05
22921	'MSRB2'	4.54	3.46	6.98	2.76	3	6.57
22924	'MAPRE3'	4.11	2.51	2.28	3.02	7.16	6.13
22925	'PLA2R1'	0.01	0	0	0	0	0
22926	'ATF6'	34.05	14.51	18.6	12.71	16.72	26.03
22927	'HABP4'	9.27	13.58	11.86	9.82	9.62	14.99
22928	'SEPHS2'	64.55	60.76	64.18	55.35	66.64	69.03
22929	'SEPHS1'	31.66	24.66	36.56	21.2	16.36	26.37
22930	'RAB3GAP1	9.82	4.6	8.06	7.74	7.65	9.78
22931	'RAB18'	22.73	20.17	19.93	23.19	22.92	33.45
22932	'POMZP3'	19.56	11.18	10.51	11.17	5.87	15.12
22933	'SIRT2'	177.49	166.49	137.59	153.88	178.16	209.32
22934	'RPIA'	28.21	25	32.71	26.15	15.93	24.67
22936	'ELL2'	69.35	37.51	31.99	19.03	24.93	43.53
22937	'SCAP'	39.76	23.12	28.8	21.75	33.96	34.02
22938	'SNW1'	91.25	75.47	83.78	74.22	92.73	92.49
2294	'FOXF1'	0	0	0	0	0	0.03
22941	'SHANK2'	0	0	0	0.01	0	0
22943	'DKK1'	0	0.06	0	0	0	0
22944	'KIN'	8.03	8.39	6.56	8.32	9.48	9.04
22948	'CCT5'	109.27	62.77	139.86	67.69	31.09	90.09
22949	'PTGR1'	0	0.11	0.18	0.1	0.28	0.11
22950	'SLC4A1AP	26.44	18.55	23.7	19.88	21.35	32.35
22953	'P2RX2'	0.4	0.18	0.41	0.22	0.24	0.28
22954	'TRIM32'	4.33	4.34	3.26	4.06	13.95	5.55
22955	'SCMH1'	20.58	11.37	16.73	8.35	10.53	9.26
2296	'FOXC1'	0.63	0.46	0.28	0.13	0.25	0.42

2297	'FOXD1'	0.26	0.44	0.16	0.29	1.31	0.96
22974	'TPX2'	110.79	51.98	114.14	44.03	52.77	57.08
22976	'PAXIP1'	28.67	18.1	20.8	14.73	21.32	18.1
22977	'AKR7A3'	1.3	1.46	0.69	0.95	1.32	0.91
22978	'NT5C2'	53.83	32.03	26.77	28.76	30.05	34.53
22979	'EFR3B'	0.03	0.04	0.01	0.02	0.05	0.03
2298	'FOXD4'	0.12	0.51	0.09	0.21	0.5	0.55
22980	'TCF25'	139.73	101.37	103.26	107.47	108.54	143.71
22981	'NINL'	1.38	1.55	1.17	1.22	1.65	0.84
22982	'DIP2C'	0.18	0.14	0.08	0.28	0.17	0.3
22983	'MAST1'	0.15	0.29	0.15	0.11	0.46	0.11
22984	'PDCD11'	16.26	8.12	12.27	8.65	7.96	12.03
22985	'ACIN1'	153.56	124.57	122.16	109.89	128.78	151.97
22987	'SV2C'	0	0.01	0	0	0.11	0.04
22989	'MYH15'	0.17	0.04	0.14	0.05	0.19	0.12
2299	'FOXI1'	2.38	2.08	1.23	0.68	0.4	1.75
22990	'PCNX1'	27.96	22.45	11.73	17.51	17.51	21.66
22992	'KDM2A'	126.21	88.63	61.23	81.14	77.8	105.7
22993	'HMGXB3'	43.84	29.07	20.72	23.26	22.86	29.62
22994	'CEP131'	9.81	9.21	11.36	5.35	10.89	10.33
22995	'CEP152'	17.57	10.04	9.48	7.36	12.12	10.09
22996	'TTC39A'	0	0	0.06	0	0.07	0
22997	'IGSF9B'	0.68	0.32	0.76	0.27	2.5	0.97
23	'ABCF1'	63.07	38.58	56.54	37.2	37.64	59.37
230	'ALDOC'	138.75	284.45	70.39	142.76	585.59	67.37
2300	'FOXL1'	0.05	0.02	0	0	0	0
23001	'WDFY3'	0	0	0.01	0.01	0	0.05
23002	'DAAM1'	3.34	1.96	2.35	1.36	3.59	3.57
23005	'MAPKBP1'	12.46	7.81	6.13	4.84	6.16	11.44
23007	'PLCH1'	0.08	0.06	0.09	0.03	0.03	0.03
23008	'KLHDC10'	8.96	4.97	4.7	4.96	5.36	6.66
2301	'FOXE3'	0.08	0.06	0	0.16	0.18	0.07
23011	'RAB21'	4.79	3.51	4.19	4.42	5.33	6.16
23012	'STK38L'	11.32	10.01	7.67	8.19	9.79	10.67
23013	'SPEN'	55.32	20.45	13.62	13.06	17.97	24.14
23014	'FBXO21'	15.27	11.41	10.33	9.19	12.04	12.29
23015	'GOLGA8A'	176.39	199.6	76.55	106.88	262.45	137.65
23016	'EXOSC7'	25.1	25.71	46.13	26.11	20.25	40.61
23017	'FAIM2'	0.06	0.02	0.06	0.08	0.09	0.1
23019	'CNOT1'	84.72	34	45.92	35.17	56.82	48.47
2302	'FOXJ1'	0.86	1.15	0.68	1.46	0.63	1.55
23020	'SNRNP20(	116.44	62.6	65.92	49.14	66.19	76.1
23022	'PALLD'	0.93	0.49	0.37	1.03	0.85	0.54
23023	'TMCC1'	4.21	4.11	5.41	3.31	4.9	8.01
23025	'UNC13A'	0	0.01	0.01	0	0.07	0
23026	'MYO16'	0	0	0	0.02	0	0.06
23028	'KDM1A'	27.82	24.63	32.6	19.8	33.01	29.12
23029	'RBM34'	39.8	45.07	43.61	44.11	51.45	49.56
2303	'FOXC2'	0	0.1	0.03	0.09	0.03	0
23030	'KDM4B'	14.48	16.42	8.73	8.51	47.37	15.15
23031	'MAST3'	15.74	11.55	10.86	9.6	22.6	19.47
23032	'USP33'	28.82	19.19	16.16	18.74	24.22	26.01
23033	'DOP1A'	9.65	4.47	2.26	5.37	4.37	4.62
23034	'SAMD4A'	0.41	0.17	0.21	0.18	0.26	0.33

23035	'PHLPP2'	5.28	3.09	1.75	2.56	1.66	3.41
23036	'ZNF292'	27.7	15.02	7.98	11.09	43.81	16.52
23037	'PDZD2'	0.09	0.09	0.06	0.03	0.02	0.11
23038	'WDTC1'	33.34	28.54	29.18	19.12	54.39	40.39
23039	'XPO7'	38.77	20.14	27.18	18.47	28.16	27.19
2304	'FOXE1'	0	0	0	0	0.03	0
23040	'MYT1L'	0.07	0.01	0.12	0.01	0.02	0.02
23041	'MON2'	12.55	5.94	4.62	6.53	9.76	7.31
23042	'PDXDC1'	49.15	26.61	27.03	36.23	39.66	41.51
23043	'TNIK'	11.07	7.86	6.21	4.61	10.2	9.12
23046	'KIF21B'	163.86	62.01	62.59	37.45	43.83	58.34
23047	'PDS5B'	26.83	14.74	16.46	11.21	17.72	20.06
23048	'FNBP1'	102.12	68.87	81.16	55.02	142.03	105.39
23049	'SMG1'	63.06	22.89	16	24.17	26.89	26.72
2305	'FOXM1'	103.74	45.84	91.54	29.32	31.72	43.05
23051	'ZHX3'	3.27	1.99	3.02	2.01	4.87	4.01
23052	'ENDOD1'	4.87	2.58	4.76	3.88	4.78	5.97
23053	'ZSWIM8'	44.14	25.88	22.26	22.57	43.54	44.08
23054	'NCOA6'	45.1	22.36	19.88	20.03	24.97	32.33
23059	'CLUAP1'	7.75	8.52	10.18	6.66	15.13	12.44
2306	'FOXD2'	1.18	1.01	1.03	1.35	2.16	0.99
23060	'ZNF609'	26.34	13.86	12.27	9.77	13.3	14.15
23061	'TBC1D9B'	55.18	42.14	25.11	25.47	52.02	45.93
23062	'GGA2'	25.28	19.92	19.69	21.35	45.67	23.52
23063	'WAPL'	28.91	18.01	18.49	15.88	19.12	24.27
23064	'SETX'	45.07	30.87	28.3	25.48	35.7	51.54
23065	'EMC1'	14.81	8.8	7.8	9.99	8.26	8.95
23066	'CAND2'	0.15	0.02	0.16	0.05	0.02	0
23067	'SETD1B'	22.6	9.88	6.53	8.94	9.26	14.73
23070	'CMTR1'	29.12	23.11	25.62	24.4	26.16	48.58
23071	'ERP44'	43.05	36.24	37.65	37.47	41.34	38.83
23074	'UHRF1BP1	44.28	25.59	16.55	22.48	20.43	30.74
23075	'SWAP70'	6.33	2.97	5.92	1.75	7.53	4.47
23076	'RRP1B'	24.84	14.5	21.44	14.05	12.8	20.94
23077	'MYCBP2'	16.8	8.57	9.15	7.23	11.75	14.64
23078	'VWA8'	9.95	5.43	5.08	6.24	4.62	6.02
2308	'FOXO1'	15.84	13.19	12.38	14.93	18.99	29.14
23080	'AVL9'	22.12	12.19	10.58	15.39	9.29	13.36
23081	'KDM4C'	23.05	18.35	15.16	18.48	26.25	22.26
23082	'PPRC1'	42.64	23.19	20.75	17.12	5.69	21.73
23085	'ERC1'	8.41	3.75	3.5	3.28	4.18	7.24
23086	'EXPH5'	0.34	0.14	0.15	0.15	0.11	0.19
23087	'TRIM35'	26.93	10.18	13.69	15.74	13.02	20.79
23089	'PEG10'	0.78	0.44	0.18	0.56	1.04	0.69
2309	'FOXO3'	18.68	10.25	6.81	11.51	20.62	12.81
23091	'ZC3H13'	19.47	9.8	12.45	10.12	16.65	15.2
23092	'ARHGAP26	16.21	8.45	6.81	9.28	5.84	8.19
23093	'TTLL5'	10.58	7.23	7.17	4.9	7.11	10.22
23094	'SIPA1L3'	3.38	2.06	2.41	1.41	3.76	4.89
23095	'KIF1B'	5.77	3.78	4.2	2.59	4.55	6.05
23096	'IQSEC2'	0.17	0.22	0.37	0.45	0.24	0.55
23097	'CDK19'	13.23	8.93	8.33	6.3	13.43	12.06
23098	'SARM1'	6.05	3.87	3.16	2.71	4.26	4.29
23099	'ZBTB43'	36.13	19.15	9.04	21.75	9.05	18.4

231	'AKR1B1'	143.84	128.3	144.04	120.89	99.66	99.32
2310	'FOXO3B'	6.88	3.34	1.29	1.87	1.67	1.56
23101	'MCF2L2'	2.02	1.32	1.39	1.79	1.52	1.83
23102	'TBC1D2B'	60.52	31.63	27.96	29.59	46.37	33.91
23105	'FSTL4'	0	0	0	0	0.02	0
23107	'MRPS27'	26.83	21.64	28.48	19.43	20.87	29.24
23108	'RAP1GAP2	6.76	6.3	9.22	1.35	3.64	8.25
23109	'DDN'	0.57	0.4	0.28	0.14	0.21	0.58
23111	'SPART'	9.86	5.14	6.59	5.07	7.38	8.81
23112	'TNRC6B'	9.48	4.45	3.62	4.52	6.56	7.02
23113	'CUL9'	12.01	10.08	7.75	6.25	11.66	11.48
23114	'NFASC'	0	0.04	0.04	0.03	0.04	0
23116	'TOGARAM1	7.22	4.55	2.59	5.19	4.18	5.29
23117	'NPIPB3'	70.74	51.11	42.88	71.29	75.74	75.44
23118	'TAB2'	219.09	132.64	95.88	154.28	129.71	224.33
23119	'HIC2'	3.6	2.93	1.84	2.17	2.98	2.75
2312	'FLG'	0.01	0	0	0	0.01	0
23120	'ATP10B'	0.08	0.12	0.06	0.06	0.12	0
23122	'CLASP2'	12.46	9.53	8.35	8.41	7.75	11.02
23125	'CAMTA2'	49.31	30.47	37.36	22.81	37.91	53.96
23126	'POGZ'	26.56	19.2	15.49	14.74	21.65	20.41
23127	'COLGALT2	3.81	2.68	1.23	3.59	4.69	1.12
23129	'PLXND1'	14.43	17	6.63	15.49	14.83	29.53
2313	'FLI1'	99.63	64.4	90.43	65.94	153.12	108.71
23130	'ATG2A'	17.52	12.59	10.1	7.94	23.06	16.52
23131	'GPATCH8'	55.23	30.3	19.86	20.86	28.93	29.76
23132	'RAD54L2'	14.71	8.14	5.17	6.53	5.32	7.72
23133	'PHF8'	28.78	14.42	12.87	14.08	13.36	20.17
23135	'KDM6B'	14.92	13.34	8.9	8.65	12.49	22.54
23136	'EPB41L3'	0.07	0	0.05	0.07	0	0
23137	'SMC5'	46.17	25.66	21.6	21.92	21.73	24.16
23138	'N4BP3'	10.96	5.99	3.68	5.12	44.67	10.7
23139	'MAST2'	16.48	10.64	15.3	6.47	8.67	12.87
2314	'FLII'	83.74	59.77	65.47	41.96	67.95	76.96
23140	'ZZEF1'	45.42	21.93	15.24	17.81	19.78	27.48
23141	'ANKLE2'	81.02	50.87	39.01	43.52	37.55	50.3
23142	'DCUN1D4'	5.72	5.65	4.89	5.01	11.37	6.69
23143	'LRCH1'	12.39	11.71	9.67	8.18	9.87	14.09
23144	'ZC3H3'	22.78	20.21	15.69	9.94	24.85	23.04
23148	'NACAD'	0.34	0.19	0.1	0.07	1.07	0.23
23149	'FCHO1'	28	24.73	28.19	22.27	40.12	42.3
2315	'MLANA'	0.46	0.17	0.25	0.16	0.76	0.35
23150	'FRMD4B'	65.25	39.46	57.2	27.61	20.79	76.44
23151	'GRAMD4'	22.44	16.53	20.78	6.25	12.76	18.73
23152	'CIC'	64.63	39.4	30.72	19.32	57.52	48.79
23154	'NCDN'	25.46	17.64	17.13	13.1	21.15	36.15
23155	'CLCC1'	4.55	3.27	4.87	2.92	7.87	4.27
23157	'SEPTIN6'	156.53	123.78	117.06	65.06	117.78	140.06
23158	'TBC1D9'	0.13	0.03	0.1	0.06	0.02	0.47
2316	'FLNA'	903.75	380.06	522.78	233.88	635.32	710.52
23160	'WDR43'	31.09	27.7	29.07	23.54	16.53	32.93
23161	'SNX13'	18.81	8.63	6.46	8.79	6.4	11.56
23162	'MAPK8IP3	50.49	44.6	21.23	25.67	43.23	45.36
23163	'GGA3'	48.95	34.27	26.77	27.34	35	40.68

23164 'MPRIP'	36.04	25.6	20.83	24.21	28.18	30.38
23165 'NUP205'	39.19	18.51	23.1	16.45	16.4	24.27
23166 'STAB1'	0.02	0	0.08	0.01	0	0.03
23167 'EFR3A'	31.33	22.01	19.88	20.36	22.02	31.2
23168 'RTF1'	30.1	21.86	21.66	22.68	25.37	28.29
23169 'SLC35D1'	13.16	7.53	5.18	6.89	5.73	8.23
2317 'FLNB'	6.56	5	9.86	2.28	14.13	11.09
23170 'TTLL12'	22.99	15.44	42.09	13.81	32.24	28.81
23171 'GPD1L'	24.49	23.27	16.64	16.82	18.83	19.96
23172 'ABRAXAS2	14.98	12.64	11	13.41	13.77	14.52
23173 'METAP1'	45.58	31.75	39.85	30.57	46.68	40.68
23174 'ZCCHC14'	3.28	1.79	1.39	2.9	2.24	3.82
23175 'LPIN1'	65.44	34.82	28.18	34	47.99	34.86
23176 'SEPTIN8'	15.25	16.55	17.74	11.12	17.83	15.46
23177 'CEP68'	5.21	3.88	3.33	4.86	12.38	9.96
23178 'PASK'	15.06	9.81	12.18	8.73	9.61	11.48
23179 'RGL1'	3.62	1.35	1.22	0.6	1.28	1.36
2318 'FLNC'	0	0.05	0	0.03	0	0.04
23180 'RFTN1'	87.16	65.68	56.85	47.59	69.66	69.26
23181 'DIP2A'	31.07	23.1	19.35	21.94	31.39	27.4
23184 'MESD'	22.15	16.14	26.89	19.7	25.26	23.41
23185 'LARP4B'	25.31	13.86	15.19	13.76	22.56	19.12
23186 'RCOR1'	9.87	6.4	7.51	5.3	12.12	9.29
23187 'PHLDB1'	1.42	1.28	0.59	0.21	0.9	0.69
23189 'KANK1'	6.97	1.73	2.79	1.12	0.98	4.27
2319 'FLOT2'	177.96	158.11	188.06	137.58	166.23	186.31
23190 'UBXN4'	78.82	59.43	47	44.72	86	75.46
23191 'CYFIP1'	2.72	1.44	2.99	1.44	2.19	5.59
23192 'ATG4B'	54.32	59.16	57.23	42.13	68.82	63.04
23193 'GANAB'	197.02	118.44	147.9	94.8	138.96	125.45
23195 'MDN1'	15.55	6.83	6.88	6.7	6.35	8.46
23196 'FAM120A'	107.78	66.69	81.77	56.59	70.28	98.4
23197 'FAF2'	31.09	20.47	21.14	16.91	22.66	23.88
23198 'PSME4'	45.78	30.68	22.47	25.43	14.12	29.11
23199 'GSE1'	17.35	9.78	12.34	10.36	17.53	10.61
23200 'ATP11B'	47.45	34.07	31.59	27.69	39.1	40.78
23201 'FAM168A'	16.65	9.68	9.76	8.35	20.87	16.64
23203 'PMPCA'	36.34	34.26	40.28	31.08	38.27	36.86
23204 'ARL6IP1'	283.62	203.5	287.21	175.6	236.28	232.14
23205 'ACSBG1'	0.14	0.07	0.06	0.12	0.02	0.05
23207 'PLEKHM2'	70.42	57.81	44.78	45.86	49.97	54.66
23208 'SYT11'	36.47	22.89	20.7	16.38	32.88	28.29
23209 'MLC1'	39.97	21.55	10.32	8.46	1.21	5.79
2321 'FLT1'	0.02	0.03	0.07	0.11	0	0
23210 'JMJD6'	79.47	57.67	44.82	68.86	44.06	106.31
23211 'ZC3H4'	36.36	17.93	22.21	13.95	18.71	28.23
23212 'RRS1'	23.24	18.77	36.54	22.49	5.8	35.86
23214 'XPO6'	91.33	80.58	83.31	53.73	97.81	82.14
23215 'PRRC2C'	81.76	34.8	31.94	29.39	41.99	49.67
23216 'TBC1D1'	20.17	17.81	24.73	11.07	22.09	24.84
23217 'ZFR2'	0.27	0.24	0.92	0.16	0.96	0.68
23218 'NBEAL2'	65.23	45.67	54.33	23.41	46.9	65.98
23219 'FBXO28'	10.67	8.92	7.32	9.34	9.91	10.77
2322 'FLT3'	0.04	0.03	0.2	0.03	0	0.23

23220	'DTX4'	0.25	0.16	0.15	0.26	0.41	0.24
23221	'RHOBTB2'	8.99	5.04	4.16	2.65	3.8	3.86
23223	'RRP12'	11.45	5.28	7.54	8.38	1.98	10.31
23224	'SYNE2'	57.3	43.32	53.61	59.75	95.18	78.47
23225	'NUP210'	123.75	60.84	113.38	43.23	62.91	75.34
23228	'PLCL2'	23.98	24.57	28.78	23.73	46.41	26.85
23229	'ARHGEF9'	8.53	8.77	8.43	6.32	12.16	9.99
2323	'FLT3LG'	158.94	170.17	173.91	253.54	249.92	337.24
23230	'VPS13A'	23.08	11.25	7.57	9.56	12.69	14.05
23231	'SEL1L3'	52.07	40.42	54.42	31.7	66.59	67.78
23232	'TBC1D12'	0.61	0.42	0.56	0.04	0.32	0.61
23233	'EXOC6B'	2.91	1.72	1.19	2.15	3.58	4.3
23234	'DNAJC9'	109.62	72.19	119.79	75.67	43.2	60.19
23235	'SIK2'	12.41	6.75	6.94	5.47	9.29	7.51
23236	'PLCB1'	0.86	0.71	0.44	1.7	0.37	1.2
23237	'ARC'	0.52	0.56	0.29	0.22	0.07	0.27
23239	'PHLPP1'	3.81	2.73	3.1	1.22	4.02	2.38
2324	'FLT4'	2.41	2.81	0.43	5.16	1.04	9.52
23240	'TMEM131L	23.7	20.62	18.83	15.17	17.74	24.22
23241	'PACS2'	10.83	8.33	6.95	6.47	13.49	11.03
23243	'ANKRD28'	112.01	50.3	26.73	62.21	28.08	68.53
23244	'PDS5A'	71.47	35.35	50.69	33.49	42.48	54.67
23245	'ASTN2'	9.75	3.85	3	4.38	7.23	7.07
23246	'BOP1'	43.92	26.22	60.39	30.55	14.56	47.83
23247	'KATNIP'	9.74	7.33	4.84	5.85	7.04	9.5
23248	'RPRD2'	29.65	14.14	13.46	12.87	21.74	21.14
23250	'ATP11A'	22.75	9.56	7.67	6.14	8.63	13.89
23251	'MINAR1'	1.08	0.81	0.39	0.91	0.51	1.47
23252	'OTUD3'	10.62	7.57	3.27	5.27	3.21	4.59
23253	'ANKRD12'	74.78	37.53	27.13	49.6	50.63	77.27
23254	'KAZN'	0.03	0.05	0.04	0.1	0.34	0
23255	'MTCL1'	0.17	0.12	0.16	0.27	0.14	0.44
23256	'SCFD1'	34.9	25.95	26.38	22.23	34.85	39.02
23258	'DENND5A'	10.76	7.25	6.07	3.06	11.29	5.74
23259	'DDHD2'	38.77	24.98	18.59	19.91	27.77	20.55
23261	'CAMTA1'	46.01	66.33	94.21	49.8	54.75	48.59
23262	'PPIP5K2'	20.43	13.07	10.44	10.19	13.45	13.31
23263	'MCF2L'	0.12	0.09	0.27	0.16	0.38	0.34
23264	'ZC3H7B'	42.47	25.16	29.11	22	19.24	36.5
23265	'EXOC7'	54.44	39.89	35.79	27.59	40.88	59.05
23266	'ADGRL2'	0	0.03	0.05	0.02	0.02	0.04
23268	'DNMBP'	3.29	3.83	2.72	2.3	5.34	3.2
23269	'MGA'	14.65	6.96	4.66	6.27	9.1	8.28
23270	'TSPYL4'	23.81	13.85	9.62	17.92	15.77	20.59
23271	'CAMSAP2'	0.24	0.03	0.07	0.13	0.09	1.34
23272	'TASOR'	26.18	15.74	15.92	15.94	15.95	24.02
23274	'CLEC16A'	24.17	14.01	16.07	10.53	23.93	22.04
23275	'POFUT2'	16.35	16.73	8.58	13.46	18.62	19.71
23276	'KLHL18'	10.14	7.78	6.08	6.24	2.8	7.29
23277	'CLUH'	30.69	16.62	21.22	16.91	31.87	19.13
23279	'NUP160'	26.8	17.49	20.89	16.6	12.54	19.68
23281	'MTUS2'	0.03	0.02	0.07	0.02	0	0.11
23283	'CSTF2T'	18.33	12.16	18.72	10.52	28.6	19.56
23284	'ADGRL3'	0	0	0.01	0	0	0

23286	'WWC1'	0	0	0.04	0	0	0.05
23287	'AGTPBP1'	23.96	23.74	20.05	14.92	23.29	24.11
23288	'IQCE'	6.12	4.1	6.51	3.47	3.5	8.43
2329	'FMO4'	0.12	0.3	1.27	0.83	2.37	0.92
23291	'FBXW11'	22.14	13.61	11.56	12.56	16.65	13.63
23293	'SMG6'	20.84	17.58	17.9	8.76	40.02	15.21
23294	'ANKS1A'	6.18	3.71	4.48	4.56	5.86	7.02
23295	'MGRN1'	44.83	26.59	26.34	19.13	35.1	34.64
23299	'BICD2'	30.93	17.73	19.02	15.67	25.31	17.94
2330	'FMO5'	0.83	0.51	0.49	0.64	0.93	1.6
23300	'ATMIN'	34.78	24.88	20.26	28.27	23.25	29.95
23301	'EHBP1'	6.75	6.07	6.69	3.91	6.04	8.46
23302	'WSCD1'	0	0	0.02	0.01	0.14	0
23303	'KIF13B'	18.77	10.39	9.79	8.04	10.22	12.22
23304	'UBR2'	27.09	18.77	12.55	17.72	22.27	23.94
23305	'ACSL6'	0.72	1.21	0.89	1.09	1.86	1.92
23306	'NEMP1'	19.41	8.61	10.92	8.08	16.66	8.01
23307	'FKBP15'	24.94	15.77	20.66	14.47	31.02	25.25
23308	'ICOSLG'	1.08	0.85	2.36	1.7	5.12	4.07
23309	'SIN3B'	14.38	16.3	14.48	10.5	17.54	22.29
2331	'FMOD'	0	0	0.03	0	0	0
23310	'NCAPD3'	32.67	10.83	26.41	9.77	18.56	12.89
23312	'DMXL2'	0.81	0.42	1.06	0.61	2.37	1.43
23313	'KIAA093(	28.05	19.96	21.4	12.74	11.83	13.07
23314	'SATB2'	0.07	0.12	0.11	0.14	0.17	0.19
23315	'SLC9A8'	39.91	24.56	14.28	19.1	18	27.44
23316	'CUX2'	0	0.01	0.03	0.03	0.04	0.1
23317	'DNAJC13'	16.77	10.1	13.36	11.81	14.4	20.01
23318	'TUT4'	18.52	14.85	10.42	11.36	20.56	17.12
2332	'FMR1'	22.02	17.62	15.03	15.25	20.61	19.53
23321	'TRIM2'	0	0.03	0.03	0	0.01	0.22
23322	'RPGRIP1L	1.16	0.82	0.84	0.81	1.5	1.32
23324	'MAN2B2'	30.31	22.07	17.67	16.39	32.62	27.41
23325	'WASHC4'	37.84	18.47	15.89	19.6	22.39	30.06
23326	'USP22'	66.81	31.81	38.85	28.16	39.9	36.51
23327	'NEDD4L'	0.36	0.22	0.48	0.16	0.29	0.87
23328	'SASH1'	0.25	0.08	0.08	0.02	0.06	0.28
23329	'TBC1D30'	0.02	0	0.02	0.1	0.03	0.08
23331	'TTC28'	0.19	0.04	0.05	0.09	0.06	0.04
23332	'CLASP1'	37.62	25.48	17.03	17.28	26.24	26.43
23333	'DPY19L1'	16.78	11.19	17.28	9	19.18	13.18
23334	'SZT2'	21.55	10.71	8.03	6.81	11.85	14.34
23335	'WDR7'	14.85	6.6	8.98	6.95	9.06	12.64
23336	'SYNM'	0.15	0.19	0.44	0.58	2.72	0.24
23338	'JADE2'	22.34	13.2	14.55	16.07	16.76	27.74
23339	'VPS39'	42.24	36.52	22.04	29.94	36.71	35.13
2334	'AFF2'	0	0	0.04	0.01	0	0
23341	'DNAJC16'	5.27	3.3	3.48	4.11	4.85	5.34
23344	'ESYT1'	139.14	77.29	126.4	59.44	107.79	149.84
23345	'SYNE1'	62.46	53.19	37.63	39.79	43.61	57.65
23347	'SMCHD1'	56.28	36.22	37.46	30.87	49.23	64.24
23348	'DOCK9'	8.51	5.29	8.86	7.59	15.08	18.72
23349	'PHF24'	0	0	0	0	0	0.02
2335	'FN1'	59.4	5.04	2.71	2.22	0.77	1.8

23350	'U2SURP'	37.47	23.56	28.45	24.3	24.25	31.41
23351	'KHNYN'	49.51	37.65	20.21	27.16	34.02	37.8
23352	'UBR4'	46.45	17.61	15.9	12.93	25.6	25.41
23353	'SUN1'	20.19	14.62	12.8	14.27	23.03	18.04
23354	'HAUS5'	17.99	13.24	18.1	9.07	19.56	14.53
23355	'VPS8'	14.68	12.15	12.92	9.86	18.75	24.38
23357	'ANGEL1'	6.46	3.88	3.5	3.19	4.76	5.32
23358	'USP24'	34.88	25.04	15.82	18.85	19.67	22.66
23359	'FAM189A1	0	0	0	0	0	0.02
23360	'FNBP4'	103.35	67.89	41.09	73.64	53.34	63.74
23361	'ZNF629'	2.7	1.3	0.72	0.95	1.15	1.12
23362	'PSD3'	0.11	0.04	0.09	0.08	0	0.09
23363	'OBSL1'	0	0	0.43	0.02	0.06	0.04
23365	'ARHGEF12	31.74	12.97	6.6	16.11	17.56	28.15
23366	'KIAA0895	0.28	0.09	0.15	0.17	0.25	0.3
23367	'LARP1'	74.37	33.77	42.07	36.13	36.77	43.61
23368	'PPP1R13B	5.46	5.29	4.95	4.32	5.22	4.7
23369	'PUM2'	65.23	46.84	46.78	39.94	50.34	54.52
23370	'ARHGEF18	24.47	18.62	26.46	10.98	25.86	26.66
23371	'TNS2'	0.79	0.61	0.28	0.52	0.35	0.46
23373	'CRTC1'	9.34	4.16	3.76	4.61	9.12	7.64
23376	'UFL1'	19.93	16.31	14.1	14.88	24.19	20.39
23378	'RRP8'	8.13	6.34	5.49	6.04	6.39	6.33
23379	'ICE1'	23.81	12.02	9.8	11.95	10.88	17
23380	'SRGAP2'	35.62	23.54	24.46	18.98	19.31	30.49
23381	'SMG5'	76.61	44.46	37.72	34.19	34.56	44.34
23382	'AHCYL2'	4.19	2.84	3.54	2.43	6.45	7.24
23383	'MAU2'	60.9	35.35	25.22	29.52	36.19	38.22
23384	'SPECC1L'	22.76	15.47	14.64	11.43	14.34	19.13
23385	'NCSTN'	66.96	48.34	51.05	43.27	61.52	67.75
23386	'NUDCD3'	20.15	14.85	21.5	14.85	19.86	21.18
23387	'SIK3'	26.43	17.72	12.33	18.54	19.36	20.21
23389	'MED13L'	31.25	15.29	9.37	13.96	14.11	19.27
2339	'FNTA'	54.93	47.39	50.45	44.74	66.8	55.49
23390	'ZDHHC17'	19.48	14.06	9.56	14.97	12.53	14.99
23392	'ECPAS'	43.84	24.25	25.13	24.91	31.98	34
23394	'ADNP'	41.1	30.41	23.82	21.86	27.27	32.53
23395	'LARS2'	12.19	4.89	8.16	5.26	4.26	7.13
23396	'PIP5K1C'	43.53	25.44	24.62	13.49	44.72	33.64
23397	'NCAPH'	56.25	20.7	49.68	18.61	21.75	25.25
23398	'PPWD1'	37.3	43.09	33.19	29.91	45.86	48.08
23399	'CTDNEP1'	202.92	163.9	180.54	124.97	198.36	163.69
23400	'ATP13A2'	53.6	34.57	39.41	24.69	30.74	43.86
23401	'FRAT2'	24.22	19.85	19.84	19.2	14.55	23.03
23403	'FBXO46'	9.63	7.12	7.91	5.43	15	6.9
23404	'EXOSC2'	21.47	14.76	25.13	14.65	13.48	20.48
23405	'DICER1'	22.92	10.77	7.67	10.47	8.71	11.21
23406	'COTL1'	352.57	254.19	395.28	290.32	548.58	576.51
23408	'SIRT5'	3.62	3.17	5.35	3.32	10.93	7.51
23409	'SIRT4'	1.73	2.49	0.55	1.16	3.2	1.45
23410	'SIRT3'	7.01	10.01	8.42	6.63	21.64	12.84
23411	'SIRT1'	37.5	29.76	23.2	23.72	14.21	31.13
23412	'COMMD3'	58.38	64.3	98.58	58.68	106.29	90.39
23413	'NCS1'	2.49	1.24	1.99	1.21	0.68	2.42

23414	'ZFPM2'	0	0	0	0	0	0.01
23415	'KCNH4'	0.13	0.05	0.33	0	0.1	0.58
23416	'KCNH3'	0.4	0.5	0.3	0.23	0.57	0.35
23417	'MLYCD'	1.26	1.12	1.03	0.79	1.78	0.93
23418	'CRB1'	0.04	0	0.03	0	0	0.03
2342	'FNTB'	6.96	2.32	5.36	2.61	7.77	4.72
23420	'NOMO1'	54.75	30.73	35.99	25.03	16.14	32.14
23421	'ITGB3BP'	33.53	32.64	62.18	24.63	44.48	25.69
23423	'TMED3'	80.16	98.16	91.11	82.53	88.94	71.08
23424	'TDRD7'	10.81	8.68	8.62	13.98	8.25	16.12
23426	'GRIP1'	0.03	0.04	0.02	0.02	0.06	0.02
23428	'SLC7A8'	0	0.03	0.68	0.21	0.1	0.19
23429	'RYBP'	27.03	20.33	15.4	15.04	25.98	29.09
23430	'TPSD1'	0	0.07	3.28	0.19	0	0.47
23431	'AP4E1'	12.87	6.64	6	6.38	8.34	8.85
23432	'GPR161'	0.07	0.01	0.06	0.03	0	0.01
23433	'RHOQ'	32.94	23.63	21.69	19.43	29.61	14.42
23435	'TARDBP'	101.04	53.28	53.47	64.84	57.32	51.76
23438	'HARS2'	28.8	20.01	15.72	20.44	24.49	22.14
23439	'ATP1B4'	0	0.02	0.02	0	0	0
23443	'SLC35A3'	9.55	8.89	5.93	7.56	8.39	6.59
23446	'SLC44A1'	9.94	4.49	6.78	3.97	7.74	5.79
23450	'SF3B3'	38.33	21.15	35.05	22.32	23.4	34.77
23451	'SF3B1'	238.03	153.01	106.76	137.64	182.46	182.54
23452	'ANGPTL2'	0.06	0	0	0.01	0	0
23456	'ABCB10'	26.74	20.37	22.64	17.86	16.98	22.06
23457	'ABCB9'	1.1	0.86	0.61	0.89	3.02	0.71
23460	'ABCA6'	0	0	0.02	0.07	0.04	0.08
23461	'ABCA5'	4.78	5.71	3.12	4.62	9.68	6.86
23462	'HEY1'	0.07	0.05	0	0.19	0	0.06
23463	'ICMT'	37.13	20.43	39.86	22.83	21.11	34.98
23464	'GCAT'	13.52	12.67	11.15	6.11	8.72	4.62
23466	'CBX6'	34.99	18.26	21.59	23.3	23.63	35.9
23467	'NPTXR'	1.48	0.77	0.76	0.52	0.69	0.56
23468	'CBX5'	13.17	6.08	14.4	4.17	9.08	6.57
23469	'PHF3'	35.82	18.36	15.86	21.87	38.49	23.88
23471	'TRAM1'	194.27	140.54	126.48	145.2	221.64	199.1
23473	'CAPN7'	23.55	13.35	8.91	17.44	15.97	15.25
23474	'ETHE1'	61.84	84.09	104.95	48.77	66.7	89.01
23475	'QPRT'	5.52	5.75	9.54	3.04	3.79	7.77
23476	'BRD4'	58.64	29.3	29.88	23.37	27.89	40.9
23478	'SEC11A'	214.66	217.03	233.08	188.31	205.44	193.65
23479	'ISCU'	142.79	121.71	138.81	185.21	145.6	283.29
23480	'SEC61G'	614.48	672.49	563.7	706.09	688.99	510.34
23481	'PES1'	60.87	48.55	65.81	47.04	49.81	60.64
23483	'TGDS'	10.91	9.35	11.7	12.91	17.57	13.24
23484	'LEPROTL1	42.41	33.61	49.33	43.62	56.19	70.72
23491	'CES3'	4.7	3.41	4.34	1.77	4.1	2.71
23492	'CBX7'	10.81	10.16	7.06	13.5	28.28	17.38
23493	'HEY2'	0.05	0.04	0	0.04	0	0.09
23495	'TNFRSF1	0.21	0.08	1.01	0.07	0.41	4.75
23498	'HAAO'	0.01	0	0.18	0.06	0.47	0.36
23499	'MACF1'	61.64	34.02	35.3	20.66	34.73	44.82
2350	'FOLR2'	0	0.11	0	0.1	0	0

23500	'DAAM2'	0.02	0	0	0	0.02	0
23503	'ZFYVE26'	12.85	5.08	4.29	5.56	6.3	8.1
23504	'RIMBP2'	0	0	0	0.01	0	0
23505	'TMEM131'	38.99	22.63	20.93	16.95	29.05	25.07
23506	'BICRAL'	34.78	18.2	14.26	18.94	20.33	23.9
23507	'LRRC8B'	4.49	4.18	3.95	1.86	3.89	5.81
23508	'TTC9'	6.76	6.31	4.72	4.19	6.19	4.87
23509	'POFUT1'	16.03	10.15	12.31	9.29	10.03	11.3
23510	'KCTD2'	28.53	23.82	18.81	22.1	21.49	27.61
23511	'NUP188'	47.19	25.87	40.13	19.34	25.7	37.69
23512	'SUZ12'	66.23	42.17	45.77	38.7	41.52	42.41
23513	'SCRIB'	29.28	20.79	28.23	12.84	27.74	31.85
23514	'SPIDR'	20.51	13.75	16.96	11.43	23.65	22.58
23515	'MORC3'	35.86	24.14	17.55	23.84	27.91	31.75
23516	'SLC39A14	8.95	5.27	8.18	4.66	6.07	7.58
23517	'MTREX'	25	11.58	18.82	11.63	18.75	17.17
23518	'R3HDM1'	40.13	21.23	29.3	17.31	21.38	30.19
23521	'RPL13A'	3799.2	5487.1	4537.5	5692.69	6981.25	4379.72
23522	'KAT6B'	19.58	10.58	7.75	10.18	12.95	11.1
23523	'CABIN1'	59.38	40.18	42.7	34.41	42.94	48.73
23524	'SRRM2'	271.2	109.84	90.11	62.88	156.71	143.03
23526	'ARHGAP45	257.99	198.09	191.26	165.82	255.5	259.19
23527	'ACAP2'	21.82	15.94	15.52	12.97	18.68	26.82
23528	'ZNF281'	17.4	9.88	6.13	9.41	7.34	11.44
23529	'CLCF1'	1.63	2.59	0.85	2.35	4.84	4.5
2353	'FOS'	146.08	146.38	199.58	281.43	5.04	319.92
23530	'NNT'	31	17.83	26.4	15.65	22.88	23.43
23531	'MMD'	32.56	30.09	34.87	20.66	26.22	35.14
23533	'PIK3R5'	152.53	82.97	53.22	81.89	88.58	83.45
23534	'TNPO3'	32.54	19.18	25.35	17.4	19.74	27.08
23536	'ADAT1'	9.36	7.46	8.75	6.86	7.69	11.77
23539	'SLC16A8'	0	0.05	0.05	0	0.16	0.12
2354	'FOSB'	127.31	120.39	163.57	177.05	18.88	248.75
23541	'SEC14L2'	0.27	0.76	1.21	0.61	3.03	0.95
23542	'MAPK8IP2	0.24	0.2	0.1	0.12	0.17	0.6
23543	'RBFOX2'	5.52	5.54	5.16	7.77	14.44	7.12
23544	'SEZ6L'	0	0	0	0	0.02	0
23545	'ATP6V0A2	23.29	14.08	12.68	13.17	9.62	14.63
23546	'SYNGR4'	0.51	0.13	0.3	0.21	0.59	0.15
23547	'LILRA4'	0.21	0.16	0.2	0.1	0.21	0.18
23548	'TTC33'	7.22	4.82	7.43	4.4	11.21	8.62
23549	'DNPEP'	37.37	25.24	30.23	30.02	20.69	32.3
2355	'FOSL2'	110	47.89	53.43	50.39	110.38	78.28
23550	'PSD4'	105.55	67.77	82.44	58.73	246.65	116.07
23551	'RASD2'	0	0.07	0.1	0.1	0.18	0.2
23552	'CDK20'	0.69	0.41	0.7	1.91	0.49	1.22
23553	'HYAL4'	0	0.04	0.24	0	0	0.1
23554	'TSPAN12'	0	0	0	0	0	0.05
23555	'TSPAN15'	5.18	2.98	3.48	7.19	1.68	20.73
23556	'PIGN'	5.75	3.31	5.65	3.35	6.33	6.34
23557	'SNAPIN'	28.14	37.39	44.61	36.99	50.8	59.34
23558	'WBP2'	173.72	141.48	143.81	142.9	165.63	193
23559	'WBP1'	72.21	98.87	68.92	78.86	115.08	93.45
2356	'FPGS'	91.58	72.82	71.22	63.69	43.47	73.5

23560 'GTPBP4'	29.52	20.07	34.33	25.38	14.53	32.79
23562 'CLDN14'	0.08	0	0	0	0	0.08
23563 'CHST5'	0.07	0.11	0.03	0	0	0.06
23564 'DDAH2'	44.65	67.61	65.06	43.04	42.08	63.89
23566 'LPAR3'	3.32	1.33	2.43	2.21	2.49	2.33
23567 'ZNF346'	13.21	6.89	7.31	6.06	9.12	8.44
23568 'ARL2BP'	81.85	71.12	54.94	81.45	51.14	77.11
23569 'PADI4'	0.08	0.12	0.92	0.22	0.54	0
2357 'FPR1'	0	0	0.59	0	0	0
23576 'DDAH1'	0.03	0	0.03	0.02	0.05	0.03
2358 'FPR2'	0.14	0	0	0.2	0	0
23580 'CDC42EP4	1.78	1.85	1.89	1.28	2.13	1.66
23581 'CASP14'	0	0	0	0.03	0	0
23582 'CCNDBP1'	76.87	75.44	84.45	74.81	79.77	103.89
23583 'SMUG1'	10.49	9.75	13.56	10.37	21.99	15.57
23584 'VSIG2'	0	0	0	0.09	0	0.11
23585 'TMEM50A'	184.17	147.88	153.3	191.93	163.9	225.26
23586 'DDX58'	8.02	5.84	7.88	11.28	10.98	22.39
23587 'ELP5'	32.71	29.12	37.04	34.43	25.15	34.51
23588 'KLHDC2'	26.97	27.08	22.87	26.8	40.63	31.21
23589 'CARHSP1'	31.26	30.07	41.58	19.66	55.49	27.68
2359 'FPR3'	0	0	0.04	0.07	0	0.05
23590 'PDSS1'	15.2	12.61	17.25	8.92	5.49	10.16
23592 'LEMD3'	26.48	20.05	16.86	19.98	20.23	22.99
23593 'HEBP2'	20.39	23.29	32.49	17.77	15.49	34.26
23594 'ORC6'	25.78	15.19	20.37	11.17	9.25	10.18
23595 'ORC3'	11.88	9.34	14.62	7.28	17.14	16.39
23596 'OPN3'	6.92	6.71	9.15	9.11	12.49	16.07
23597 'ACOT9'	10.01	9.22	13.85	8.82	6.24	13.84
23598 'PATZ1'	18.15	18.1	19.49	14.32	16.67	19.96
23600 'AMACR'	3.67	3.45	2.83	2.92	6.48	4.31
23601 'CLEC5A'	0	0	0	0.05	0	0
23603 'CORO1C'	27.06	14.53	23.95	17.92	24.19	26.68
23604 'DAPK2'	3.93	5.66	6.35	5.39	12.32	5.71
23607 'CD2AP'	23.29	12.77	13.49	14.95	14.57	19.77
23608 'MKRN1'	56.47	48.19	44.66	47.97	61.52	62.64
23609 'MKRN2'	25.01	21.41	20.76	15.9	24.19	24.83
23612 'PHLDA3'	3.4	3.51	11.39	3.99	39.01	16.39
23613 'ZMYND8'	38.8	32.69	17.58	20.87	16.78	22.88
23616 'SH3BP1'	173.8	136.55	132.66	74.5	186.05	181.43
23617 'TSSK2'	0.11	0	0.1	0	0	0
23621 'BACE1'	0.8	0.62	0.47	0.52	1.65	0.62
23623 'RUSC1'	35.39	30.98	31.97	22.29	27.82	30.18
23625 'FAM89B'	98.91	94.11	132.65	97.59	114.7	170.25
23630 'KCNE5'	0.39	0.44	0.51	0.34	0.23	0.26
23632 'CA14'	0.63	0.37	0.58	0.41	0.34	0.85
23633 'KPNA6'	17.1	9.25	10.38	9.82	10.13	14.43
23635 'SSBP2'	15.29	12.15	16.05	10.58	20.41	15.58
23636 'NUP62'	69.62	36.05	60.57	36.6	61.25	63.37
23637 'RABGAP1'	10.67	11.39	7.87	10.88	13.17	13.09
23639 'LRRC6'	0.08	0.1	0.12	0.05	1.16	0.91
23640 'HSPBP1'	33	31.82	44.26	29.81	14.3	36.51
23641 'LDOC1'	4.43	4.61	2.85	3.39	2.76	5.88
23643 'LY96'	9.39	18.82	29.66	17.59	22.52	48.49

23644	'EDC4'	52.52	34.51	31.76	23.92	33.83	35.73
23645	'PPP1R15A	1429.3	1441.8	524.09	1370.26	125.44	751.37
23646	'PLD3'	75.82	77.55	95.78	66.55	152.78	119.64
23647	'ARFIP2'	24.54	21.64	18.93	18.54	23.57	24.51
23648	'SSBP3'	114.28	83.95	106.96	41.04	107.56	122.83
23649	'POLA2'	33.91	18.1	39.79	12.85	20.86	21.82
23654	'PLXNB2'	7.89	4.56	7.02	2.75	39.16	8
23657	'SLC7A11'	19.71	4.32	6.69	2.44	1.81	4.27
23658	'LSM5'	18.86	19.73	30.04	17.74	12.2	16.31
23659	'PLA2G15'	7.59	6	7.47	6.78	9.14	10.52
23660	'ZKSCAN5'	13.51	10.66	11.25	9.12	11.99	13.35
23670	'CEMIP2'	41.66	44.05	36.73	25.6	33.78	56.08
23673	'STX12'	18.41	16.34	11.1	15.35	16.39	21.71
23677	'SH3BP4'	0	0	0	0.03	0	0.04
23678	'SGK3'	3.94	1.55	1.78	2.57	1.21	3.77
23682	'RAB38'	9.8	7.46	4.51	11	4.79	10.5
23683	'PRKD3'	19.57	12.86	10.72	10.52	15.42	12.9
23704	'KCNE4'	0	0.03	0	0.06	0.06	0.04
23705	'CADM1'	1.93	2.56	1.68	6.36	3.73	2.56
23708	'GSPT2'	4.28	5.75	5.03	4.02	9.93	8.98
23710	'GABARAPL	140.22	99.81	58.59	112.88	96.23	132.99
23729	'SHPK'	5.57	3.03	5.5	3.07	5.71	4.3
23731	'TMEM245'	22.72	11.67	10.8	11.17	18.78	10.68
23732	'FRRS1L'	0	0	0	0.01	0.01	0.01
23741	'EID1'	159.34	135.16	157.06	133.35	117.53	166.41
23742	'NPAP1'	0.05	0.02	0.01	0.03	0.04	0
23743	'BHMT2'	0.05	0.09	0	0.04	0.04	0.19
23746	'AIPL1'	0	0	0.04	0.03	0.08	0.08
23753	'SDF2L1'	73.91	76.73	107.82	76.94	50.82	90.09
23759	'PPIL2'	46.92	40.51	37.37	32.38	42.66	39.07
23760	'PITPNB'	55.89	41.69	49.27	40.46	42.14	53.9
23761	'PISD'	25.1	18.11	18.17	14.08	15.42	24.52
23762	'OSBP2'	2.17	1.79	2.68	1.26	1.4	4.69
23764	'MAFF'	73.45	50.93	40.8	36.51	12.47	52.32
23765	'IL17RA'	20.52	12.75	13.35	9.42	21.98	17.13
23768	'FLRT2'	0.02	0.01	0.03	0.01	0.01	0.01
23769	'FLRT1'	0.04	0.02	0.12	0.06	0.09	0.03
23770	'FKBP8'	412.22	466.1	381.91	366.87	673.15	424.54
23774	'BRD1'	61.8	51.53	29.46	45.79	43.38	44.61
23779	'ARHGAP8'	0.6	1.24	0.14	1.79	0.13	0.5
23780	'APOL2'	25.25	17.46	29.54	27.34	49.89	58.04
23786	'BCL2L13'	16.78	13.16	19.11	13.47	22.19	20.27
23787	'MTCH1'	163.67	149.83	117.72	134.72	135.75	133.93
23788	'MTCH2'	46.36	34.99	56.49	36.34	28.31	42.06
238	'ALK'	0	0.06	0.12	0	0.16	0.05
239	'ALOX12'	1.49	1.85	1.84	2.36	6.38	2.69
2395	'FXN'	3.15	2.64	4.49	2.12	2.41	3.46
240	'ALOX5'	3.89	1.21	6.19	2.17	3.19	6.86
241	'ALOX5AP'	1046.1	1221.4	1140	1208.15	940.6	976.49
24137	'KIF4A'	21.19	9.53	20.88	9.01	6.29	8.78
24138	'IFIT5'	6.46	4.83	5.47	12.66	4.3	30.83
24139	'EML2'	48.98	45.82	43.23	27.78	44.86	52.1
24140	'FTSJ1'	68.39	55.31	57.85	45.28	53	62.21
24141	'LAMP5'	0	0.06	0	0	0.06	0

24142	'NAA80'	35.59	44.67	55.65	28.29	64.5	56.21
24144	'TFIP11'	38.64	29.18	29.65	23.13	20.79	30.79
24145	'PANX1'	21.01	14.32	11.19	10.78	25.39	10.42
24146	'CLDN15'	24.1	19.56	14.64	22.3	26.8	21.87
24147	'FJX1'	0	0.04	0	0	0	0.05
24148	'PRPF6'	50.15	41.2	57.69	38.39	72.79	64.96
24149	'ZNF318'	10.56	6.81	4.88	7.14	13.23	8.33
242	'ALOX12B'	0.1	0.12	0.04	0.04	0.24	0.14
2444	'FRK'	0.53	0.28	0.2	0.34	0.49	0.46
245711	'SPDYA'	0.81	0.88	0.27	0.51	0.87	0.39
245802	'MS4A6E'	0	0	0	0.27	0	0
245812	'CNPY4'	10.16	9.67	22.18	9.71	24.83	21.79
245972	'ATP6VOD2	0	0	0	0.16	0	0
245973	'ATP6V1C2	2.21	1.97	1.46	2.12	2.87	1.29
246	'ALOX15'	0	0.07	0.58	0.03	0	0.17
246175	'CNOT6L'	20.1	16.14	12.06	12.9	20.34	21.58
246176	'GAS2L2'	0.04	0	0	0.05	0.09	0.03
246184	'CDC26'	51.69	54.54	66.01	57.7	59.73	72.55
246243	'RNASEH1'	19.97	12.84	13.98	14.54	7.54	15.64
246269	'AFG1L'	1.38	0.63	1.63	1.05	0.9	1.54
246329	'STAC3'	1.55	1.48	1.53	1.23	2.16	1.41
246330	'PELI3'	3.42	2.49	3.24	2.13	7.93	7.09
246721	'POLR2J2'	0.69	0.74	2.93	5.98	23.31	12.13
246777	'SPESP1'	0.1	0.08	0.23	0.36	0.88	0.27
247	'ALOX15B'	0	0	0	0.04	0.04	0
2475	'MTOR'	24.53	14.08	13.76	10.46	9.66	17.77
248	'ALPI'	0.04	0	0	0	0	0
2483	'FRG1'	112.6	139.07	155.13	186.74	183.99	166.66
2487	'FRZB'	0	0	0	0.03	0	0.09
2491	'CENPI'	3.44	1.61	4.11	0.98	2.98	2.54
2494	'NR5A2'	0.91	0.38	0.14	0.59	1.28	0.25
2495	'FTH1'	2866.2	1732.3	2984.9	1812.68	2372.5	2268.58
25	'ABL1'	17.91	12.57	11.8	11.89	13.43	17.03
250	'ALPP'	0	0	0.04	0.03	0	0
251	'ALPG'	0.05	0	0	0	0	0
2512	'FTL'	5495.5	5899	6223.5	5330.79	9442.69	6814.26
2516	'NR5A1'	0	0	0.03	0	0	0
2517	'FUCA1'	38.12	36.77	25.23	24.34	41.83	26.2
2519	'FUCA2'	30.02	23.56	32.21	18.91	12.38	19.39
2521	'FUS'	404.64	255.71	317.72	280.44	148.26	253.83
2523	'FUT1'	0.22	0.19	0.07	0.09	0.1	0.11
2524	'FUT2'	0.08	0.09	0.22	0.2	0.29	0.21
2525	'FUT3'	0.05	0	0	0.09	0.07	0.06
2526	'FUT4'	8.75	5.64	5.26	5.68	3.05	4.41
2527	'FUT5'	0.34	0.1	0	0.1	0	0.24
2528	'FUT6'	0	0	0	0.04	0.11	0.04
252839	'TMEM9'	17.98	22.35	9.83	17.17	25.19	15.11
252884	'ZNF396'	1.07	0.86	0.46	0.79	1.51	1.06
2529	'FUT7'	51.59	33.8	48.5	13.51	16.6	94.58
252969	'NEIL2'	1.34	1.99	2.01	2.31	4.84	2.11
252983	'STXBP4'	6.2	1.86	1.86	1.81	1.13	1.43
252995	'FNDC5'	0.21	0.07	0.03	0.06	0.18	0.15
2530	'FUT8'	17.18	12.12	18.52	9.15	12.14	19.03
253012	'HEPACAM2	0	0	0.05	0	0.05	0

2531	KDSR	22.64	11.13	11.04	22.13	20.45	45
253143	PRR14L	11.88	4.52	3.41	4.14	5.49	5.57
253152	EPHX4	1.5	1.9	1.27	1.2	1.8	0.18
253190	SERHL2	0.42	1.21	1.16	0.75	1.34	1.39
2532	ACKR1	0	0	0.1	0	0	0
253260	RICTOR	50.32	29.35	14.63	21.93	23.62	31.2
2533	FYB1	55.98	40.6	42.29	55.32	75.4	91.69
2534	FYN	162.28	160.13	103.78	164.85	185.12	150.91
253430	IPMK	5.43	3.91	3.07	3.31	12.67	4.29
253461	ZBTB38	33.35	23.42	9.08	26.24	21.28	26.22
2535	FZD2	0.1	0.1	0.02	0	0.18	0.09
253512	SLC25A3(	35.44	35.2	17.99	36.8	42.18	26.42
253558	LCLAT1	3.9	2.98	4.71	3.34	3.54	4.15
253559	CADM2	0.5	0.39	0.31	0.38	0.46	0.58
253582	TMEM244	0	0	0.27	0.25	0	0
253635	GPATCH11	13.47	9.18	6.9	6.36	11.77	6.74
253639	ZNF620	2.11	1.23	1.35	1.18	2.18	2.41
253650	ANKRD18A	0.3	0.28	0.14	0.47	0.27	0.33
2537	IFI6	72.35	83.16	149.95	230.42	73.46	461.44
253714	MMS22L	10.76	4.14	5.3	3.54	3.51	4.9
253725	WASHC2C	58.51	40.56	30.36	48.88	46.32	65.71
253738	EBF3	0	0	0.13	0	0.05	0
253769	WDR27	2.63	2.56	2.09	2.46	4.88	2.56
253782	CERS6	18.07	7.93	11.95	5.24	10.3	8.32
253827	MSRB3	0.22	0.04	0.68	0.17	0.02	0.11
253832	ZDHHC20	50	35.36	34.43	32.55	33.27	42.76
2539	G6PD	321.48	204.47	268.39	147.28	159.52	233.13
253935	ANGPTL5	0	0	0	0.04	0	0
253943	YTHDF3	35.97	29.24	20.85	25.82	23.43	34.53
253959	RALGAPA1	21.12	11.52	6.56	10.06	9.68	15.92
253980	KCTD13	29.9	22.84	19.36	21.66	25.78	27.85
253982	ASPHD1	0.06	0.11	0	0	0	0.11
254013	ETFBKMT	0.13	0.29	0.13	0.22	0.75	0.62
254042	METAP1D	0.93	0.92	2.08	1.26	1.02	1.45
254048	UBN2	3.73	2.29	1.49	1.9	3.94	2.73
254050	LRRC43	0.21	0.63	0	0.23	0.28	0.15
254065	BRWD3	8.37	4.66	2.47	3.8	6	5.97
254102	EHBP1L1	60.71	45.78	51.15	31.56	46.53	65.08
254122	SNX32	0.54	0.75	2.43	1.15	1.91	1.78
254158	CXorf58	0	0	0.15	0	0	0
254170	FBXO33	25.15	23.86	16.23	21.54	18.02	22.06
254173	TTLL10	0.37	0.15	0.14	0.26	0.25	0.11
2542	SLC37A4	21.66	18.05	33.72	13.12	32.5	27.75
254225	RNF169	11.69	4.2	2.86	4.97	5.32	6.06
254228	CALHM5	0	0.01	0	0.01	0	0.02
254251	LCORL	8.39	4.75	4.67	4.32	7.95	5.74
254263	CNIH2	4.87	4.01	2.13	5.79	2.31	4.26
254268	AKNAD1	0	0	0	0.03	0	0
254295	PHYHD1	0.2	0.2	0.48	0.45	0.91	1.23
254359	ZDHHC24	51.01	46.48	47.48	34.16	40	55.94
254394	MCM9	17.5	12.76	7.38	11.43	8.05	12.86
254427	PROSER2	0	0.06	0.06	0.05	0.8	0
254428	SLC41A1	15.86	11.55	8.31	11.57	10.63	16.88
254528	MEIOB	0	0	0.12	0	0	0

254531	'LPCAT4'	38.21	46.4	52.76	32.28	67.5	81.13
254552	'NUDT8'	18.62	27.17	33.02	18.38	25.15	16.04
2547	'XRCC6'	361.82	247.84	385.1	266.13	194.36	305.34
254773	'LYG2'	0.05	0	0	0.14	0.04	0.17
254778	'VXN'	0.57	0.86	0.21	0.2	1.75	1.18
2548	'GAA'	17.17	15.99	17.74	11.71	27.22	16.98
254863	'TMEM256'	138.66	239.02	212.02	176.34	202.58	174.92
254887	'ZDHHC23'	0.44	0.75	0.72	0.67	1.76	1.78
2549	'GAB1'	2.64	1.2	0.51	0.62	0.63	0.8
2550	'GABBR1'	3.39	4.08	3.58	3.86	6.16	14.29
255022	'CALHM1'	0.48	0.39	0.86	0.36	1.34	0.1
255027	'MPV17L'	4.04	1.27	0.96	2	2.45	1.74
255043	'TMEM86B'	14.38	19.14	12.33	11.71	11.38	12.89
255057	'CBARP'	0.11	0.06	0.03	0.03	0.36	0.25
255061	'TAC4'	0.39	0	0	0	0	0.34
2551	'GABPA'	27.29	18.09	17.79	15.96	19.39	21.43
255101	'CFAP65'	0	0.12	0	0.01	0	0
255104	'TMCO4'	13.64	12.65	15.9	9.07	13.72	18.75
255119	'CFAP299'	0	0	0	0	1.29	0.05
255189	'PLA2G4F'	0	0	0	0	0.02	0.04
255231	'MCOLN2'	25.93	21.1	21.7	18.53	21.86	20.86
255239	'ANKK1'	0.15	0.04	0.09	0.27	0.18	0.41
255252	'LRRC57'	24.73	12.79	10.83	11.5	9.48	14.27
2553	'GABPB1'	29.29	28.53	31.34	17.53	22.11	30.87
255308	'EIF2S3B'	0.13	0.05	0	0.11	0.25	0
255324	'EPGN'	0.31	0.14	0.33	0.07	0.08	0.41
255349	'TMEM211'	0	0	0.06	0	0	0
255374	'MBLAC1'	6.8	5.61	5.27	6.55	3.1	5.24
255394	'TCP11L2'	5.46	3.63	1.99	5.42	9.15	6.29
255403	'ZNF718'	2.77	2.29	0.9	2.04	5.29	1.23
255411	'TEX49'	0	0.01	0.06	0.06	0.03	0
255488	'RNF144B'	0.15	0.06	0.29	0.24	0.42	0.19
255520	'ELMOD2'	14.65	12.6	8.45	9.66	12.43	9.58
255631	'COL24A1'	0	0.03	0.04	0.01	0.03	0.63
255738	'PCSK9'	0.03	0	0.1	0	0	0
255758	'TCTEX1D2	15.94	25.74	30.23	16.36	15.8	25.45
255762	'PDZD9'	0	0	0	0	0.11	0
255783	'INAFM1'	24.72	25.47	21.95	23.88	37.71	23.9
255798	'SMCO1'	0.15	0	0.06	0.16	0	0.2
2558	'GABRA5'	0	0	0	0	0	0.05
255809	'C19orf38	6.03	7.82	1.88	1.85	1.52	1.87
255877	'BCL6B'	0.32	0.38	0.59	0.2	0.34	0.25
255919	'CNEP1R1'	18.93	13.98	12.08	14.21	15.71	14.89
255928	'SYT14'	0	0	0	0.01	0	0
255967	'PAN3'	33.99	28.65	16.16	22.47	19.35	24.55
2560	'GABRB1'	0	0.01	0	0.01	0	0
256006	'ANKRD31'	0.06	0	0.05	0.06	0.04	0.09
256051	'ZNF549'	4.36	4.59	2.68	3.5	4.23	5.58
256076	'COL6A5'	0.07	0.06	0.07	0	0	0
256126	'SYCE2'	5.39	4.83	6.91	3.33	7.75	2.23
256158	'HMCN2'	0.01	0	0	0	0	0.01
2562	'GABRB3'	0	0	0.02	0	0	0.02
256223	'CDRT15L2	0.3	0	0	0.21	0.12	0
256227	'STEAP1B'	2.38	1.29	2.03	1.35	0.8	1.79

256281	'NUDT14'	25.92	34.12	23.87	20.37	40.25	24.89
2563	'GABRD'	0	0	0.05	0	0	0
256302	'NATD1'	8.31	5.54	1.97	4.89	16.12	7.5
256309	'CCDC110'	0.05	0.04	0.07	0	0.23	0.22
256329	'LMNTD2'	1.84	2.45	1.25	1.7	3.84	3.05
256356	'GK5'	19.04	12.95	7.51	9.42	11.99	12.5
256364	'EML3'	62.88	54.39	46.19	36.58	57.08	57.65
256380	'SCML4'	7.23	5.27	5.77	9.69	17.51	8.69
256394	'SERPINA1	0	0.07	0.07	0.1	0	0
2564	'GABRE'	0	0	0	0.04	0	0
256435	'ST6GALNA	0.14	0.06	0.1	0.2	0.13	0.39
256471	'MFSD8'	7.31	6.37	4.63	5.48	10.96	9.14
256472	'TMEM151A	0.1	0	0.04	0.04	0	0.32
256536	'TCERG1L'	0	0.08	0.19	0.07	0.51	0.13
256586	'LYSMD2'	16.94	16.9	18.27	24.34	14.78	20.1
256643	'BCLAF3'	3.8	2.9	1.64	2.46	4.26	2.69
256646	'NUTM1'	0	0	0	0	0	0.08
256691	'MAMDC2'	0.55	0.07	0.03	0.15	0	0
2567	'GABRG3'	0	0	0	0.03	0	0
256710	'GLIPR1L1	0.3	0.87	0.42	0.47	1.03	0.36
256714	'MAP7D2'	0.22	0.23	0.05	0.07	0.34	0.27
256764	'WDR72'	0	0	0	0	0.03	0
256815	'C10orf67	0	0	0	0	0.1	0.04
256933	'NPB'	0	0	0	0	0.29	0
256949	'KANK3'	1.07	1.85	1.67	0.52	4.12	2.3
256957	'HEATR9'	7.4	9.91	4.05	11.29	9.54	8.59
256979	'SUN3'	0	0	0.08	0	0	0.1
256987	'SERINC5'	6.43	3.31	4.79	3.92	5.76	9.72
257	'ALX3'	0.97	0.63	0.57	1.12	0.98	1.4
2570	'GABRR2'	1.29	0.73	0.42	0.81	1.1	1.74
257019	'FRMD3'	0.35	0.09	0.14	0.23	0.1	0.44
257044	'CATSPERE	0.23	0.15	0	0.26	0.44	0.36
257062	'CATSPERD	0.06	0	0.04	0.07	0	0
257068	'PLCXD2'	17.85	5.2	1.63	4.22	2.91	4.24
2571	'GAD1'	0.17	0.09	0.48	0.03	0.18	0.21
257101	'ZNF683'	15.27	11.34	37.2	9.05	10.83	19.31
257106	'ARHGAP30	252.03	163.48	154.9	151.11	182.64	209.21
257144	'GCSAM'	0.6	0.54	2.55	1.01	8.04	1.88
257160	'RNF214'	9.94	10.47	12.63	7.57	15.25	18.27
257169	'C9orf43'	0.61	0.22	0.47	0.44	1.41	0.48
257177	'CFAP126'	0	0	0	0.64	0.24	0.46
257194	'NEGR1'	0.15	0.22	0.23	0.11	0.23	0.37
257218	'SHPRH'	10.27	5.36	3.39	4.92	4.75	6.54
257236	'CCDC96'	1.68	1.37	0.74	1.79	0.68	2.46
257240	'KLHL34'	0.1	0.03	0.03	0.02	0.05	0.06
257313	'UTS2B'	0.06	0	0.08	0.08	0.09	0.15
257364	'SNX33'	2.65	1.75	1.79	1.74	4.08	2.85
257397	'TAB3'	20.89	12.8	9.08	10.6	14.3	15.29
257407	'C2orf72'	0	0	0.05	0	0.41	0
257415	'FAM133B'	39.3	41.62	36.43	40.12	26.54	45.1
25758	'KIAA154	0.02	0	0	0.02	0.08	0.01
25759	'SHC2'	0	0	0.14	0.1	0.17	0
257629	'ANKS4B'	0	0	0	0.02	0	0.03
25764	'HYPK'	17.59	16.6	21.87	17.92	9.15	19.68

25766	'PRPF40B'	1.33	1.4	1.36	0.9	1.71	2.73
25771	'TBC1D22A	27.19	27.99	21.19	18.31	35.96	26.98
25775	'C22orf24	0.12	0.27	0.09	0.08	0	0.1
25776	'CBY1'	3.52	3.08	3.62	5.13	10.33	5.47
25777	'SUN2'	387.99	232.92	228.09	182.32	288.56	283.47
25778	'DSTYK'	5.9	5.47	3.25	4.67	4.9	5.18
25780	'RASGRP3'	8.59	3.82	3.53	4.95	3.2	9.5
25782	'RAB3GAP2	16.01	9.47	8.19	11.05	12.69	13.54
25788	'RAD54B'	3.02	2.75	4.55	1.9	3.96	2.91
25789	'TMEM59L'	0	0.07	0.13	0.06	0	0
25790	'CFAP45'	0.74	1.18	1.33	1.36	0.87	1.04
25791	'NGEF'	0.05	0	0	0	0	0
25792	'CIZ1'	143.62	106.35	96.98	76.38	106.85	117.03
25793	'FBXO7'	190.41	163.98	160.13	146.3	151.98	200.79
25794	'FSCN2'	0.28	0.07	0.1	0.12	0.24	0.11
25796	'PGLS'	91.3	103.25	117.6	83.94	88.89	123
25797	'QPCT'	1.24	0.38	0.68	1.22	0.84	0.29
25798	'BRI3'	111.51	79.39	74.02	114.25	136.8	94.98
25799	'ZNF324'	8.21	4.52	3.11	3.67	6.49	6.25
2580	'GAK'	88.99	61.52	58.84	42.67	64.34	75.29
25800	'SLC39A6'	50.66	34.33	31.62	29.87	42.15	37.59
25801	'GCA'	1	1.06	2.65	2.59	2.19	5.31
258010	'SVIP'	55.05	43.8	67.25	65.48	39.26	38.54
25802	'LMOD1'	0	0.02	0	0	0	0
25803	'SPDEF'	0.29	0.22	0.22	0.6	0.06	1.38
25804	'LSM4'	109.58	114.26	159.09	80.34	67.96	91.73
25805	'BAMBI'	0.33	0.94	0.49	0.92	0.13	0.87
25806	'VAX2'	1.99	0.2	1.28	0	0.21	0.37
25807	'RHBDD3'	28.16	19.4	15.13	14.65	21	23.45
25809	'TTLL1'	6.86	5.07	13.12	2.79	11.09	6.86
2581	'GALC'	17.03	15.22	18.46	12.19	18.53	19.51
25813	'SAMM50'	44.83	47.62	66.17	34.54	45.86	56.33
25814	'ATXN10'	27.05	19.76	31.15	22.18	15.56	35.5
25816	'TNFAIP8'	72.75	57.13	88.44	68.67	107.04	122.51
25817	'TAFA5'	0	0	0	0	0.04	0
25819	'NOCT'	8.37	4.09	4.28	4.23	2.81	12.68
2582	'GALE'	31.71	28.53	40.08	17.34	22.44	25.12
25820	'ARIH1'	7.97	6.2	4.95	5.35	5.92	9.35
25821	'MTO1'	7.42	4.58	6.87	5.42	6.19	7.77
25822	'DNAJB5'	1.68	1.7	3.26	1.12	4.68	3.73
25823	'TPSG1'	0.22	0	0.61	0	0	0
25824	'PRDX5'	365.45	379.39	519.76	472.99	371.97	485.89
25825	'BACE2'	0.34	0.11	1.65	0.19	0.94	0.18
25827	'FBXL2'	1.14	0.55	0.44	0.75	0.36	0.46
25828	'TXN2'	73.45	79.71	124.89	81.91	102.53	98.64
25829	'TMEM184B	43.51	27.43	31.67	21.29	35.89	45.69
2583	'B4GALNT1	5.72	4.92	4.02	1.49	6.94	3.63
25831	'HECTD1'	33.7	21.32	15.63	16.77	16.08	24.58
25832	'NBPF14'	12.45	7.38	7.89	5.66	7.18	10.64
25834	'MGAT4C'	0.17	0.12	0.09	0.06	0.07	0.13
25836	'NIPBL'	30.15	14.56	13.13	12.38	17.79	21.22
25837	'RAB26'	0.25	1.01	0.5	0.54	4.72	0.44
25839	'COG4'	22.1	19.58	31.34	14.68	41.77	39.79
2584	'GALK1'	17	23.56	35.41	12.88	28.38	27.52

25840	'METTL7A'	3.29	2.12	4.61	2.87	7.89	3.07
25841	'ABTB2'	5.72	4.09	4.54	0.85	2.64	2.65
25842	'ASF1A'	17.8	14.08	36.01	18	26.51	57.01
25843	'MOB4'	16.9	17.7	17.45	15.56	18.13	22.94
25844	'YIPF3'	127.11	115.61	124.8	100.83	128.37	158.26
25847	'ANAPC13'	49.72	55.01	50.22	48.02	36.72	79.81
25849	'PARM1'	0.02	0.04	0.09	0.03	0.1	0.63
2585	'GALK2'	8.78	9.53	19.05	10.04	21.27	21.55
25850	'ZNF345'	2.8	1.99	1.03	1.87	5.46	2.06
25851	'TECPR1'	16.27	11.46	12.45	7.29	11.4	15.62
25852	'ARMC8'	24.14	20.47	16.48	19	14	21.03
25853	'DCAF12'	29.53	18.48	26.05	14	24.7	19.75
25854	'FAM149A'	0.05	0.11	0.11	0.01	0	0.09
25855	'BRMS1'	77.92	85.42	88.73	81.84	67.16	101.95
25858	'CATSPER2	0	0	0.17	0.32	0.18	0
25861	'WHRN'	4.12	4.68	1.24	10.54	28.53	8.68
25862	'USP49'	5.21	2.53	1.53	1.58	3.7	2.06
25864	'ABHD14A'	35.89	46.77	39.28	36.14	60.97	40.61
25865	'PRKD2'	54.54	57.43	50.94	42.46	50.18	83.87
2587	'GALR1'	0	0	0	0	0	0.09
25870	'SUMF2'	76.93	65.46	96.51	68.44	98.23	103.83
25871	'NEPRO'	34.72	29.13	21.93	24.74	25.31	27.98
25873	'RPL36'	850.15	1428.2	1325.2	2023.35	1596.92	1339.33
25874	'MPC2'	75.87	89.61	92.56	90.93	68.93	77.77
25875	'LETMD1'	32.6	36.9	30.91	34.69	58.82	37.19
25876	'SPEF1'	0	0	0	0.19	0.07	0.08
25879	'DCAF13'	33.81	28.18	38.54	23.31	19.04	31.53
2588	'GALNS'	17.72	13.54	12.48	12.62	16.98	27.46
25880	'TMEM186'	5.7	5.45	6.25	6.24	11.54	5.96
25885	'POLR1A'	18.62	6.67	5.83	6.81	3.54	7.89
25886	'POC1A'	13.82	10.81	32.02	7.68	14.53	11.54
25888	'ZNF473'	10.34	6	5.6	6.8	6.53	6.16
2589	'GALNT1'	42.37	29.62	29.31	28.49	28.74	32.33
25890	'ABI3BP'	0.02	0	0.04	0.02	0.05	0.08
25893	'TRIM58'	0.72	0.29	0.48	0.15	0.09	0.18
25894	'PLEKHG4'	3.87	1.97	1.79	1.14	4.73	3.37
25895	'EEF1AKMT	1.79	2.57	1.66	2.04	4.64	2.95
25896	'INTS7'	24.3	11.41	12.76	12.32	15.17	16.45
25897	'RNF19A'	52.53	47.55	24.46	60.23	50.63	61.28
25898	'RCHY1'	16.01	11.29	9.16	11.21	13.7	13.42
259	'AMBP'	0	0	0	0	0	0.1
2590	'GALNT2'	15.31	10.05	12.84	9.87	26.12	16.13
25900	'IFFO1'	34.68	32.57	22.67	25.31	25.88	35.93
25901	'CCDC28A'	34.17	24.24	28.52	27.13	46.74	26.49
25902	'MTHFD1L'	17.84	9.37	26.79	9.78	12.41	13.49
25903	'OLFML2B'	0	0	0	0	0	0.06
25904	'CNOT10'	21.42	18.62	26.11	18.58	31.91	28.45
25906	'ANAPC15'	68.37	57.03	98.48	63.53	27.8	54.26
25907	'TMEM158'	0.23	0.17	0.28	0.16	0.12	0.2
25909	'AHCTF1'	18.76	12.09	10.13	9.21	9.27	14.68
2591	'GALNT3'	20.52	14.62	14.67	13.29	14.46	17.51
25911	'DPCD'	2.2	3.86	3.39	2.48	8.38	1.21
25912	'C1orf43'	203.75	169.85	159.95	189.66	183.21	201.09
25913	'POT1'	10.36	8.78	11.56	7.69	16.05	11.61

25914	'RTTN'	17.85	9.53	6.96	7.17	5.75	7.52
25915	'NDUFAF3'	75.22	68.88	129.05	40.57	60.7	106.22
25917	'THUMPD3'	18.15	11.47	15.51	13.78	16.4	18.59
259173	'ALS2CL'	0.15	0.56	0.62	0.32	0.8	1.56
259197	'NCR3'	250.62	385.6	426.02	338.39	293.87	248.56
2592	'GALT'	16.42	15.4	22.6	7.92	20.4	25.43
25920	'NELFB'	55.74	54	59.54	38.15	49.2	60.75
25921	'ZDHHC5'	53.49	37.14	38.21	31.81	40.25	50.3
259217	'HSPA12A'	0.01	0	0	0	0	0.01
25923	'ATL3'	13.71	10.82	12.37	9.47	13.95	12.53
259230	'SGMS1'	19.31	17.19	18.12	14.2	16.68	21.12
259236	'TMIE'	0	0.12	0.35	0.04	0.06	0.48
25924	'MYRIP'	0	0	0.02	0	0.02	0.02
25925	'ZNF521'	0.03	0	0.44	0	0	0
25926	'NOL11'	31.72	25.51	22.68	27.2	15.24	22.61
259266	'ASPM'	45.57	13.23	22.71	10.21	5.92	9.57
25927	'CNRIP1'	0.09	0	1.65	0	0	0
259282	'BOD1L1'	23.55	11.72	8.67	9.61	13.71	14.77
259289	'TAS2R43'	0.46	0.35	0	0.11	0.36	0.67
25929	'GEMIN5'	5.81	2.91	4.47	2.8	4.15	4.02
259290	'TAS2R31'	0.31	0.12	0	0.33	0.6	0.27
259291	'TAS2R45'	0.18	0.84	0.27	0.39	0.29	0.32
259292	'TAS2R46'	0	0.67	0.26	0.25	0.41	0.31
259293	'TAS2R30'	0	0.13	0	0.24	0.13	0
259294	'TAS2R19'	1.43	1.81	0.24	0.56	1.49	0.42
259295	'TAS2R20'	0.28	0.51	0.55	1.03	0.75	0.15
259296	'TAS2R50'	0.16	0	0.12	0.22	0	0.28
2593	'GAMT'	5.86	9.79	9.8	6.01	30.86	9.88
25930	'PTPN23'	34.67	18.98	12.65	13.69	21.23	22.18
259307	'IL4I1'	8.2	4.9	3.37	9.38	1.62	30.23
25932	'CLIC4'	24.86	9.09	8.55	4.68	9.91	11.17
25934	'NIPSNAP3	11.3	9.86	11.48	9.5	9.62	9.61
25936	'NSL1'	12.24	9.99	17.02	10.12	22.68	16.7
25937	'WWTR1'	0.27	0.32	0.57	0.44	0.93	1.12
25938	'HEATR5A'	2.13	1.38	1.07	1.11	1.11	1.51
25939	'SAMHD1'	58.23	35.16	74.45	46.86	59.05	132.33
25940	'FAM98A'	29.21	19.34	24.56	18.03	15.7	26.24
25941	'TPGS2'	90.97	65.08	109.1	48.84	77.41	75.76
25942	'SIN3A'	34.34	21.8	20.81	19.29	29.13	25.44
25943	'C20orf19	3.09	2.84	1.45	1.54	2.17	4.59
25945	'NECTIN3'	5.83	3.7	3.87	2.78	5.7	5.71
25946	'ZNF385A'	3.8	3.84	1.82	6.75	7.21	5.22
25948	'KBTBD2'	76.18	66.57	48.76	58.01	42.45	68.5
25949	'SYF2'	85.26	93.26	80.01	99	99.44	98.56
2595	'GANC'	6.55	3.45	5.5	3.85	7.02	9.01
25950	'RWDD3'	9.17	10.61	7.59	10.45	13.4	7.77
25953	'PNKD'	61.35	97.51	117.9	92.54	113.09	83.05
25956	'SEC31B'	22.58	25.8	20.85	33.04	52.71	36.39
25957	'PNISR'	70.76	49.05	38.14	52.17	71.16	65.3
25959	'KANK2'	0.6	0.48	0.57	0.18	3.53	0.4
2596	'GAP43'	0	0	0	0.07	0	0
25960	'ADGRA2'	0.11	0.13	0.13	0.06	0.21	0.08
25961	'NUDT13'	1.05	1.27	1.36	0.66	0.44	2.48
25962	'VIRMA'	27.42	17.91	15.06	15.83	18.91	23.21

25963	'TMEM87A'	77.48	55.01	35.32	54.92	29.26	54.04
25966	'C2CD2'	1.89	1.45	0.74	0.97	1.11	1.07
2597	'GAPDH'	11336	12725	9324.5	8952.61	18590.33	6521.98
25970	'SH2B1'	29.33	28.24	22.1	17.41	33.38	30.17
25972	'UNC50'	28.45	27.04	26.5	23.47	26.72	31.08
25973	'PARS2'	1.46	0.89	1.21	1.89	4.57	1.72
25974	'MMACHC'	1.18	0.88	1.07	0.65	1.14	0.96
25975	'EGFL6'	16.46	5.41	23.32	7.48	7.94	8.04
25976	'TIPARP'	185.47	151.69	39.85	203.46	53.46	118.79
25977	'NECAP1'	23.54	23.19	17.89	24.24	16.71	28.58
25978	'CHMP2B'	39.75	33.33	28.31	35.92	29.57	41.26
25979	'DHRS7B'	8.74	6.28	10.97	5.42	7.14	8.36
25980	'AAR2'	46.47	34.45	36.84	28.11	29.38	42.08
25981	'DNAH1'	8.56	3.85	2.28	2.38	3.36	5
25983	'NGDN'	50.5	53.39	62.7	60.95	40.41	69.04
25987	'TSKU'	0.04	0.08	0.04	0.08	0.08	0.06
25988	'HINFP'	16.72	10.47	7.9	12.98	15.92	11.12
25989	'ULK3'	58.37	55.11	49.96	39.69	51.68	70.56
25992	'SNED1'	0.96	0.74	0.33	1.05	1.26	1.15
25994	'HIGD1A'	51.33	39.78	59.87	41.21	22.58	49.42
25996	'REXO2'	39.88	31.04	54.97	33.1	57.35	58.31
25998	'IBTK'	16.14	12.48	13.81	9.53	13.55	16.57
25999	'CLIP3'	0.71	0.95	0.82	0.51	3	2.31
26	'AOC1'	0	0	0.37	0	0	0.05
26000	'TBC1D10E	69.09	45.96	58.53	37.58	50.87	58.64
26001	'RNF167'	242.64	249.82	338.98	210.82	250.45	385.06
26002	'MOXD1'	0.04	0	0.03	0.03	0	0.38
26003	'GORASP2'	118.77	88.81	78.57	80.51	95.27	94.71
26005	'C2CD3'	15.65	8.66	9.41	7.41	8.14	10.49
26007	'TKFC'	8.31	7.54	11.43	5.32	9.75	10.28
26009	'ZZZ3'	21.79	14.36	9.37	15.71	9.4	16.4
26010	'SPATS2L'	55.49	29.77	45.53	31.81	25.63	74.81
26011	'TENM4'	0.01	0.01	0	0.01	0	0
26012	'NSMF'	55.77	84.33	51.16	37.18	133.01	49.54
26013	'L3MBTL1'	2.2	2.68	0.91	1.67	1.24	1.48
26015	'RPAP1'	8.67	5.57	7.28	5.48	9.1	8.05
26017	'FAM32A'	104.33	105.2	121.5	89.51	110.59	116.28
26018	'LRIG1'	34.18	23.03	15.75	21.51	27.31	23.64
26019	'UPF2'	26.75	21.66	23.08	19.7	26.83	25.51
26020	'LRP10'	75.29	50.03	45.29	39.87	74.42	80.88
26022	'TMEM98'	0.24	0.55	0.66	1.98	0.31	0.58
26024	'PTCD1'	8.9	6.99	6.48	4.98	8.22	5.48
26025	'PCDHGA12	0.16	0.07	0	0	0.11	0
26027	'ACOT11'	1.41	1.13	1.08	0.7	1.45	0.97
26030	'PLEKHG3'	19	11.44	16.03	10.77	24.46	30.08
26031	'OSBPL3'	72.84	51.94	33.33	46.45	41.66	54.61
26032	'SUSD5'	0.03	0.06	0.06	0.02	0.04	0.05
26033	'ATRNL1'	0	0.01	0	0	0.18	0.07
260334	'TUBB8B'	0.1	0	0	0.07	0	0.09
26034	'IPCEF1'	5.86	6.04	3.84	5.79	6.74	7.65
26035	'GLCE'	1.05	1.15	1.92	1.2	3.72	1.62
26036	'ZNF451'	22.97	15.23	12.28	14.44	15.76	19.35
26037	'SIPA1L1'	23.5	13.94	12.16	13.69	11.94	16.39
26038	'CHD5'	0.26	0.09	0.05	0.03	0.08	0.09

26039	'SS18L1'	7.98	5.25	5.27	5.39	10.39	8.27
26040	'SETBP1'	13.38	5.07	2.63	7.05	8.65	4.08
260425	'MAGI3'	0.87	0.36	0.88	0.53	0.89	1.99
260429	'PRSS33'	0.09	0.13	0.26	0	0	0
26043	'UBXN7'	8.69	5.29	3.09	4.51	6.87	5.46
26045	'LRRTM2'	0.04	0.03	0.03	0.06	0.02	0.12
26046	'LTN1'	13.24	9.92	10.24	9.81	13.52	13.03
26047	'CNTNAP2'	0.01	0	0.01	0.01	0	0
26048	'ZNF500'	7.01	5.89	3.57	4.08	7.82	5.41
26049	'FAM169A'	7.09	3.14	1.71	2.26	1.32	3.16
26050	'SLITRK5'	0	0.04	0	0.03	0	0
26051	'PPP1R16E	142.16	72.23	39.26	75.16	60.93	57.97
26052	'DNM3'	1.05	0.94	1.54	1.43	2.68	1.49
26053	'AUTS2'	19.3	15.27	6.68	21.39	24.33	29.93
26054	'SENP6'	48.17	38.89	27.37	41.28	29.69	38.55
26056	'RAB11FIF	10.84	9.78	6.41	7.17	21.74	25.85
26057	'ANKRD17'	33.95	17.67	15.4	17.21	20.15	25.59
26058	'GIGYF2'	18.44	11.55	10.43	10.58	15.91	14.17
26059	'ERC2'	0.78	0.66	0.74	0.18	0.69	0.39
26060	'APPL1'	23.98	11.81	12.76	11.39	20.85	12.3
26061	'HACL1'	21.67	17.57	26.71	14.46	14.23	20.44
26063	'DECR2'	2.56	2.63	3.06	3.97	1.99	5.12
26064	'RAI14'	0	0	0.06	0.02	0.02	0.25
26065	'LSM14A'	119.72	87.35	81.76	83.11	90.33	106.28
26071	'RTL8A'	30.31	26.8	32.15	25.52	55.06	27.07
26073	'POLDIP2'	69.6	58.92	79.88	55.77	46.77	77.69
26074	'CFAP61'	0.07	0.11	0	0.05	0	0
26084	'ARHGEF26	0.19	0.09	0	0.03	0.05	0
26086	'GPSM1'	1.51	1.49	1.71	1.2	5.4	2.31
26088	'GGA1'	84.42	96.38	54.81	49.63	108.74	76.72
26090	'ABHD12'	54.45	49.6	52.14	39.98	52.38	55.92
26091	'HERC4'	11.21	10.61	13.84	8.99	24.3	19.71
26092	'TOR1AIP1	56.1	39.73	46.44	33.32	44.43	58.96
26093	'CCDC9'	28.52	20.84	20.81	19.73	21.01	28.11
26094	'DCAF4'	15.59	15	7.44	16.66	4.62	8.96
26095	'PTPN20'	0.07	0.09	0.09	0.05	0	0.18
26097	'CHTOP'	54.12	44.43	53.13	46.13	45.42	55.96
26098	'EDRF1'	13.58	8.93	5.44	8.31	7.48	7.81
26099	'SZRD1'	132.15	95.27	109.75	89.93	100.6	121.03
26100	'WIPI2'	37.1	29.94	28.57	30.67	37.6	36.88
26108	'PYGO1'	0	0	0	0.01	0	0
26112	'CCDC69'	142.37	98.93	118.65	85.16	87.65	135.67
26115	'TANC2'	2.2	1.31	0.85	1.64	3.26	2.21
26118	'WSB1'	53	62.21	41.42	50.58	82.29	60.11
26119	'LDLRAP1'	12.39	8.67	9.29	10.33	21	25.37
26121	'PRPF31'	74.12	69.6	78.5	57.01	51.3	73.45
26122	'EPC2'	31.85	22.17	14.94	20.11	13.48	25.89
26123	'TCTN3'	21.5	14.99	20.63	13.22	11.33	31.06
26127	'FGFR1OP2	66.81	54.97	61.75	53.2	97.72	83.01
26128	'KIFBP'	17.85	15.03	13.15	16.23	13.08	11.02
26130	'GAPVD1'	17.26	10.58	9.61	9.56	13.7	14.31
26133	'TRPC4AP'	64.87	46.75	46.23	43.48	62.25	58.82
26135	'SERBP1'	81.94	53.19	93.21	60.97	62.69	77.08
26136	'TES'	93.4	57.74	69.54	52.38	89.85	78.77

26137	ZBTB20	0.58	0.19	0.19	0.25	0.28	0.36
26140	TTLL3	6.5	6.88	2.31	3.79	5.73	4.1
26145	IRF2BP1	21.63	17.62	15.59	15.2	22.38	17.12
26146	TRAF3IP1	4.04	3.18	2.19	4.13	3.7	4.91
26147	PHF19	159.91	100.24	169	88.34	66.61	131.08
26149	ZNF658	0.47	0.31	0.42	0.48	1.98	1.07
2615	LRRC32	0.06	0.07	0.22	0.09	0.26	0.46
26150	RIBC2	1.56	1.23	2.74	0.42	4.14	0.36
26151	NAT9	12.71	14.71	10.47	14.07	11.05	14.74
26152	ZNF337	12.85	14.68	7.52	10.87	26.08	15.43
26153	KIF26A	0.33	0.11	0.06	0.15	0	0
26154	ABCA12	0.02	0	0	0	0	0.01
26155	NOC2L	63.31	45.97	59.14	37.21	41.97	59.88
26156	RSL1D1	48.48	44.44	46.36	49.14	43.71	46.76
26157	GIMAP2	25.51	32.67	32.33	33.22	153.02	61.81
26160	IFT172	2.42	2.45	2.9	1.68	4.82	2.67
26164	MTG2	13.35	10.54	9.64	11.29	13.37	13.89
26167	PCDHB5	0	0	0.03	0.05	0	0
26168	SENP3	43.26	34.5	40.25	22.83	23.73	41.55
2617	GARS1	173.46	78.43	201.05	83.41	108.76	130.66
261726	TIPRL	45.58	35.6	46.8	33.85	32.1	43.76
261729	STEAP2	0.04	0.03	0.01	0.02	0.03	0.05
26173	INTS1	47.42	26.78	24.3	14.89	24.14	26.45
261734	NPHP4	8.16	6.45	4.47	3.86	11.52	6.89
26175	TMEM251	3.3	1.97	2.89	3.52	2.63	3.12
2618	GART	25.16	9.92	33.72	11.21	16.76	28.15
2619	GAS1	0.73	0.22	0.33	0.63	0.48	0.5
26190	FBXW2	19.15	14.7	14.43	12.83	15.32	16.73
26191	PTPN22	115.11	79.53	62.66	76.55	111.48	94.93
262	AMD1	78.31	47.97	53.23	56.85	28.05	52.95
2620	GAS2	0.1	0.19	0.12	0.18	0.44	0.31
26205	GMEB2	25.21	18.41	15.74	14.89	15.73	18.75
26206	SPAG8	0.18	0.27	0.56	0.22	1.64	0.43
26207	PITPNC1	35.06	27.84	21.02	35.8	34.94	35.12
2621	GAS6	0.31	0.2	0.47	0.11	0.49	3.68
26212	OR2B6	0	0	0.13	0	0	0.15
2622	GAS8	1.36	1.33	1.39	1.22	1.55	2
26224	FBXL3	48.63	41.83	30.04	34.98	46.36	46.88
26225	ARL5A	28.62	20.09	22.83	19.33	20.52	24.9
26227	PHGDH	100.59	37.03	157.67	18.86	49.27	15.89
26228	STAP1	22.27	20.91	34.56	9.85	8.25	14.27
26229	B3GAT3	80.46	90.11	76.63	75.73	78.49	76.72
2623	GATA1	0.35	0.26	3.48	0	0.09	0.1
26230	TIAM2	3.58	1.14	1.02	1.34	0.29	1.12
26231	LRRC29	0.84	0.74	0.94	0.4	3.5	1.2
26232	FBXO2	20.21	26.43	11.62	33.03	28.01	58.22
26233	FBXL6	25.79	28.74	35.92	17.21	27.75	35.55
26234	FBXL5	36.94	37.27	34.15	38.79	36.86	46.21
26235	FBXL4	3.04	3.14	2.28	4.1	8.15	4.9
2624	GATA2	0.41	0.21	9.29	0.28	0.03	1.19
26240	FAM50B	6.73	4.78	7.17	7.25	10.91	17.4
26246	OR2L2	0.14	0	0	0	0	0
26248	OR2K2	0.11	0	0	0	0	0
26249	KLHL3	1.19	0.67	0.46	0.5	1.37	0.89

2625	'GATA3'	105.2	86.5	70.98	78.96	65.29	109.93
26251	'KCNG2'	0.17	0.11	0.11	0.17	0.23	0.26
26256	'CABYR'	0.81	1.36	0.35	1.01	1.53	1.41
26258	'BLOC1S6'	33.99	21.85	23.5	24.83	29.53	28.79
26259	'FBXW8'	8.62	5.6	5.25	4.63	7.72	7.07
26260	'FBXO25'	36.34	35.3	32.02	37.37	29.75	38.73
26261	'FBXO24'	0.71	0.48	0.29	0.15	0.38	0.09
26262	'TSPAN17'	41.29	42.21	35.45	39.72	31.51	54.66
26263	'FBXO22'	8	5.88	12.34	5.01	20.82	11.05
26266	'SLC13A4'	0	0	0	0	0.06	0
26267	'FBXO10'	3.62	2.74	2.66	2.23	2.46	7.3
26268	'FBXO9'	28.44	27.9	23.78	22.56	30.2	27.89
26269	'FBXO8'	10.26	9.49	8.98	9.66	11.53	13.27
2627	'GATA6'	0.07	0.56	0.08	0.76	0.16	0.58
26270	'FBXO6'	93.63	80.85	102.07	56.27	65.77	119.61
26271	'FBXO5'	41.16	39.15	50.98	24.51	52.56	33.5
26272	'FBXO4'	14.54	12.69	21.23	10.84	11.15	13.61
26273	'FBXO3'	15.6	13.05	8.65	10.72	14.72	16.52
26275	'HIBCH'	5.02	4.96	10.46	5.29	8.26	10.74
26276	'VPS33B'	14.2	13.35	11.5	10.82	11.23	15.34
26277	'TINF2'	82.37	62.08	74.98	68.58	56.19	88.24
26278	'SACS'	11.41	5.13	5.45	5.5	5.74	5.09
26279	'PLA2G2D'	0	0	0.04	0.05	0	0.26
2628	'GATM'	0.06	0.07	0.13	0	0.62	0.05
26284	'ERAL1'	38.99	34.7	44.99	24.17	30.43	40.59
26286	'ARFGAP3'	39.12	28.23	31.67	28.95	52.53	34.48
26287	'ANKRD2'	0	0	0.39	0	0.23	0.11
26289	'AK5'	0.31	0.24	0.29	0.27	0.22	0.27
2629	'GBA'	78.83	54.45	87.1	44.26	74.89	101.43
26290	'GALNT8'	0.06	0.04	0.09	0.08	0	0.1
26292	'MYCBP'	23.98	19.91	34.3	22.49	18.19	31.32
26297	'SERGEF'	11.78	16.04	16.79	14.52	21	16.39
26298	'EHF'	0.02	0	0.02	0	0.02	0.04
26301	'GBGT1'	1.36	0.74	2.43	0.86	2.55	4.39
2631	'NIPSNAP2	34.18	34.19	33.36	24.77	26.17	36.99
2632	'GBE1'	19.09	18.73	11.52	12	47.65	7.78
2633	'GBP1'	23.26	10.68	56.48	21.84	29.98	96.26
26330	'GAPDHS'	0	0	0.07	0	0	0
26339	'OR5K1'	0	0.21	0	0	0	0
2634	'GBP2'	72.93	64.48	57.12	65.85	116.52	119.04
2635	'GBP3'	14.63	14.05	13.22	13.63	15.37	17.49
26354	'GNL3'	82.49	55.95	66.22	56.73	30.49	58.88
26355	'FAM162A'	11.12	18.21	14.99	16.6	48.18	10.32
2639	'GCDH'	15.6	15.51	21.02	12.9	13.97	17.94
2641	'GCG'	0	0	0	0	0.11	0
2642	'GCGR'	0	0	0	0	0	0.18
2643	'GCH1'	79.34	51.14	66.23	62.04	36.23	67.98
2644	'GCHFR'	32.23	52.57	41.44	50.15	98.81	34.51
2645	'GCK'	0.24	0.09	0	0	0.46	0
26468	'LHX6'	0	0	0	0	0.03	0.1
26469	'PTPN18'	109.2	91.63	107.72	55.35	112.06	92.53
2647	'BLOC1S1'	222.08	312.2	355	271.89	255	344.25
26470	'SEZ6L2'	0	0.03	0.06	0.05	0.06	0.07
26471	'NUPR1'	0.05	0.02	0.02	0.29	0.04	0.06

26472	'PPP1R14E	168.67	173.03	178.85	185.08	119.16	157.12
2648	'KAT2A'	22.24	19.93	24.45	14.52	13.43	26.32
2649	'NR6A1'	0.03	0.01	0.12	0.05	0.11	0.46
26499	'PLEK2'	0	0.07	0.21	0.07	0.07	0.08
2650	'GCNT1'	9.63	4.72	3.78	7.22	7.18	4.9
26502	'NARF'	69.43	59.39	62.89	58.21	178.62	88.49
26503	'SLC17A5'	5.43	4.15	2.4	7.2	7.56	6.78
26504	'CNNM4'	12.77	11.76	8.87	6.65	9.68	8.87
26505	'CNNM3'	22.19	13.84	15.72	10.6	19.74	17.33
26507	'CNNM1'	0	0	0	0.03	0	0
26508	'HEYL'	0.03	0.02	0.02	0.02	0.05	0
26509	'MYOF'	0.23	0.32	0.93	0.22	0.4	0.45
2651	'GCNT2'	0.42	0.44	0.77	0.67	0.36	0.68
26511	'CHIC2'	25.71	23.6	15.9	30.24	37.38	34.1
26512	'INTS6'	42.01	20.94	19	28.45	18.17	25.74
26515	'TIMM10B'	23.6	13.87	13.23	17.07	12.71	18.59
26517	'TIMM13'	37	41.51	56.05	49.31	27.9	47.89
26519	'TIMM10'	69.99	66.08	129.2	77.84	55.68	90.95
2652	'OPN1MW'	0	0.21	0.1	0	1.11	0.07
26520	'TIMM9'	21.61	24.36	31.02	28.9	26.55	34.49
26521	'TIMM8B'	34.25	32.36	48.56	24.94	27.5	39.09
26523	'AGO1'	9.47	5.07	5.09	4.29	8	6.61
26524	'LATS2'	18.74	9.01	8.72	4.62	10.39	8.53
26525	'IL36RN'	0	0	0	0	0.04	0
26528	'DAZAP1'	227.79	162.89	212.39	137.72	104.55	167.28
2653	'GCSH'	6.68	4.74	8.96	3.84	3.75	3.02
26534	'OR10G2'	0	0.32	0	0	0.11	0.12
26548	'ITGB1BP2	1.08	0.93	1.95	0.81	0.36	0.81
2657	'GDF1'	0	0	0.02	0	0	0.02
26574	'AATF'	89.06	74.55	106.43	77.65	90.73	111.56
26575	'RGS17'	0.17	0.09	0.19	0	0.63	0.09
26576	'SRPK3'	0	0	0.05	0.05	0	0.06
26578	'OSTF1'	244.44	181.58	238.93	198.21	280.39	348.72
26579	'MYEOV'	0.06	0	0.05	0	0	0.11
26580	'BSCL2'	34.71	33.91	42.9	27.48	48.26	43.32
26585	'GREM1'	0	0	0.02	0.02	0	0
26586	'CKAP2'	36.9	16.75	26.61	19.58	31.42	33.66
26589	'MRPL46'	21.15	19.69	28.02	25.2	22.39	34.99
26595	'OR8B2'	0	0	0	0	0	0.15
2660	'MSTN'	0	0.03	0.03	0.03	0	0.12
26608	'TBL2'	6.85	5.46	8.77	6.3	12.67	13.61
2661	'GDF9'	0.3	0.34	0.28	0.31	0.13	0.52
26610	'ELP4'	2.74	1.46	3.89	1.52	3.12	4
2662	'GDF10'	0	0	0.04	0	0.04	0
2664	'GDI1'	115.87	113.65	96.26	103.58	127.19	142.87
26648	'OR7E24'	0.78	1.18	1.27	0.76	0.48	1.22
2665	'GDI2'	145.03	92.91	196.55	113.17	153.65	171.38
266629	'SEC14L3'	0	0.04	0	0.03	0	0
266655	'BRD3OS'	5.26	4.7	5.01	5.71	7.8	6.47
266675	'BEST4'	0.57	0.65	0.88	0.68	1.65	1.1
266722	'HS6ST3'	0.05	0.07	0.03	0.03	0.02	0
266727	'MDGA1'	5.67	3.87	0.05	3.03	3.32	7.93
266743	'NPAS4'	0	0.17	0	0	0	0.05
266747	'RGL4'	24.2	43.18	51.42	32.32	24.4	22.1

266812	'NAP1L5'	4.83	5.01	8.1	5.69	5.27	8.35
26683	'OR4F3'	0	0.03	0	0	0.05	0.03
26687	'OR4E1'	0	0	0	0	0.33	0.12
26689	'OR4D1'	0	0	0.13	0.25	0	0
2669	'GEM'	2.02	4.66	1.66	0.66	1.27	2.33
267	'AMFR'	42.34	27.92	25.44	28.85	30.3	30.68
2670	'GFAP'	0	0.03	0	0.05	0	0.06
267002	'PGBD2'	4.12	3.12	2.73	3.08	7.19	3.97
267004	'PGBD3'	1.38	5.59	1.41	2.1	3.25	0.68
267020	'ATP5MGL'	0	0.17	0	0	0.17	0
2671	'GFER'	26.28	28.23	24.22	22.94	18.14	23.7
2672	'GFI1'	35.84	26.6	28.26	29.67	28.28	25.36
2673	'GFPT1'	20.3	9.75	13.27	11.6	12.06	14.79
26737	'OR1L1'	0.18	0	0	0	0	0
26740	'OR1J2'	0	0	0.02	0.07	0	0
26747	'NUFIP1'	6.1	5.98	4.5	4.83	3.37	5.55
2675	'GFRA2'	0	0	0	0	0	0.03
26750	'RPS6KC1'	5.5	5.39	4.76	4.73	4.78	9.12
26751	'SH3YL1'	13.68	14.34	15.52	9.31	29.4	19.08
2676	'GFRA3'	0	0.26	0.2	0	0	0
26762	'HAVCR1'	15.06	8.34	1.36	4.47	8.54	6.24
2677	'GGCX'	12.92	8.32	11	8.57	10.83	16.72
2678	'GGT1'	29.14	32.4	27.76	13.08	28.97	44.65
268	'AMH'	1.29	1.04	0.79	0	0.53	0.93
2683	'B4GALT1'	71.32	47.02	34.98	51.38	69.67	64.46
2686	'GGT7'	3.57	2.29	2.79	4.91	5.16	5.65
2687	'GGT5'	0.06	0.04	0.36	0.04	0	0
26872	'STEAP1'	1.72	0.56	0.37	0.52	0.67	0
26873	'OPLAH'	1.78	1	0.68	0.51	0.81	1.37
2688	'GH1'	0	0	0	0	0	0.47
2689	'GH2'	0	0	0	0	0	0.12
269	'AMHR2'	0	0	0.23	0	0	0
2693	'GHSR'	0.18	0	0.13	0	0	0.16
26953	'RANBP6'	18.84	10.66	11.76	15.03	14.39	20.07
26958	'COPG2'	5.4	3.51	7.42	3.34	2.88	4.53
26959	'HBP1'	32.39	42.25	15.38	42.3	49.47	61.84
2696	'GIPR'	5.72	10.84	4.66	6.76	18.93	6.3
26960	'NBEA'	0.32	0.21	0.04	0.02	0.02	0.23
2697	'GJA1'	0	0	0.03	0	0	0
26973	'CHORDC1'	22.67	14.92	16.98	16.51	11.49	22.27
26974	'ZNF285'	0.16	0.11	0.14	0.06	0.17	0.07
26984	'SEC22A'	6.16	7.12	7.82	5	13.58	7.42
26985	'AP3M1'	27.68	16.08	20.53	16.09	20.82	20.97
26986	'PABPC1'	837.57	506.58	670.03	510.11	654.05	649.48
26993	'AKAP8L'	78.72	68.03	50	58.06	65.79	77.2
26994	'RNF11'	34.2	31.96	22.05	34.09	31.92	39.82
26995	'TRUB2'	14.46	11.48	21.51	11.34	9.65	17.38
26996	'GPR160'	10.87	12.08	8.73	7.5	19.9	6.05
26999	'CYFIP2'	193.34	99.5	151.66	98.1	136.71	148.22
27	'ABL2'	2.74	1.65	1.57	1.54	1.56	2.91
270	'AMPD1'	0	0.04	0	0	0	0
2700	'GJA3'	0.07	0	0.04	0.05	0.28	0
27000	'DNAJC2'	33.8	35.49	30.5	32.48	12.48	37.55
27005	'USP21'	26.5	25.02	21.53	20.69	28.38	28.01

27006	'FGF22'	0	0	0.26	0.08	0.09	0.6
2701	'GJA4'	0	0	0.06	0	0	0
27010	'TPK1'	4.1	2.54	6.86	3.41	6.75	8.26
27012	'KCNV1'	0	0	0.01	0	0.01	0
27013	'CNPPD1'	82.34	66.38	68.18	58.9	60.45	80.49
27018	'BEX3'	1.97	1.84	3.81	1.88	3.47	10.18
27019	'DNAI1'	0	0	0	0.04	0.04	0
27020	'NPTN'	92.64	56.43	66.31	53.5	54.31	84.21
27023	'FOXB1'	0.77	0.17	0.57	0.1	0.88	0.99
2703	'GJA8'	0.02	0	0	0	0	0
27030	'MLH3'	6.03	4.76	3.45	3.98	6.97	5.48
27031	'NPHP3'	7.19	6.7	3.61	4.32	10.46	6.46
27032	'ATP2C1'	28.41	23.52	23.17	19.67	30.73	27.97
27033	'ZBTB32'	45.51	44.69	86.28	26.28	52.05	57.39
27034	'ACAD8'	24.99	21.7	19.61	17.47	25.22	23.24
27035	'NOX1'	0	0	0.05	0.09	0.05	0
27036	'SIGLEC7'	7.52	10.36	5.51	4.76	5.79	4.43
27037	'TRMT2A'	28.43	25.04	27.87	19.07	31.21	33.83
27039	'PKD2L2'	0.21	0.12	0.12	0.22	0.11	0.08
27040	'LAT'	140.33	158.08	241.1	170.91	165.52	326.63
27042	'UTP25'	12.15	8.59	4.08	7.71	5.2	7.34
27043	'PELP1'	37.51	24.26	35.35	21.22	25.52	29.53
27044	'SND1'	101.99	62.22	82.86	48.22	122.25	69.38
2706	'GJB2'	0.17	0	0.39	0.04	0.18	0.36
27065	'NSG1'	4.85	5.39	3.18	4.57	4.55	6.37
27067	'STAU2'	17.8	9.93	16.47	7.57	19.92	17.34
27068	'PPA2'	13.25	13.1	25.81	13.74	17.43	17.15
27069	'GHITM'	181.7	138.25	179.81	141.97	136.25	177.11
27071	'DAPP1'	14.53	11.16	10.51	9.22	7.82	19.52
27072	'VPS41'	15.5	10.31	14.33	10.54	19.59	17.24
27074	'LAMP3'	2.55	0.89	2.39	2.77	2.58	9.28
27075	'TSPAN13'	0.58	0.44	0.76	0.21	0.06	1.02
27076	'LYPD3'	1.19	1.1	2.79	1.38	4.52	4.56
27077	'B9D1'	0.12	0.77	2.61	0.58	2.28	1.33
27079	'RPUSD2'	7.05	8.76	7.54	8.56	7.17	10.82
27085	'MTBP'	5.19	3.1	4.19	2.8	3.97	2.57
27086	'FOXP1'	22.21	9.59	8.99	10.42	16.7	22.21
27087	'B3GAT1'	4.07	3.69	4.04	4.91	7.76	17.14
27089	'UQCRQ'	43.17	52.01	77.11	77.62	34.81	36.81
27090	'ST6GALNA	17.79	12.23	15.91	12.47	24.01	32.42
27091	'CACNG5'	0.03	0.06	0.03	0.11	0.08	0.12
27092	'CACNG4'	0.04	0	0.03	0.02	0	0
27094	'KCNMB3'	2.55	2.75	1.32	1.14	1.04	2.06
27095	'TRAPPC3'	79.36	82.61	81.67	73.75	73.54	93.85
27097	'TAF5L'	56.4	42.46	30.09	33.01	33.38	34.66
27098	'CLUL1'	0	0	0	0	0	0.05
271	'AMPD2'	28.02	23.1	23.25	22.09	24.79	30.28
2710	'GK'	10.42	6.52	10.78	4.44	7.82	7.55
27101	'CACYBP'	60.08	55.78	100.61	52.79	58.31	80.17
27102	'EIF2AK1'	93.48	71.45	89.32	63	82.27	79.07
27106	'ARRDC2'	52.99	50.25	41.74	43.72	59.86	60.95
27107	'ZBTB11'	25.35	18.55	14.1	15.66	18.53	18.45
27109	'DMAC2L'	9.66	7.56	8.87	8.41	6.1	7.53
27111	'SDCBP2'	1.95	3.32	1.09	2.53	2.28	2.73

27112	'FAM155B'	0	0.02	0.06	0.02	0.02	0.14
27113	'BBC3'	25.86	20.77	19.28	14.93	72.46	53.65
27115	'PDE7B'	0.11	0.29	0.19	0.03	0.13	0.06
27121	'DKK4'	0	0.14	0.05	0.26	0	0
27122	'DKK3'	0.16	0.47	0.25	1.26	0.21	0.28
27124	'INPP5J'	0	0	0.04	0	0.06	0.15
27125	'AFF4'	28.72	15.3	10.32	13.95	13.6	22.71
27127	'SMC1B'	0.5	0.19	0.33	0.11	0.44	0.03
27128	'CYTH4'	120.64	88.32	60.25	82.07	148.06	97.23
27130	'INVS'	9.08	4.65	4.44	3.24	5.86	5.67
27131	'SNX5'	62.8	60.48	99	48.5	64.05	71.27
27132	'CPNE7'	0.86	3.03	1.26	3.94	7.97	3.61
27134	'TJP3'	0.63	0.89	0.91	0.76	2.49	3.05
27141	'CIDEB'	20.51	20.53	33.77	12.24	34.7	20.64
27143	'PALD1'	0.49	0.52	0.39	0.28	0.2	0.25
27145	'FILIP1'	0	0.02	0.03	0	0.23	0.04
27146	'FAM184B'	0	0	0	0	0.04	0
27147	'DENND2A'	0.04	0.05	0.05	0.24	0.24	0.14
27148	'STK36'	4.54	4.31	4.25	3.3	8.43	7.07
27151	'CPAMD8'	0.27	0.23	0.46	0.03	0.31	0.38
27152	'INTU'	0.41	0.15	0.18	0.2	0.34	0.41
27153	'ZNF777'	21.45	19.96	16.15	11.91	21.79	20.48
27154	'BRPF3'	19.08	13.1	8.02	11.98	19.04	16.03
27156	'RSPH14'	0	0.19	0	0.18	0	0
27158	'NDOR1'	34.29	24.26	21.58	14.44	15.15	22.03
27161	'AGO2'	24.05	10.39	9.1	12.98	14.29	11.76
27163	'NAAA'	37.36	45.64	42.62	27.21	57.56	49.65
27165	'GLS2'	0.63	0.1	0.22	0.3	1.43	0.39
27166	'PRELID1'	291.14	264.62	425.92	293.03	243.82	296.26
2717	'GLA'	41.68	29.54	48.42	33.08	15.03	43.83
27173	'SLC39A1'	65.52	45.24	55.6	42.96	57.84	71.37
27175	'TUBG2'	6.62	9.52	7.98	6.75	16.79	17.58
27178	'IL37'	0.05	0.04	0.27	0.21	0.55	0.04
27179	'IL36A'	0	0	0	0.1	0	0
27180	'SIGLEC9'	1.49	1.03	5.12	0.93	2.87	3.83
27181	'SIGLEC8'	0	0	0.07	0	0.04	0
27183	'VPS4A'	52.59	43.36	43.17	41.33	36.05	45.84
27185	'DISC1'	0.88	0.81	1.07	1.25	2.27	1.96
27189	'IL17C'	0.74	1.67	0.44	1.14	1.38	2.84
2719	'GPC3'	0.09	0.19	0	0	0	0.06
27190	'IL17B'	0.52	0	0.19	0.09	0	0.23
27197	'GPR82'	0.35	0.03	0.03	0.19	0.18	0.03
27198	'HCAR1'	0.03	0.04	0.06	0	0.02	0.02
272	'AMPD3'	14.17	10.86	7.84	4.27	28.55	11.21
2720	'GLB1'	29.63	23.31	31.82	18.09	30.03	30.54
27202	'C5AR2'	0.09	0.1	0.4	0.16	1.01	1.22
27229	'TUBGCP4'	14.17	8.32	8.87	6.64	8.24	8.91
27230	'SERP1'	79.91	68.67	86.87	85.71	129.5	100.29
27232	'GNMT'	0	0	0.21	0	0.57	1.27
27233	'SULT1C4'	0	0	0	0.04	0	0
27235	'COQ2'	13.32	9.46	22.75	9.35	7.2	10.94
27236	'ARFIP1'	11.8	7.57	12.57	7.5	19.15	12.25
27237	'ARHGEF16	0	0	0.05	0	0.14	0
27238	'GPKOW'	24.19	21.07	40.98	22.25	29.74	41.52

27239	'GPR162'	0	0	0.16	0	0.15	0.08
27240	'SIT1'	37.28	67.95	103.12	57.63	175.19	188.71
27241	'BBS9'	3.52	3.83	2.77	2.89	6.38	5.37
27242	'TNFRSF21	0	0	0.05	0	0.03	0.07
27243	'CHMP2A'	157.5	174.49	227.25	167.02	164.68	225.86
27244	'SESN1'	13.32	14.5	9.36	21.06	46.39	23.21
27245	'AHDC1'	15.85	7.77	5.69	4.72	12.95	8.53
27246	'RNF115'	31.05	23.76	18.73	23.26	18.71	22.76
27247	'NFU1'	35.14	39.52	52.27	31.57	48.51	52.15
27248	'ERLEC1'	50.49	34.14	32.78	39.33	22.59	45.02
27249	'MMADHC'	82.17	72.87	102.68	75.2	85.59	104.37
27250	'PDCD4'	36.46	31.54	25.13	41.54	67.77	49.84
27252	'KLHL20'	12.61	10.05	7.71	8.4	9.57	12.53
27254	'CSDC2'	0.1	0	0	0	0.08	0
27257	'LSM1'	85.26	91.43	84.14	90.48	53.57	90.95
27258	'LSM3'	35.98	39.06	58.11	38.07	27.12	34.06
27284	'SULT1B1'	22.03	11.62	7.22	10.42	16.5	16.24
27285	'TEKT2'	0.1	0.07	0	0	0	0.08
27287	'VENTX'	0.48	0.86	0	0.78	0.21	0.28
27288	'RBMXL2'	0	0.05	0	0	0	0
27289	'RND1'	4.23	9.1	6.68	3.98	4.49	6.08
2729	'GCLC'	42.31	26.82	20.7	23.2	23.57	27.05
27291	'R3HCC1L'	17.86	18.97	16.49	17.85	20.65	20.88
27292	'DIMT1'	28.58	20.5	31.42	20.93	26.45	32.44
27293	'SMPDL3B'	0.67	0.74	0.93	1.3	0.72	1.33
27294	'DHDH'	0.58	0.44	0.87	0.31	1.03	0.39
27296	'TP53TG5'	0.41	0.22	0.05	0.34	0.05	0.47
27297	'CRCP'	28.62	20.95	16.19	18.81	18.56	24.18
27299	'ADAMDEC1	0	0.04	0.08	0.4	0.18	0.21
273	'AMPH'	0.12	0.03	0.06	0.14	0.47	0.07
2730	'GCLM'	23.24	14.47	19.13	11.87	16.44	19.59
27300	'ZNF544'	8.57	11.07	11.88	6.82	14.49	11.8
27301	'APEX2'	16.37	13.05	22.94	12.79	19.57	19.03
27302	'BMP10'	0.02	0.03	0.05	0.01	0.05	0.11
27303	'RBMS3'	0.08	0.07	0.16	0.06	0.06	0
27304	'MOCS3'	2.1	1.8	2.12	2.74	3.78	3.64
27306	'HPGDS'	0.32	0.17	2.58	0.12	0.36	0.58
27309	'ZNF330'	32.56	32.18	29.97	32.56	37.85	32.71
2731	'GLDC'	0.16	0.12	0.39	0.07	0.28	1.33
27314	'RAB30'	1.16	1.14	1.2	1.09	1.8	2.81
27315	'PGAP2'	11.63	10.86	16.73	13.9	24.82	16.06
27316	'RBMX'	261.36	185.06	249.78	189.33	153.14	200.24
27319	'BHLHE22'	0.04	0	0.2	0	0	0
27324	'TOX3'	0	0	0	0	0	0.04
27327	'TNRC6A'	16.55	11.52	8.17	9.81	9.52	12.39
27328	'PCDH11X'	0.41	0.14	0.12	0.21	0.1	0.09
27329	'ANGPTL3'	0	0.03	0	0	0.03	0
2733	'GLE1'	46.7	35.08	33.28	34.46	43.37	29.58
27330	'RPS6KA6'	0.01	0	0.01	0.03	0	0.05
27332	'ZNF638'	20.14	14.49	13.12	14.73	22.93	21.13
27333	'GOLIM4'	20.03	12.45	10.86	7.22	9.6	11.08
27334	'P2RY10'	19.6	13.82	20.9	17.28	26.57	25.96
27335	'EIF3K'	486.93	565.17	602.2	559.93	377.4	492.16
27336	'HTATSF1'	121.01	97.86	95.61	105.45	71.81	109

27338	'UBE2S'	135.52	113.26	224.78	106.03	51.72	107.68
27339	'PRPF19'	85.85	58.77	99.54	52.99	59.41	70.61
2734	'GLG1'	40.34	25.34	27.92	20.5	37.06	42.51
27340	'UTP20'	8.42	2.92	2.36	3.55	1.06	2.39
27341	'RRP7A'	17.43	11.99	21.53	11.55	10.84	25.22
27342	'RABGEF1'	18.94	15.53	14.43	14.47	19.95	20
27343	'POLL'	13.32	15.12	15.89	11.54	35.03	20.99
27344	'PCSK1N'	1.54	1.75	1.49	4.98	3.96	7.29
27345	'KCNMB4'	0.89	0.75	0.34	0.34	1.09	0.33
27346	'TMEM97'	31.08	21.47	32.07	14.83	15.8	17.18
27347	'STK39'	56.68	27.45	45.8	31.62	33.43	38.64
27348	'TOR1B'	25.8	18.47	20.57	19.94	23.87	24.84
27349	'MCAT'	9.68	7.76	15.55	10.39	5.25	11.35
2735	'GLI1'	1.51	0.62	0.91	0.25	1.02	0.86
27350	'APOBEC3C	149.22	88.65	179.45	99.64	196.17	179.98
27351	'DESI1'	33.58	18.16	34.86	17.01	25.46	33.42
27352	'SGSM3'	34.15	34.94	27.54	20.83	43.52	33.21
2736	'GLI2'	5.61	4.73	7.39	0.57	2.54	1.82
2737	'GLI3'	0.02	0	0	0	0.01	0
2738	'GLI4'	8.34	12.71	14.03	15.08	23	22.38
2739	'GLO1'	159.25	130.09	164.8	127.78	160.26	259.19
274	'BIN1'	147.53	172.09	151.47	91.36	279.23	183.61
2740	'GLP1R'	0.13	0.1	0.19	0.01	0	0.24
2742	'GLRA2'	0	0	0	0	0.12	0
27429	'HTRA2'	38.49	37.4	55.04	30.87	43.71	45.92
27430	'MAT2B'	100.28	73.11	84.34	75.22	120.49	120.21
27433	'TOR2A'	56.7	53.58	65.65	43.82	46.04	59.85
27434	'POLM'	17.48	14.78	13.92	13.24	19.04	18.79
27436	'EML4'	47.17	36.71	33.48	25.95	45.17	59.95
27439	'TMEM121B	0.06	0.02	0.08	0.09	0.12	0.11
2744	'GLS'	77.81	50.97	44.15	45.42	40.21	70.17
27440	'HDHD5'	19.44	21.55	22.75	19.19	48.14	26.02
27443	'CECR2'	0	0	0	0	0.01	0.01
27445	'PCLO'	0	0	0	0	0.01	0
2745	'GLRX'	106.93	116.41	155.02	81.26	94.3	172.25
2746	'GLUD1'	94.05	60.79	80.47	61.8	52.85	91.23
2747	'GLUD2'	0.11	0	0	0	0	0
275	'AMT'	8.68	17.23	8.53	10.43	13.93	15.62
2752	'GLUL'	123.3	100.2	101.45	92.7	277.24	109
2760	'GM2A'	8.55	5.98	9.37	7.32	12.01	11.18
2762	'GMDS'	25.59	24.01	32.12	20.6	21.99	30.62
2764	'GMFB'	25.21	14.76	14.69	14.81	12.49	17.09
2765	'GML'	0.51	0	0.56	0	0	0
2766	'GMPR'	0.85	0.86	8.08	1.39	1.03	3.14
2767	'GNA11'	0.09	0.16	0.83	0.11	3.07	0.47
2768	'GNA12'	16.57	10.01	10.17	10.35	10.44	14.1
2769	'GNA15'	95.37	77.35	109.24	44.16	197.6	102.05
277	'AMY1B'	0	0	0.06	0	0	0
2770	'GNAI1'	0.11	0.06	0.11	0	0.03	0.02
2771	'GNAI2'	532.07	419.29	558.38	344.32	431.7	506.06
2773	'GNAI3'	19.19	13.39	18.32	14.38	16.09	20.98
2774	'GNAL'	1.34	1.42	1.08	1.11	0.64	1.47
2775	'GNAO1'	1.19	0.72	0.99	0.95	2.88	2.03
2776	'GNAQ'	9	6.44	5.94	4.76	5.87	5.43

2778	'GNAS'	994.83	901.27	949.25	866.77	1205.21	984.4
2780	'GNAT2'	0	0	0.07	0	0.07	0.18
2781	'GNAZ'	0.21	0.21	0.27	0.6	0.34	0.51
2782	'GNB1'	393.23	246.16	298.02	250.62	210.61	314.91
2783	'GNB2'	221.1	193.26	271.71	171.91	216.03	280.47
2784	'GNB3'	2.78	0.73	2.95	0.91	1.55	1
2785	'GNG3'	0.59	0.3	0.73	0.27	0.15	0.51
2786	'GNG4'	0	0	0	0	0.5	0
2787	'GNG5'	282.82	234.94	352.03	268.45	221.75	309.55
2788	'GNG7'	0.09	0.14	0.47	0.44	0.16	0.95
2790	'GNG10'	47.45	50.54	61.06	43.68	51.54	59.33
2791	'GNG11'	0.13	0.03	0	0	0	0.07
2793	'GNGT2'	30.04	38.46	64.09	32.08	30.27	52.29
2794	'GNL1'	15.87	13.88	14.82	12.4	19.27	16.2
2796	'GNRH1'	2.3	5.43	7.77	3.73	8.31	2.99
2797	'GNRH2'	0.61	0.15	0.39	0.11	0.35	0.68
2798	'GNRHR'	0.16	0.02	0.02	0.07	0.11	0.08
2799	'GNS'	18.14	11.06	13.49	13.19	22.86	16.41
28	'ABO'	0.25	0.23	0.1	0.26	0	0.05
280	'AMY2B'	4.39	8.1	6.37	7.13	17.83	10.73
2800	'GOLGA1'	11.84	10.79	8.38	10.57	14.98	11.05
2801	'GOLGA2'	21.91	17.76	15.96	13.87	24.75	24.16
2802	'GOLGA3'	18.83	11.06	12.18	12.52	16.53	22.94
2803	'GOLGA4'	24.44	13.27	9.6	15.27	14.79	22.47
2804	'GOLGB1'	26.28	15.36	10.42	12.66	22.55	21.96
2805	'GOT1'	35.23	22.34	41.68	20.46	16.97	27.59
2806	'GOT2'	91.06	63.72	141.05	56.4	49.65	76.52
280636	'SELENOH'	64.1	81.05	116.34	96.55	77.49	71.38
280664	'WFDC10B'	0	0	0	0.37	0.49	0
2810	'SFN'	0.9	1.19	0.75	1.03	1.67	3.05
2811	'GP1BA'	1.62	1.11	0.58	0.59	1.1	1.33
2812	'GP1BB'	0	0	0.25	0.12	0.13	0
2813	'GP2'	0	0	0	0	0.03	0
2814	'GP5'	0.4	0.19	0.57	0.1	0.6	0.42
2815	'GP9'	0	0	0.28	0	0	0.11
2817	'GPC1'	4.51	2.09	4.39	1.84	4.2	4.28
2819	'GPD1'	0.28	0.1	0.14	0.19	0	0.12
2820	'GPD2'	6.14	5.15	6.29	3.77	8.95	6.16
2821	'GPI'	241.38	322.17	195.97	188.75	1368.94	141.68
2822	'GPLD1'	0.02	0.07	0.02	0	0.05	0.04
28227	'PPP2R3B'	8.46	9.95	15.62	8.98	13.47	11.21
28231	'SLCO4A1'	58.29	29.99	49.3	21.5	31.9	51.93
28232	'SLCO3A1'	33.06	23.37	22.55	26.51	32.42	27.15
2824	'GPM6B'	0.37	0.19	0.15	0.07	0.38	0.4
2826	'CCR10'	0.24	0.18	0.9	0.16	0.4	5.57
282618	'IFNL1'	2.53	1.39	2.89	2.73	0.71	4.41
282679	'AQP11'	0.6	0.49	0.48	0.37	0.86	0.47
2827	'GPR3'	1.44	1.43	3.04	1.98	1.08	1.71
2828	'GPR4'	0.04	0.03	0.03	0.03	0	0.04
282808	'RAB40AL'	0.31	0.23	0	0.22	0.36	0.27
282809	'POC1B'	51.93	50.46	42.93	39.77	38.35	46.85
282890	'ZNF311'	0.21	0.17	0.52	0.07	0.68	0.35
2829	'XCR1'	0.1	0.07	0.02	0.09	0.18	0.24
282969	'FUOM'	13.57	16.99	15.35	16.7	9.01	16.57

282973	'JAKMIP3'	0.19	0.17	0.13	0.15	0.18	0.19
282974	'STK32C'	12.35	10.22	13.75	15.04	10.79	12.08
282991	'BLOC1S2'	40.5	34.46	31.35	30.78	34.57	44.67
282996	'RBM20'	0.03	0.04	0.02	0.05	0.08	0.04
283	'ANG'	2.64	2.24	1.62	1.4	4.45	3.5
283008	'NUTM2E'	4.35	2.03	0.67	0.83	1.18	2.59
283078	'MKX'	0	0	0.11	0.11	0.03	0
2831	'NPBWR1'	0.03	0.05	0.04	0.08	0.07	0.08
283106	'CSNK2A3'	0	0.25	0	0	0	0
283129	'MAJIN'	0	0.11	0	0	0	0.38
283130	'SLC25A45	8.74	9.54	12.15	4.81	12.57	12.13
283149	'BCL9L'	68.31	25.89	24.29	21.38	29.13	39.49
283152	'CCDC153'	0.22	0	0.16	0	0	0.09
28316	'CDH20'	0.03	0	0.02	0	0.05	0.05
283208	'P4HA3'	0	0	0	0	0.09	0
283209	'PGM2L1'	3.69	2.26	2.61	2.25	3.32	3.9
283212	'KLHL35'	0.56	0.37	0.42	0.15	1.43	0.37
283219	'KCTD21'	5.03	2.44	2.95	2.78	7.2	4.83
283229	'CRACR2B'	34.72	35.42	14.72	11.65	12.33	12.92
283232	'TMEM80'	15.66	17.85	12.35	12.09	38.66	20.34
283234	'CCDC88B'	118.6	97.48	88.15	67.67	87.94	127.11
283237	'TTC9C'	16.9	11.43	22.94	10.57	27.67	21.68
283248	'RCOR2'	0.09	0.13	0	0	0.3	0
283254	'HARBI1'	4.32	3.27	2.84	3.5	3.66	5.04
283284	'IGSF22'	0.03	0.09	0.13	0.23	0.18	0.15
283298	'OLFML1'	0	0	0.1	0	0	0
2833	'CXCR3'	194.39	133.8	182.22	136.15	161.08	306.01
283310	'OTOGL'	0	0	0.02	0	0	0.01
283337	'ZNF740'	15.01	11.87	6.68	9.86	13.19	11.95
283349	'RASSF3'	32.97	19.87	23.48	27.16	30.82	28.13
283358	'B4GALNT3	0.31	0.07	0.1	0.21	3.5	0.24
283373	'ANKRD52'	33.63	14.14	13.55	11.93	11.54	20.22
283375	'SLC39A5'	0.08	0.17	0.36	0	0.12	0
283377	'SPRYD4'	1.48	0.75	0.91	0.88	1.46	2.05
283383	'ADGRD1'	0.05	0	0	0.05	0.16	0.03
283385	'MORN3'	1.75	2.81	1.66	2.39	5.96	3.65
2834	'PRLHR'	0.02	0	0.02	0.02	0.04	0
283417	'DPY19L2'	0.26	0.29	0.55	0.5	1.32	0.39
283420	'CLEC9A'	0	0	0	0	0	0.07
283431	'GAS2L3'	3.22	1.27	0.84	0.32	0.09	0.23
283446	'MYO1H'	0.17	0.11	0.07	0.1	0.2	0.11
283450	'HECTD4'	21.52	7.76	4.66	4.55	9.98	10.18
283459	'GATC'	18.77	14.4	12.18	12.08	17.5	14.05
283461	'C12orf40	0.08	0	0.06	0.06	0.13	0.03
283464	'GXYLT1'	4.83	3.01	3.02	2.61	4.51	3.37
283489	'CHAMP1'	21.25	12.91	12.99	11.76	19.03	15.67
283514	'SIAH3'	0.03	0	0.03	0.02	0	0
283518	'KCNRG'	0.81	0.6	0.62	0.86	0.56	1.09
283521	'TMEM272'	0.06	0.02	0	0.04	0.02	0.06
283537	'SLC46A3'	10.57	10.54	6.32	8.36	13.01	11.28
283554	'GPR137C'	0.47	0.2	0.47	0.11	0.4	0.37
283571	'PROX2'	0.58	0.42	0.19	0.35	0.51	0.33
283578	'TMED8'	6.38	3.75	5.04	3.51	5.68	6.8
283600	'SLC25A47	0.08	0	0	0	0	0

283629	'TSSK4'	3.91	1.05	1.15	1.43	1.21	2.87
283635	'FAM177A1	15.54	12.33	12.57	17.34	9.8	18.36
283638	'CEP170B'	12.38	7.27	3.91	3.23	2.97	6.34
283643	'TEDC1'	18.09	13.07	30.7	17.57	10.55	22.86
283652	'SLC24A5'	0.06	0	0.04	0	0	0
283659	'PRTG'	0	0.01	0	0	0	0
2837	'UTS2R'	0	0	0.08	0.08	0	0.1
283710	'LOC28371	0.22	0.52	1.64	0.35	0.74	4.76
283726	'SAXO2'	0.31	0.03	0.03	0	0.1	0.04
283742	'FAM98B'	15.41	10.16	17.33	8.19	14.5	10.33
283767	'GOLGA6L1	0.1	0	0.03	0.05	0	0.29
283768	'GOLGA8G'	0	0	0.07	0.14	0.09	0
2838	'GPR15'	117.86	50.6	111.14	32.14	82.62	87.22
283807	'FBXL22'	0.4	0.4	0.67	0.3	0.94	1.09
283820	'NOMO2'	66.66	36.99	38.07	22.74	59.5	35.2
283847	'TERB1'	0.05	0	0.04	0.1	0	0.12
283848	'CES4A'	17.51	26.54	20.14	10.58	59.02	30.54
283849	'EXOC3L1'	0	0.04	0.04	0.08	0.51	0.1
283869	'NPW'	0.48	1.27	0.54	0.67	1.31	0.63
283870	'BRICD5'	3.07	4.53	5.12	3.24	3.34	3.62
283871	'PGP'	21.79	20.89	29.41	15.55	13.5	23.58
283897	'C16orf54	51.32	30.53	54.08	56.26	53.61	74.88
283899	'INO80E'	90.74	96.54	126.09	77.31	87.52	129.08
283927	'NUDT7'	2.26	3.55	3.92	3.61	14.51	4.84
283933	'ZNF843'	0.08	0.06	0	0	0	0.06
283948	'NHLRC4'	0.2	0.89	1.02	0.5	4.58	1.47
283951	'C16orf91	19.25	24.07	28.69	21.55	26.82	31.12
283971	'CLEC18C'	0.64	0.06	0	0	0.1	0.26
283987	'HID1'	0.43	0.29	0.66	0.46	0.64	1.19
283989	'TSEN54'	49.22	55.82	66.35	49.17	43.94	72.85
283991	'UBALD2'	578.72	646.12	592.26	467.56	458.6	869.19
284	'ANGPT1'	0.04	0	0.03	0	0	0
284001	'CCDC57'	16.11	12.31	8.28	9.33	9.52	12.47
284004	'HEXD'	20.78	24.58	28.23	20.56	42.12	49.94
284013	'VMO1'	0.28	0.21	0	0.26	0.44	0.49
284018	'C17orf58	8.29	8.9	12.46	6.19	12.27	9.14
284021	'MILR1'	2.33	2.21	1.25	1.27	0.31	2.38
284023	'RNF227'	1.89	1.61	1.2	1.65	5.24	1.94
284040	'CDRT4'	1.5	5.95	6.99	4.12	9.27	5.26
284058	'KANSL1'	46.39	31.16	24.12	31.91	24.39	40.86
284067	'CFAP97D1	0.03	0	0	0	0.03	0
284069	'FAM171A2	0.33	0.19	0.11	0.09	0.96	0.17
284071	'MEIOC'	0.54	0.51	0.22	0.23	0.11	0.36
284076	'TTLL6'	0	0	0.04	0	0	0.05
284086	'NEK8'	2.42	1.45	1.82	1.15	2.22	1.79
284098	'PIGW'	18.13	9.36	11.24	9.09	3.28	10.03
284099	'C17orf78	0.08	0	0	0.06	0	0.07
2841	'GPR18'	11.33	9.31	13.73	11.81	13.84	16.29
284106	'CISD3'	23.97	25.77	38.94	25.43	15.44	32.48
284110	'GSDMA'	0.17	0.72	0.49	0	0.31	0.16
284111	'SLC13A5'	0	0	0	0	0.09	0.04
284114	'TMEM102'	12.27	9.14	13.65	11.42	23.1	23.59
284119	'CAVIN1'	0	0.03	0.79	0.2	0.64	0.19
284129	'SLC26A11	29.19	17.48	10.5	22.4	30.38	35.35

284131	'ENDOV'	6.45	8.28	4.69	7.42	6.89	10.56
284161	'GDPD1'	1.11	2.21	1.27	0.58	4.1	2.79
284184	'NDUFAF8'	70.68	96.99	144.34	108.26	78.31	99.56
284194	'LGALS9B'	1.07	2.91	4.13	0.72	1	1.45
2842	'GPR19'	4.98	7.32	7.96	2.94	9.22	7.81
284207	'METRNL'	48.14	35.98	39.78	42.06	68.88	37.81
284252	'KCTD1'	0.89	0.53	0.66	0.73	3.41	1.65
284254	'DYNAP'	0	0.05	0.05	0.1	0	0
284266	'SIGLEC15	0.09	0	0	0.09	0	0.04
284273	'ZADH2'	12.05	10.28	8.67	10.24	12.01	13.22
284274	'SMIM21'	0.01	0	0	0	0	0
284293	'HMSD'	2.63	2.09	1.44	2.03	3.94	4.05
284297	'SSC5D'	0.05	0.08	0.03	0	0.19	0.02
284306	'ZNF547'	0.09	0.25	0.77	0.5	1	0.79
284307	'ZIK1'	4.42	4.71	2.37	2.26	3.16	4.11
284309	'ZNF776'	6.32	5.26	4	5.07	6.66	8.78
284323	'ZNF780A'	5.03	4.83	4.37	5.54	7.61	7.57
284325	'C19orf54	16.86	11.07	12.86	8.01	12.58	14.22
284338	'PRR19'	1.34	0.83	1.08	0.85	0.98	1.77
284339	'TMEM145'	0.45	0.72	0.18	0.13	1.36	0.1
284340	'CXCL17'	0	0	0	0	0	0.13
284346	'ZNF575'	3.77	3.4	3.03	2.38	4.81	4.28
284348	'LYPD5'	0.05	0	0.04	0.04	0.12	0.09
284349	'ZNF283'	1.21	0.6	0.68	0.84	2.13	1.33
284352	'PPP1R37'	13.6	11.06	8.89	8.56	17.44	11.74
284353	'NKPD1'	0.3	0.29	0.18	0.08	0.17	0.32
284358	'MAMSTR'	0.28	0.16	0.63	0.4	1.47	0.5
284361	'EMC10'	93.65	73.49	71.12	67	67.01	86.59
284369	'SIGLECL1	0.24	0.18	0.54	0	0.09	0.85
284370	'ZNF615'	7.18	6.78	4.25	5.7	8.02	6.6
284371	'ZNF841'	9.92	6.22	4.01	4.23	8.5	6.29
284382	'ACTL9'	0.21	0	0	0.07	0.08	0.09
284390	'ZNF763'	0.41	0.34	0.84	0.58	1.17	1.23
284391	'ZNF844'	1	0.41	0.52	0.56	0.34	1.55
2844	'GPR21'	0.09	0.07	0.03	0.06	0.02	0
284402	'SCGB2B2'	0.2	0.09	0.21	0.19	0.25	0.38
284403	'WDR62'	46.93	25.27	38.15	14.9	11.82	18.57
284406	'ZFP82'	1.12	1.52	0.85	1.41	0.85	1.99
284415	'VSTM1'	0	0	1.15	0	0	0.2
284417	'TMEM150E	0.25	0.35	1.89	0.41	2.68	1.11
284418	'FAM71E2'	0	0	0	0	0	0.04
284422	'SMIM24'	0.78	3.39	1.42	1.34	0.87	0.29
284427	'SLC25A41	0	0	0.24	0.38	0.76	0.49
284434	'NWD1'	0	0	0.01	0	0	0
284439	'SLC25A42	11.72	15.07	9.8	9.93	22.8	15.16
284443	'ZNF493'	1.44	1.44	1.64	1.14	4.03	2.07
284451	'ODF3L2'	0.09	0	0.07	0	0	0
284459	'ZNF875'	11.14	14.27	9.31	10.19	18.16	14.45
284486	'THEM5'	1.05	0.47	0.58	0.54	0.61	1.15
284498	'C1orf167	0	0	0	0.03	0	0.05
2845	'GPR22'	0.04	0.06	0.06	0.03	0.07	0
284541	'CYP4A22'	0	0	0.04	0	0	0
284546	'C1orf185	0	0	0	0.13	0	0
284565	'NBPF15'	9.25	8.38	6.27	10.28	13.56	33.32

2846	'LPAR4'	0	0	0.02	0	0.07	0.1
284611	'FAM102B'	22.15	13.37	9.13	16.77	8.56	13.77
284612	'SYPL2'	0	0	0	0	0.03	0
284613	'CYB561D1	10.11	8.34	6.16	6.34	10.57	10.07
284615	'ANKRD34A	2.35	1.87	1.44	1.28	3.33	2.96
284656	'EPHA10'	0.11	0	0.1	0.15	0.11	0.09
284680	'SPATA46'	0	0.14	0.14	0.13	0	0
284695	'ZNF326'	12.93	9.63	7.54	8.3	6.23	12.34
284697	'BTBD8'	0.21	0.36	0.24	0.43	0.87	0.88
2847	'MCHR1'	0.11	0.04	0.04	0.19	0.04	0.14
284716	'RIMKLA'	0.11	0.12	0.04	0.04	1.31	0.06
284723	'SLC25A34	2.08	1.18	0.9	0.52	0.84	1.53
284739	'C20orf20	2.4	2.25	1.67	2.09	7.25	1.83
2848	'GPR25'	0.63	0.38	0.28	0.53	0	1.87
284805	'C20orf20	0.07	0.04	0.02	0	0.06	0.02
2849	'GPR26'	0	0	0	0.01	0	0
284904	'SEC14L4'	0.06	0.05	0.14	0.05	0.05	0.05
284948	'SH2D6'	0.03	0.05	0.11	0.02	0.14	0.13
284958	'NT5DC4'	3.14	1.91	0.6	0.92	0.24	0.48
284992	'CCDC150'	7.55	4.43	7.32	3.18	4.74	2.56
284996	'RNF149'	78.93	57.29	72.99	73.64	91.5	109.98
285	'ANGPT2'	0.22	0.18	0.13	0.16	0.15	0.04
2850	'GPR27'	3.66	3.45	3.57	0.66	2.2	3.38
285016	'ALKAL2'	0.13	0.08	0.68	0	0.4	0.1
285025	'CCDC141'	1.36	0.37	0.1	0.12	0.2	0.14
285051	'STPG4'	0.07	0	0.1	0	0.05	0
285093	'RTP5'	7.47	9.8	3.3	1.68	32.8	4.97
28511	'NKIRAS2'	47.55	31.7	32.19	27.99	24.98	31.06
28512	'NKIRAS1'	12.1	14.08	16.51	15.58	21.13	18.29
285126	'DNAJC5G'	0	0	0	0	0.14	0
28513	'CDH19'	0	0	0	0.03	0	0
28514	'DLL1'	2.47	2.52	1.26	0.58	0.6	1.14
285141	'ERICH2'	0.15	0.11	0.29	0.31	0.48	0.35
285148	'IAH1'	39.1	40.81	45.68	35.56	33.75	44.82
285172	'FAM126B'	14.68	8.18	5.98	9.78	7.83	9.85
285175	'UNC80'	0	0	0	0.01	0	0.01
285180	'RUFY4'	0	0	0.09	0.1	0.02	0.57
285190	'RGPD4'	1.04	0.91	0.29	0.64	0.9	1.07
285193	'DUSP28'	6.88	6.37	5.22	6.4	7.59	6.37
285195	'SLC9A9'	8.65	6.98	7.77	5.76	10.71	15.11
2852	'GPER1'	0	0	0.04	0.07	0.2	0.09
285203	'EOGT'	21.78	15.31	16.64	9.4	9.94	15.21
285220	'EPHA6'	0.15	0.08	0.04	0.18	0.12	0.11
285231	'FBXW12'	0	0	0	0	0	0.09
285237	'C3orf38'	31.36	25.06	18.9	30.76	21.7	30.73
285242	'HTR3E'	0	0	0	0	0	0.06
285267	'ZNF619'	2.37	1.16	1.02	0.91	3.09	2.09
285268	'ZNF621'	10.39	8.39	7.15	6.36	6.95	9.79
285282	'RABL3'	13.13	8.92	11.62	8.37	7.77	14.23
285313	'IGSF10'	0	0	0	0.04	0	0
285315	'C3orf33'	0.87	2.08	1.2	1.91	2.33	2.33
285331	'CCDC66'	8.49	7.54	6.19	6.47	9.99	8.5
285343	'TCAIM'	12.04	9.41	10.6	10.39	22.63	16.58
285346	'ZNF852'	1.96	1.58	0.87	1.12	2.68	1.86

285349	'ZNF660'	0.11	0.06	0.08	0.1	0.13	0.07
285362	'SUMF1'	12.33	12.66	9.27	11.33	11.16	10.28
285367	'RPUSD3'	33.1	34.21	67.11	20.45	49.97	60.23
285368	'PRRT3'	5.6	3.02	2.81	1.53	4.83	3.38
285381	'DPH3'	9.69	7.13	10.82	9.01	5.78	12.91
285382	'C3orf70'	0.03	0.01	0	0.04	0.04	0.07
285386	'TPRG1'	0.55	1.17	0.8	1.46	3.38	1.49
2854	'GPR32'	0	0	0	0.08	0	0
285429	'DCAF4L1'	0.34	0.2	0.14	0.11	0.21	0.37
285440	'CYP4V2'	6.84	4.75	7.73	4.54	10.04	8.52
285489	'DOK7'	0.89	0.88	0.57	0.49	0.54	0.31
285498	'RNF212'	0.6	0.05	0.66	0	0.54	0.81
285513	'GPRIN3'	57.01	26.12	23.58	25.56	22.47	50.22
285521	'COX18'	6.89	3.35	4.72	3.6	4.29	4.43
285527	'FRYL'	17.02	12.96	12.98	9.36	17.01	19.03
285550	'FAM200B'	6.68	7.26	5.06	7.64	7.58	5.7
285555	'STPG2'	0	0	0	0	0	0.06
285590	'SH3PXD2B	0.02	0	0.07	0.02	0.05	0
285596	'FAM153A'	0.56	0.17	0.31	0.48	3.58	0.49
285598	'ARL10'	3.52	1.22	0.66	0.63	2.14	1.01
285600	'KIAA0825	1.71	1.37	1.63	0.97	1.15	1.24
285601	'GPR150'	1.44	2.09	2.05	2.12	2.41	3.74
285605	'DTWD2'	1.21	0.71	0.99	0.7	0.63	0.7
285613	'RELL2'	14.45	15.11	26.58	17.1	14	40.1
285636	'C5orf51'	6.24	2.69	5.04	4.91	7.85	7.6
285641	'SLC36A3'	0.11	0	0	0	0	0.04
285643	'KIF4B'	0	0	0.02	0	0.04	0
285672	'SREK1IP1	8.86	8.29	6.87	7.98	8.39	9.66
285676	'ZNF454'	0.4	0.25	0.18	0.35	0.25	0.31
285679	'C5orf60'	0	0.08	0	0	0.1	0
2857	'GPR34'	0.79	0.38	0.53	0.26	0.44	0.18
285704	'RGMB'	0.75	0.24	0.17	0.3	0.27	2.1
285753	'CEP57L1'	4.45	5.32	10.06	4.46	8.66	8.19
285755	'PPIL6'	0.08	0.13	0.15	0.28	0.11	0.24
285761	'DCBLD1'	4.78	3.57	3.19	1.89	2.67	3.77
285782	'CAGE1'	0.12	0	0.03	0	0.07	0.08
285800	'PRR18'	0	0.03	0	0.03	0	0
285834	'HCG22'	0	0.06	0.12	0	0.07	0.07
285848	'PNPLA1'	0.04	0.15	0.35	0.16	0.15	0.2
285852	'TREML4'	0	0	0	0	0	0.05
285855	'RPL7L1'	48.74	29.89	42.21	30.83	44.71	40.9
2859	'GPR35'	12.99	11.3	13.69	10.14	16.64	18.77
285955	'SPDYE1'	1.7	1.15	0.99	0.4	1.47	1.87
285966	'TCAF2'	66.89	50.25	27.84	44.06	257.7	80.23
285971	'ZNF775'	3.76	2.76	3.46	2.77	8.41	5.47
285973	'ATG9B'	0.15	0.2	0.22	0.1	1.37	0.29
285989	'ZNF789'	10.29	11.16	6.45	9.76	12.04	7.5
286	'ANK1'	0.61	0.25	0.73	0.25	0.14	1.98
286006	'LSMEM1'	1.94	4.28	2.1	2.26	0.45	1.11
286046	'XKR6'	1.26	1.57	1.15	1.14	2.45	1.47
286053	'NSMCE2'	25.47	26.47	61.44	27.44	36.8	38.1
286075	'ZNF707'	14.61	13.9	9.23	9.08	18.46	12.83
286077	'FAM83H'	2.49	2.47	2.11	1.45	3.31	4.17
286097	'MICU3'	1.82	1.04	0.71	0.31	0.43	0.56

286128	'ZFP41'	4.8	2.56	2.58	2.12	3.88	4.54
286133	'SCARA5'	0	0.02	0.02	0.09	0	0.11
286144	'TRIQK'	1.11	0.58	0.69	1.48	0.5	1.58
286148	'DPY19L4'	4.62	4.22	2.99	3.55	3.22	3.02
286151	'FBXO43'	4.08	2.65	3.04	1.28	3.83	1.58
286183	'NKAIN3'	0.3	0.18	0.1	0.25	0.34	0.38
2862	'MLNR'	0	0	0	0	0.09	0
286204	'CRB2'	0.18	0.06	0.05	0.07	0.02	0.15
286205	'SCAI'	1.64	1.33	1.31	1.08	2	1.79
286207	'CFAP157'	0.25	0.44	0.29	0.18	0.1	0.34
286223	'C9orf47'	0	0	0.02	0	0	0
286256	'LCN12'	0.4	0.73	0.33	0.42	0.71	1.95
286257	'PAXX'	93.32	124.99	114.88	100.97	78.36	104.23
286262	'TPRN'	11.72	9.33	9.84	8.17	10.74	10.81
286319	'TUSC1'	0.48	0.12	0.24	0.15	0	0.05
286336	'FAM78A'	43.18	25.25	42.33	32.66	55.22	49.12
286343	'LURAP1L'	0.41	0	0.23	0	0.16	0
286380	'FOXD4L3'	0.12	0	0	0	0.39	0
2864	'FFAR1'	0	0	0	0	0	0.31
286410	'ATP11C'	12.3	6.57	6	6.85	6.69	7.4
286436	'H2BW2'	0.36	0.61	0.41	0.36	0.68	0.64
286451	'YIPF6'	8.64	5.38	5.69	4.73	5.51	7.52
286499	'FAM133A'	0	0.06	0	0	0	0
2865	'FFAR3'	0	0	0.27	0	0.96	0
286527	'TMSB15B'	6.49	3.91	2.16	3.03	3.75	3.4
286530	'P2RY8'	207.81	96.39	90.79	195.94	202.67	185.31
286676	'ILDR1'	1.6	0.51	1.97	0.46	1.49	2.09
2867	'FFAR2'	0	0	0.27	0	0	0
286749	'STON1-GT	1.61	0.66	0.24	0	0.62	0.15
286753	'TRARG1'	0	0.4	0.74	0.07	0.61	0.9
2868	'GRK4'	0.45	0.44	0.42	0.44	1.47	1.4
286826	'LIN9'	7.62	4.53	8.28	3.81	5.53	4.38
286827	'TRIM59'	14.75	11.11	12.02	9.95	17.99	21.59
2869	'GRK5'	23.6	21	33.33	16.91	33.57	20.39
287	'ANK2'	0.21	0.05	0.08	0.03	0.03	0.13
2870	'GRK6'	70.66	62.92	115.72	46.62	55.56	136.81
2872	'MKNK2'	48.47	35.77	56.62	35.78	355.63	77.42
2873	'GPS1'	113.99	98.58	131.08	83.11	60.11	129.53
2874	'GPS2'	165.52	155.01	182.4	144.9	165.51	219.61
2875	'GPT'	0	0.08	0.17	0.04	0.04	0.09
2876	'GPX1'	115.18	142.97	177.47	132.59	146.1	223.42
2877	'GPX2'	0.36	0.13	0.26	0.13	0.14	0.31
2878	'GPX3'	0.44	0.27	0.07	0.18	0.41	0.23
2879	'GPX4'	481.68	467.4	478.28	511.51	417.16	368.72
288	'ANK3'	3.85	2.01	1.33	2.89	2.49	6.03
2882	'GPX7'	23.01	26.82	32.68	20.58	8.44	19.29
2885	'GRB2'	84.26	62.1	69.68	53.77	64.82	79.31
2886	'GRB7'	0.13	0	0	0.24	0	0.17
2887	'GRB10'	0.98	0.56	1.73	0.37	1.71	1.37
2888	'GRB14'	0	0	0.17	0	0	0
2889	'RAPGEF1'	198.92	103.12	88.56	78.82	112.36	120.88
2893	'GRIA4'	0.03	0	0	0	0.08	0
2895	'GRID2'	0	0	0.02	0	0	0
28951	'TRIB2'	23.76	22.45	15.09	16.2	42.3	30.18

28952	'CCDC22'	21.75	18.34	20.52	17.73	30.1	26.96
28955	'DEXI'	19.91	19.54	21.27	21.55	25.76	26.19
28956	'LAMTOR2'	79.21	105.66	141.76	97.43	75.33	118.29
28957	'MRPS28'	19.44	21.19	37.15	23.64	18.41	22.33
28958	'COA3'	52.58	57.08	91.68	53.51	67.54	84.58
28959	'TMEM176E	0.14	0	1.6	1.31	0.11	0.5
2896	'GRN'	75.36	69.37	96.04	55.21	106.88	154.91
28960	'DCPS'	15.22	13.03	23.19	9.09	11.03	14.45
28962	'OSTM1'	20.13	11.97	18.43	18.55	19.94	31.81
28964	'GIT1'	65.94	48.21	55.14	39.62	68.79	63.91
28965	'SLC27A6'	0	0.03	0	0	0	0
28966	'SNX24'	12.7	9.02	6.37	5.69	4.93	10.02
28968	'SLC6A16'	1.12	1.25	0.5	0.84	0.9	0.89
28969	'BZW2'	37.87	27.36	49.49	31.66	19.73	31.89
2897	'GRIK1'	0.06	0.04	0.03	0.02	0.06	0.22
28970	'C11orf54	7.59	4.75	7.98	5.4	11.56	10.11
28971	'AAMDC'	16.25	11.6	24.96	22.15	19.88	28.35
28972	'SPCS1'	43.99	45.53	46.68	48.71	26.34	49.1
28973	'MRPS18B'	41.68	31.34	61.14	36.87	70.34	51.74
28974	'C19orf53	168.5	245.22	279.38	207.82	204.74	263.73
28976	'ACAD9'	24.31	17.09	32.84	15.81	21.57	25.53
28977	'MRPL42'	4.34	3.92	4.28	3.89	3.41	4.57
28978	'TMEM14A'	22.6	26.74	34	26.63	32.23	25.61
2898	'GRIK2'	0	0	0	0.04	0	0
28981	'IFT81'	0.48	0.47	0.83	1.19	1.2	1.23
28982	'FLVCR1'	8.92	5.73	4.35	4.05	3.88	5.48
28983	'TMPRSS11	0	0.05	0.05	0	0	0
28984	'RGCC'	57.89	56.45	62.56	120.37	59.59	70.56
28985	'MCTS1'	7.58	5.91	9.6	5.72	6.91	8.75
28986	'MAGEH1'	9.79	10.52	16.28	11.22	18.31	18.64
28987	'NOB1'	63.91	56.03	84.85	54.82	66.33	75.82
28988	'DBNL'	75.07	70.95	133.16	48.62	88.52	122.11
28989	'NTMT1'	22.36	19.54	24.64	22.67	23.18	28.3
28990	'ASTE1'	11.13	9.18	6.93	10.98	8.48	10.09
28991	'COMMD5'	22.55	24.63	32.13	24.18	25.83	30.69
28992	'MACROD1'	8.53	13.57	10.62	10.61	11.99	8.9
28996	'HIPK2'	44.47	16.19	6.89	10.46	11.42	12.16
28998	'MRPL13'	27.72	31.34	48.33	19.94	32.44	34.08
28999	'KLF15'	0	0.04	0.05	0	0	0
29	'ABR'	36.48	33.19	32.36	21.33	83.17	46.75
290	'ANPEP'	0.85	0.45	3.43	0.39	0.27	1.94
2900	'GRIK4'	0.09	0.03	0.05	0.02	0	0.04
2901	'GRIK5'	0.19	0.03	0.57	0.08	0.18	0.18
29015	'SLC43A3'	115.81	62.83	98.09	78.58	203.99	55.29
2902	'GRIN1'	0.14	0	0.03	0.04	0	0.06
29028	'ATAD2'	53.55	25.42	42.39	16.86	32.54	22.26
2903	'GRIN2A'	0	0.02	0	0	0	0.04
29035	'C16orf72	41.11	37.65	29.62	29.83	25.21	39.7
2905	'GRIN2C'	0.48	0.44	0.23	0.35	0.22	0.72
29057	'FAM156A'	5.73	6.93	5.8	4.45	4.55	3.75
29058	'TMEM230'	139.38	113.58	124.73	109.25	108.46	123.17
2906	'GRIN2D'	0.23	0.18	0.07	0.07	0.42	0.25
29062	'WDR91'	7.68	8.61	6.33	5	7.99	7.78
29063	'ZCCHC4'	7.43	7.99	4.75	5.84	3.36	5.75

29066	'ZC3H7A'	46.48	30.29	30.28	32.67	36.91	36.45
29068	'ZBTB44'	19.68	13.14	6.97	14.42	14.45	13.22
2907	'GRINA'	59.84	50.06	44.52	38.64	71.41	77.51
29070	'CCDC113'	0.07	0.09	0.22	0.18	0.17	0.16
29071	'C1GALT1C	25.26	22.01	42.63	20.1	36.8	34.34
29072	'SETD2'	33.22	20.34	18.24	17.6	22.31	30.14
29074	'MRPL18'	46.66	47.08	101.05	40.22	63.26	69.59
29078	'NDUFAF4'	8.77	8.77	12.1	10.59	3.73	9.24
29079	'MED4'	54.05	48.12	55.53	45.38	51.27	49.98
2908	'NR3C1'	67.5	42.42	37.05	40.86	46.94	53.3
29080	'CCDC59'	33.61	36.38	39.79	33.9	30.88	42.56
29081	'METTL5'	58.29	65.8	81.14	61.62	63.6	80.84
29082	'CHMP4A'	61.2	57.2	91.94	67.48	51.9	106.99
29083	'GTPBP8'	13.9	9.44	13.5	12.43	9.87	14.7
29085	'PHPT1'	158.73	263.91	204.74	227.25	233.99	219.44
29086	'BABAM1'	102.84	95.65	114.95	76.36	87.4	117.26
29087	'THYN1'	54.55	60.77	78.05	49.39	60.69	78.4
29088	'MRPL15'	31.27	25.74	35.7	27.26	19.85	30.22
29089	'UBE2T'	46.36	30.24	113.86	27.21	46.21	47.49
2909	'ARHGAP3	21.31	14.24	14.19	9.91	30.41	22.25
29090	'TIMM21'	16.91	14.17	16.58	14.7	15.27	15
29091	'STXBP6'	0	0	0.2	0.05	0.11	0
29093	'MRPL22'	10.27	11.04	15.89	10.82	9.96	11.96
29094	'LGALSL'	0.39	0.47	0.61	0.23	0.51	1.69
29095	'ORMDL2'	31.05	26.38	36.46	29.66	16	37.85
29097	'CNIH4'	19.84	15.89	24.9	23.29	13.53	20.41
29098	'RANGRF'	85.47	82.96	88.12	79.5	43.29	73.51
29099	'COMMD9'	36.74	30.81	30.73	27.22	26.55	31.32
291	'SLC25A4'	1.78	2.21	3	2.91	6.25	4.3
29100	'TMEM208'	56.45	54.75	71.16	63.72	44.78	82.05
29101	'SSU72'	111.83	89.64	144.16	145.44	163.44	176.08
29102	'DROSHA'	22.5	16.21	22.53	16.66	14.33	22.58
29103	'DNAJC15'	6.16	6.19	7.57	5.84	5.36	6.97
29104	'N6AMT1'	1.86	2.61	3.7	2.79	2.25	3.68
29105	'CFAP20'	73.46	74.33	97.08	104.54	57.25	74.14
29107	'NXT1'	49.61	49.12	69.76	44.37	20.73	63.35
29108	'PYCARD'	98.75	143.9	216.78	89.91	186	201.91
29109	'FHOD1'	52.57	51.73	58.19	29.41	58.01	63.19
2911	'GRM1'	0.02	0	0.01	0	0	0
29110	'TBK1'	42.89	37.21	30.41	25.52	39.42	42.07
29114	'TAGLN3'	0	0	0.2	0	0	0.12
29115	'SAP30BP'	51.88	46.59	39.81	47.82	34.21	45.3
29116	'MYLIP'	62.67	57.71	22.05	70.46	38.94	77.56
29117	'BRD7'	64.43	50.9	62.1	41.97	49.13	53.42
29118	'DDX25'	0.24	0.06	0.06	0	0	0.14
2912	'GRM2'	3.17	2.74	1.85	2.72	0.73	4.4
29121	'CLEC2D'	65.78	52.65	70.04	53.85	66.29	107.34
29122	'PRSS50'	0	0	0	0	0	0.1
29123	'ANKRD11'	54.07	24.95	24.59	19.93	36.64	31.59
29124	'LGALS13'	0	0	0.05	0	0	0
29125	'C11orf21	33.71	36.92	30.39	20.8	46.56	49.07
29126	'CD274'	6.19	4.34	4.21	5.88	3.55	9.46
29127	'RACGAP1'	57.03	27.27	58.47	26.13	36.02	32.88
29128	'UHRF1'	32.92	13.37	34.93	10.95	16.04	12.18

2913	'GRM3'	0.03	0.03	0	0.02	0	0
2915	'GRM5'	0.02	0	0.01	0.02	0	0
2916	'GRM6'	0.02	0.02	0	0.03	0	0
2917	'GRM7'	0	0.01	0	0	0	0.03
2918	'GRM8'	0	0	0	0	0.17	0.03
2919	'CXCL1'	0	0	0.1	0.54	0	0.23
292	'SLC25A5'	519.78	447.28	645.01	354.81	262.66	356.56
2920	'CXCL2'	0.41	1.15	7.69	1.16	0.11	0.6
2921	'CXCL3'	0	0.11	1.83	0.41	0	0
2923	'PDIA3'	277.22	236.59	220.78	207.62	220.02	212.88
2925	'GRPR'	0.11	0.12	0.04	0	0	0
2926	'GRSF1'	33.23	27.86	34.92	29.55	40.79	47.14
2928	'GSC2'	0.05	0.15	0.07	0	0.04	0.09
293	'SLC25A6'	578.06	595.74	652.75	759.55	651.9	422.71
2931	'GSK3A'	122.04	88.72	110	74.01	81.11	110.39
2932	'GSK3B'	18.64	12.59	12.68	9.12	10.14	15.8
2934	'GSN'	21.58	20.03	12.84	9.55	10.89	10.02
2935	'GSPT1'	31.69	22.93	36.55	22.56	23.76	37.97
2936	'GSR'	56.34	36.96	54.01	33.39	41.98	62.18
2937	'GSS'	48.65	43.57	55.5	42.84	53.12	56.81
2941	'GSTA4'	1.92	4.33	3.58	3.68	5.92	3.48
2944	'GSTM1'	0	0	0	41.37	41.52	0
2946	'GSTM2'	119.77	140.53	32.62	85.47	35.1	23.22
2947	'GSTM3'	3.44	4.46	2.89	3.94	5.77	4.37
2948	'GSTM4'	25.45	25.77	19.17	9.02	22.43	4.87
2949	'GSTM5'	0	0	0.25	0	0.91	0
2950	'GSTP1'	2213.2	2045.4	2182	1277.43	673.33	1091.19
2952	'GSTT1'	0	0	7.31	0	4.11	4.9
2954	'GSTZ1'	13.29	13.76	26.11	9.91	12.5	14.26
2956	'MSH6'	32.15	21.01	25.15	19.57	28.23	17.26
2957	'GTF2A1'	14.4	8.75	9.59	8.29	10.2	14.07
2958	'GTF2A2'	44.13	52.1	60.36	47.56	39.1	51.56
2959	'GTF2B'	41.04	46.8	51.11	43.14	57.78	67.64
2960	'GTF2E1'	5.62	4.07	5.77	7	11.39	8.02
2961	'GTF2E2'	42.34	43.42	61.89	49.59	47.2	56.58
2962	'GTF2F1'	78.86	83.55	90.33	68.83	102.81	108.34
2963	'GTF2F2'	14.99	14.95	21.75	13.84	12.38	16.76
2965	'GTF2H1'	35.2	17.81	22.16	22.62	25.45	23.25
2966	'GTF2H2'	4.77	2.73	5.52	6.88	3.59	5.34
2967	'GTF2H3'	12.78	9.18	13.28	9.01	11.53	15.74
2968	'GTF2H4'	19.15	19.06	27.86	16.35	21.09	30.44
2969	'GTF2I'	90.06	67.36	71.28	63.15	85	93.94
2971	'GTF3A'	289.25	254	308.09	276.22	142.74	268.59
2972	'BRF1'	32.43	32.47	20.84	22.08	63.36	27.63
2975	'GTF3C1'	35.65	23.66	27.01	15.75	31.96	35.9
2976	'GTF3C2'	37.13	22.96	26.92	20.75	22.19	24.16
29760	'BLNK'	1.9	0.52	2.2	1.07	1.2	9.64
29761	'USP25'	32.76	27.05	19.54	27.35	29.25	31.43
29763	'PACSIN3'	0.95	0.5	1.03	0.72	5.76	2.05
29765	'TMOD4'	0.33	1.1	0.97	0.34	0.69	0.66
29766	'TMOD3'	18.36	9.69	15.22	12.4	23	21.61
29767	'TMOD2'	1.78	0.92	1.3	1.57	3.18	2.69
2977	'GUCY1A2'	0	0	0	0	0	0.01
29775	'CARD10'	0.24	0.23	0.16	0.11	0.22	0.16

29777	'ABT1'	36.48	29.33	37.22	41.48	36.67	46.43
2978	'GUCA1A'	0	0.12	1.14	0	0	0
29780	'PARVB'	38.6	34.28	82.56	30.95	51.93	33.15
29781	'NCAPH2'	95.26	64.01	81.28	56.15	59.34	59.66
29785	'CYP2S1'	0.05	0.04	0	0.07	0	0.22
29789	'OLA1'	34.5	28.7	31.04	23.63	29.4	31.47
2979	'GUCA1B'	1.58	2.31	1.92	3.21	2.01	1.49
29796	'UQCR10'	85.9	101.59	126.01	108.42	86.42	126
29798	'C2orf27A	5.85	4.35	3.16	2.62	4.15	2.92
29799	'YPEL1'	13.13	9.77	8.85	9.11	34.71	8.73
29800	'ZDHHC1'	1.27	1.17	0.48	1.01	0.82	0.57
29801	'ZDHHC8'	16.07	10.7	10.05	5.95	17.94	14.05
29802	'VPREB3'	0	0	2.28	0	0	1.01
29803	'REPIN1'	36.45	33.32	30.98	19.99	41.71	30.09
2982	'GUCY1A1'	0.23	0.18	0.13	0.08	0	0
2983	'GUCY1B1'	0.93	0.66	0.43	0.12	0.16	0.11
29841	'GRHL1'	0.43	0.25	0.72	0.08	0.39	0.82
29842	'TFCP2L1'	0	0	0.02	0.19	0.01	0.11
29843	'SENP1'	17.42	9.71	10.97	8.3	10.02	15.13
29844	'TFPT'	82.33	96.15	125.21	109.26	79.24	125.07
29850	'TRPM5'	0	0	0.07	0	0	0.03
29851	'ICOS'	90.07	62.53	83.2	73.03	64.69	98.58
29855	'UBN1'	48.3	28.57	21.03	25.86	22.18	30.82
2986	'GUCY2F'	0	0	0	0	0	0.03
2987	'GUK1'	244.53	334.72	260.53	314.75	322.65	261.29
29880	'ALG5'	59.21	60.4	56.08	53.99	54.16	47.75
29881	'NPC1L1'	0.03	0	0	0.04	0	0
29882	'ANAPC2'	35.82	33.19	25.21	25	28.4	35.53
29883	'CNOT7'	58.8	43.94	41.93	50.06	38.97	48.24
29886	'SNX8'	9.48	6.42	9.57	7.22	6.19	8.02
29887	'SNX10'	96.56	70.25	53.5	60.39	44.18	40.89
29888	'STRN4'	96.98	75.1	56.86	56.39	55.42	71.25
29889	'GNL2'	60.63	34.95	53.94	43.11	25.54	49.7
29890	'RBM15B'	37.77	22.72	22.04	20.75	25.22	25.68
29893	'PSMC3IP'	14.11	7.84	15.56	9.33	9.78	5.26
29894	'CPSF1'	54.89	37.79	41.19	19.01	41.67	37.46
29895	'MYLPF'	0.3	0	0	0.21	0	0.26
29896	'TRA2A'	77.92	80.93	70.57	75.87	71.03	102.02
29899	'GPSM2'	13.37	7.24	17.36	6.19	9.08	8.36
2990	'GUSB'	119.37	93.15	100.06	69.92	91.18	61.16
29901	'SAC3D1'	15.9	12.3	25.68	6.83	25.74	11.42
29902	'FAM216A'	9.09	10.81	18.05	6.91	32.42	9.12
29903	'CCDC106'	4.55	4.71	5.96	3.9	6.95	4.24
29904	'EEF2K'	6.25	4.13	6.12	2.95	6.62	7.21
29906	'ST8SIA5'	0.01	0	0.05	0.05	0	0.11
29907	'SNX15'	27.59	20.47	25.63	16.04	20.69	34.64
29909	'GPR171'	196.21	163.14	216.69	149.41	446.23	368.98
29911	'HOOK2'	5.77	5.28	5.2	2.9	12.34	9.78
29914	'UBIAD1'	24.38	16.85	17.67	19.96	8.29	21.03
29915	'HCFC2'	17.05	7.73	4.76	8.29	6.75	8.61
29916	'SNX11'	18.06	14.34	20.44	12.37	11.49	17.82
29919	'RMC1'	40.63	31.2	29.21	31.39	25.67	40.03
2992	'GYG1'	78.33	67.79	63.88	69.12	78.08	127.39
29920	'PYCR2'	71.32	59.65	107.83	47.24	98.31	91.05

29922	'NME7'	7.51	8.32	14.6	8.06	13.56	13.54
29923	'HILPDA'	1.07	1.29	3.22	1.69	93.87	1.31
29924	'EPN1'	53.52	38.59	57.7	35.76	61.83	59.76
29925	'GMPPB'	14.56	10.67	20.66	8.68	15.4	17.46
29926	'GMPPA'	37.27	38.38	47.22	24.61	77.59	53.44
29927	'SEC61A1'	207.11	135.32	126.03	113.1	254.98	158.8
29928	'TIMM22'	18.4	14.04	15.2	20.97	9.14	14.63
29929	'ALG6'	9.48	8.47	11.54	7.5	10.96	13.24
2993	'GYPA'	0	0	0.04	0	0	0
29930	'PCDHB1'	0.06	0.07	0.04	0.04	0.14	0.01
29933	'GPR132'	31.19	12.52	19.17	13.89	28.8	42.04
29934	'SNX12'	37.42	19.92	24.29	22.64	19.67	25.63
29935	'RPA4'	0.91	0.96	0.27	0.89	0.28	0.08
29937	'NENF'	54.95	73.15	66.96	79.88	74.02	65.32
2994	'GYPB'	0.55	0.32	0.13	0.03	0.07	0.08
29940	'DSE'	2	0.38	0.76	1.7	1.45	5.11
29941	'PKN3'	9.67	9.67	3.82	2.76	6.87	3.91
29942	'PURG'	0.07	0	0.1	0	0.05	0.06
29944	'PNMA3'	1.37	2.03	1.46	2.15	7.16	2.17
29945	'ANAPC4'	26.06	27.01	26.9	24.47	25.09	32.84
29946	'SERTAD3'	15.79	24.93	12.99	27.21	12.76	20.18
29948	'OSGIN1'	0.92	0.48	2.01	1	0.33	2.36
29949	'IL19'	0	0	0.13	0	0	0.15
2995	'GYPC'	184.29	232.58	248.61	166.24	268.43	182.29
29950	'SERTAD1'	15.68	25.98	14.91	21.17	19.42	21.18
29952	'DPP7'	208.52	236.42	200.45	169.59	235.2	237.9
29953	'TRHDE'	0	0	0.01	0.03	0	0.02
29954	'POMT2'	6.52	4.66	4.89	4.17	2.16	5.69
29956	'CERS2'	131.85	98.51	130.37	122.42	140.36	153.46
29957	'SLC25A24	32.9	20.66	18.84	21.43	18.46	30.42
29958	'DMGDH'	0	0	0	0.02	0.32	0.13
29959	'NRBP1'	141.19	110.62	110.43	93.98	103.7	137.09
2996	'GYPE'	1	0.89	0.75	1.09	0.65	0.9
29960	'MRM2'	20.56	18.6	25.34	15.47	24.01	21.17
29964	'PRICKLE4	1.47	1.85	0.85	1.09	2.35	1.21
29965	'CDIP1'	60.85	51.3	40.38	41.32	57.57	41.38
29966	'STRN3'	11.28	12.69	8.62	8.69	6.1	12.72
29967	'LRP12'	2.33	2.12	1.76	2.67	1.37	5.62
29968	'PSAT1'	88.39	30.33	126.06	26.43	46.59	28.49
29969	'MDFIC'	115.91	105.42	75.31	88.95	127.25	118.51
2997	'GYS1'	40.81	29	34.56	19.18	50.91	48.76
29970	'SCHIP1'	0.42	0.01	0.3	0	0	0.07
29974	'A1CF'	0	0	0	0	0.01	0
29978	'UBQLN2'	30.27	14.76	21.29	18.35	25.15	20.28
29979	'UBQLN1'	112.44	70.4	77.28	58.47	69.45	87.98
2998	'GYS2'	0.2	0.07	0.18	0.07	0.08	0.17
29980	'DONSON'	26.16	17.8	27.46	11.7	19.43	14.48
29982	'NRBF2'	22.88	27.06	28.78	22.97	46.39	41.8
29984	'RHOD'	0.7	0.11	0	0.77	0	0.12
29985	'SLC39A3'	43.14	36.39	55.79	31.94	21.59	46.25
29986	'SLC39A2'	0	0.16	0.16	0.07	0.08	0.09
29988	'SLC2A8'	25.95	22.68	19.1	10.94	15.39	22.79
2999	'GZMH'	998.05	1254.2	383.81	1370.72	457	503.64
29990	'PILRB'	58.6	51.87	55.25	46.07	46.22	59.64

29991	'OBP2A'	0	0	0	0	0	0.28
29992	'PILRA'	0.88	1.24	4.23	1.75	0.67	0.72
29993	'PACSIN1'	1.68	1.48	0.76	1.54	1.26	0.95
29994	'BAZ2B'	5.17	3.27	1.93	3.39	2.67	3.64
29995	'LMCD1'	0.35	0.42	0.53	0.21	0.15	0.31
29997	'NOP53'	620.81	664.98	471.79	660.26	931.51	553.8
29998	'BICRA'	13.18	8.11	7.19	6.18	11.12	12.65
29999	'FSCN3'	0.25	0.29	0.14	0.26	0.05	0.06
30	'ACAA1'	56.2	56.19	76.93	44.64	59.83	78.04
3000	'GUCY2D'	0	0.04	0.04	0	0.01	0
30000	'TNPO2'	36.01	21.94	16.93	16.55	15.25	19.41
30001	'ERO1A'	56.87	43.15	46.9	34.22	111.22	47.87
30008	'EFEMP2'	4.5	10.66	4.67	5.43	16.87	4.32
30009	'TBX21'	102.68	69.75	68.72	72.58	97.53	76.03
3001	'GZMA'	1663.7	2066.3	1362.4	2070.53	1418.71	1198.29
30011	'SH3KBP1'	103.58	72.91	100.25	86.53	86.88	138.55
30012	'TLX3'	0	0	0.07	0	0	0
3002	'GZMB'	3660.5	3572.6	2731.8	3568.56	1511.9	2700.51
3003	'GZMK'	137.81	204.9	65.06	352.81	83.61	142.97
3004	'GZMM'	87.75	183.57	86.89	186.53	186.78	169.99
3005	'H1-0'	15.68	7.02	21.08	4.51	11.55	33.58
3006	'H1-2'	51.31	57.34	97.11	42.56	46.9	210.42
30061	'SLC40A1'	0.4	0.32	2.8	0.43	0.22	1.55
30062	'RAX'	0	0	0	0	0.03	0
3007	'H1-3'	0.46	0.69	0.34	0.16	0.71	1.2
3008	'H1-4'	0.9	1.36	0.33	0.63	0.87	2.74
3009	'H1-5'	1.1	0.5	0	0.46	0.17	0.19
301	'ANXA1'	604.12	645.66	481.67	979.56	335.78	570.82
3010	'H1-6'	0	0	0	0	0	0.22
3012	'H2AC8'	4.71	4.43	5.77	5.2	3.02	8.85
3013	'H2AC7'	5.72	5.73	2.45	3.31	2.55	8.25
3014	'H2AX'	242.29	195.07	347.18	127.62	154.44	119.25
3015	'H2AZ1'	661.48	476.94	1100.8	437.76	385.38	479.62
3017	'H2BC5'	12.39	8.2	10.91	5.43	22.59	17.27
3018	'H2BC3'	0.52	0.79	0	0.36	0	0.45
302	'ANXA2'	659.01	478.77	978.42	500.4	403.33	928.61
3020	'H3-3A'	808.59	728.78	925.12	601.91	613.83	701.29
3021	'H3-3B'	295.88	290.16	385.21	228.89	177.97	486.97
3028	'HSD17B1(	115.87	93.89	147.17	100.99	43.46	117.67
3029	'HAGH'	35.85	35.34	46.08	31.81	34.77	56.99
3030	'HADHA'	161.5	127.02	164.54	107.9	139.41	146.82
3032	'HADHB'	40.86	32.37	48.31	41.65	61.79	70.13
3033	'HADH'	19.84	18.46	37.07	15.87	25.1	24.74
3034	'HAL'	0.51	0.89	0.46	0.57	0.59	0.46
3035	'HARS1'	94.74	81.32	106.51	67.45	57.49	101.73
3036	'HAS1'	0	0	0	0.04	0	0.22
3037	'HAS2'	0.56	0.2	0.13	0.02	0.49	0.08
3038	'HAS3'	0.84	0.73	1.02	1	0.33	1.11
3039	'HBA1'	1.5	0.94	11.04	0	0	0
3040	'HBA2'	0	0.47	0	1.05	0	0.65
3043	'HBB'	0.97	4.86	54.01	0.23	0	0
3045	'HBD'	2.31	1.99	26.51	0.23	0	0
3046	'HBE1'	0	0	0.24	0.23	0	0
3047	'HBG1'	0	0	7.13	0	0	0

3048	'HBG2'	1.82	1.65	77.15	0.25	0	0
3049	'HBQ1'	0	0.33	0	0	0	0
3052	'HCCS'	11.84	8.48	12.47	8.45	8.79	14.38
3053	'SERPIND1	0.18	0.32	0.27	0	0.05	0.27
3054	'HCFC1'	61.07	24.99	24.39	15.41	18.07	29.14
3055	'HCK'	0.19	0.05	1.15	0.5	0	0.45
3059	'HCLS1'	355.47	327.36	455.63	326.25	351.6	425.45
306	'ANXA3'	1.01	0.15	1.65	0.21	0	0.35
3061	'HCRTR1'	0.28	0.05	0.05	0.13	0.04	0
3064	'HTT'	27.12	12.64	17.53	8.72	13.12	17.76
3065	'HDAC1'	130.26	94.05	150.13	91.18	119.31	127.88
3066	'HDAC2'	47.05	34.87	55.15	33.59	36	36.71
3067	'HDC'	1.61	1.08	28.15	1.09	0.15	1.66
3068	'HDGF'	378.55	258.7	410.15	285.17	181.24	344.33
3069	'HDLBP'	101.06	52.75	65.91	42.06	121.92	77.59
307	'ANXA4'	31.32	20.01	40.15	20.92	35.29	49.69
3070	'HELLS'	22.22	11.05	15.52	9.28	9.66	8.74
3071	'NCKAP1L'	46.53	25.51	36.59	23.47	43.61	50.66
3073	'HEXA'	41.6	35.52	28.83	31.55	33.59	32.84
3074	'HEXB'	79.99	54.26	74.12	64.75	67.8	77.52
3075	'CFH'	35.21	27.17	26.37	13.54	52.58	53.71
3077	'HFE'	0.48	0.69	0.84	0.53	1.8	3.4
308	'ANXA5'	296.54	231.61	350.28	227.86	312.24	426.22
3081	'HGD'	0.17	0.31	0.12	0.33	0.5	0.57
30811	'HUNK'	0	0	0	0	0.08	0
30812	'SOX8'	0.12	0.03	0.19	0.2	0.2	0.22
30813	'VSX1'	0	0.03	0	0	0	0
30815	'ST6GALNA	79.27	83.13	43.62	58.91	117.49	104.44
30816	'ERVW-1'	1.1	1.05	0.77	0.83	1.82	2.38
30817	'ADGRE2'	0.96	0.41	0.89	0.14	0.05	0.34
30818	'KCNIP3'	0	0	0	0.03	0	0
30819	'KCNIP2'	0.39	0.29	0.58	0.18	0.88	0.56
3082	'HGF'	0.02	0	0.03	0.13	0	0.02
30827	'CXXC1'	46.1	38.26	43.19	31.17	47.45	47.15
3083	'HGFAC'	0	0	0	0.05	0	0
30832	'ZNF354C'	2.05	1.92	1.61	1.83	2.23	1.83
30833	'NT5C'	96.65	115.94	121.59	93.11	82.71	91.77
30834	'POLR1H'	28.27	41.95	56.9	37.78	57.57	54.78
30835	'CD209'	0	0	0	0.02	0	0
30836	'DNTTIP2'	22.97	18.28	20.82	19.28	18.59	29.02
30837	'SOCS7'	7.89	4.45	3.24	3.23	3.62	3.41
3084	'NRG1'	0	0	0.02	0.01	0.01	0
30844	'EHD4'	7.52	6.09	8	5.78	5.17	20.37
30845	'EHD3'	2.24	1.48	2.51	0.7	2.18	4.48
30846	'EHD2'	0	0	0.16	0	0.03	0.03
30849	'PIK3R4'	10.04	7.28	7.03	6.19	11.29	8.95
30850	'CDR2L'	0	0.05	0.22	0.03	0.06	0.16
30851	'TAX1BP3'	36.94	35.93	39.5	28.77	28.08	35.9
3087	'HHEX'	5.95	4.51	6.83	2.26	3.02	4.94
309	'ANXA6'	308.15	252.23	393.41	160.99	249.7	435.98
3090	'HIC1'	9.38	10.12	12.75	6.84	44.39	8.31
3091	'HIF1A'	159.61	75.77	74.74	94.31	38.93	109.34
3092	'HIP1'	3.37	2.6	2.12	0.9	5.82	3.47
3093	'UBE2K'	44.09	30.33	36.78	26.87	30.29	46.69

3094 'HINT1'	537.18	631.22	610.49	597.08	544.95	586.36
3096 'HIVEP1'	16.06	5.96	3.98	5.77	5.07	6.43
30968 'STOML2'	95.38	88.9	134.29	93.42	69.32	99.62
3097 'HIVEP2'	24.45	9.74	7.18	12.37	18.11	12.25
3098 'HK1'	123.35	75.32	133.87	76.64	133.66	121.62
3099 'HK2'	5.78	2.49	5.61	3	29.56	3.2
31 'ACACA'	11.8	4.69	9.37	4.45	2.79	9.66
310 'ANXA7'	92.46	65.94	78.37	57.71	49.13	97.75
3101 'HK3'	0	0	0.84	0.15	0	0.18
3104 'ZBTB48'	11.85	12.33	11.87	10.47	15.5	15.95
3105 'HLA-A'	4313.4	4659.3	4597.5	5782.18	6626.02	6544.26
3106 'HLA-B'	5192.3	5355.4	4788.2	5966.63	5925.15	6253.54
3107 'HLA-C'	3746.6	3719.1	2260.9	4063.45	3659.33	4665.51
3108 'HLA-DMA'	165.93	164.16	156.97	115.74	158.91	169.21
3109 'HLA-DMB'	65.02	69.09	75.14	49.05	62.35	66.35
311 'ANXA11'	194.43	148.94	186.6	135.38	207.33	198.89
3110 'MNX1'	0.22	0.2	0.05	0	0.1	0.21
3111 'HLA-DOA'	15.35	17.9	18.19	5.08	32.44	12.67
3112 'HLA-DOB'	2.77	4.02	4.03	0.7	0.43	4.55
3113 'HLA-DPA1	468.57	492.87	419.17	333.48	397.9	306.34
3115 'HLA-DPB1	114.29	138.11	147.17	116.98	182.52	113.97
3117 'HLA-DQA1	110.94	109.24	205.96	159.07	150.1	140.07
3118 'HLA-DQA2	79.51	92.38	1.38	84.43	5.88	21.14
3119 'HLA-DQB1	231.16	270.12	263.42	164.6	272.24	248.25
3120 'HLA-DQB2	0.65	0.61	0.29	0.1	0.55	0.49
3122 'HLA-DRA'	677.12	620.57	795.87	455.3	684.76	574.9
3123 'HLA-DRB1	2474.3	2865.4	1202.7	1070.85	1015.42	868.85
3125 'HLA-DRB3	0	0.1	489.48	175.03	208.97	192.28
3126 'HLA-DRB4	156.34	184.35	17.21	83.07	0.38	0.83
3127 'HLA-DRB5	0	0.26	0.24	17.43	472.07	404.72
313 'AOAH'	149.84	139.92	36.08	82.62	84.51	23.28
3131 'HLF'	0.63	0.56	0.55	0.64	2.06	3.62
3133 'HLA-E'	946.59	999.68	781.87	1184.57	1120.79	1273.31
3134 'HLA-F'	220.02	243.64	203.83	219.06	240.66	352.16
3135 'HLA-G'	3.85	2.07	0.43	4.4	6.55	1.55
314 'AOC2'	1.43	0.64	0.3	1.01	0.72	0.8
3140 'MR1'	13.98	9.89	7.49	8.9	17.4	12.87
3141 'HLCS'	6.22	3.29	3.54	4.52	4.91	6.03
3142 'HLX'	1.25	0.63	0.98	0.42	0.14	1.04
3145 'HMBS'	19.83	19.64	36.17	15.87	10.64	20.64
3146 'HMGB1'	326.08	226.26	421.85	214.73	180.94	253.06
3148 'HMGB2'	630.77	450.18	872.51	458.64	419.97	409.46
3149 'HMGB3'	18.62	13.65	24.58	8.53	7.37	8.13
3150 'HMGN1'	295.08	257.99	347.41	266.5	225.03	338.92
3151 'HMGN2'	506.42	339.75	611.29	313.2	259.76	350.77
3155 'HMGCL'	11.79	16.85	21.23	13.93	50.43	24.95
3156 'HMGCR'	40.56	24.34	30.57	26.13	15.22	26.51
3157 'HMGCS1'	32.41	21	34.89	19.41	13.35	32.61
3159 'HMGA1'	324.32	236.84	425.84	162.36	241.06	217.18
316 'AOX1'	0.03	0.04	0.02	0	0.07	0.03
3161 'HMMR'	18.1	8.5	31.76	5.45	6.31	12.97
3162 'HMOX1'	59.74	34.77	28.81	19.88	97.71	46.69
3163 'HMOX2'	79.27	90.8	163.2	78.88	105.2	172.31
3164 'NR4A1'	11.52	21.99	50.06	13.5	4.26	23.32

3167	'HMX2'	0	0	0.07	0	0	0.08
317	'APAF1'	9.93	7.65	6.73	5.7	11.59	8.49
3171	'FOXA3'	0.07	0.11	0	0.05	0.11	0.06
317649	'EIF4E3'	36.22	29	36.75	19.12	31.44	40.69
317662	'FAM149B1	7.33	7.52	8.19	6.21	12.65	8.94
317671	'RFESD'	1.05	1.04	1.39	0.59	2.51	1.55
3177	'SLC29A2'	7.48	8.93	7.39	5.56	8.08	13.5
317701	'VN1R2'	0.11	0	0	0	0	0
317719	'KLHL10'	0	0	0.05	0	0	0.06
317749	'DHRS4L2'	18.68	21.04	29.37	21	15.99	14.11
317754	'POTED'	0.02	0.01	0	0	0	0
317762	'CCDC85C'	4.25	2.71	1.47	2.43	2.79	2.39
317772	'H2AC21'	0	0.76	1.1	0	0.38	0
317781	'DDX51'	16.6	14.65	10.49	9.75	6.45	12.98
3178	'HNRNPA1'	743.83	538.59	644.82	627.13	402.44	475.23
318	'NUDT2'	27.78	41.51	61.41	29.73	59.99	36.85
3181	'HNRNPA2E	888.1	505.37	945.96	497.1	257.43	628.4
3182	'HNRNPAB'	212.02	133.92	292.03	119.71	76.19	156.53
3183	'HNRNPC'	365.64	255.88	391.75	286.86	249.08	344.3
3184	'HNRNPD'	319.17	198.96	351.69	218.34	202.01	255.35
3185	'HNRNPF'	315.85	166.28	282.47	153.42	245.25	216.51
3187	'HNRNPH1'	427.54	349.1	306.01	351.75	227.54	369.47
3188	'HNRNPH2'	50.07	28.62	34.39	38.76	44.92	61.72
3189	'HNRNPH3'	103.78	75.25	116.49	92.75	63.91	108.51
319	'APOF'	0	0	0.06	0	0	0
3190	'HNRNPK'	486.64	295.34	394.33	293.38	342.81	396.46
3191	'HNRNPL'	501.52	334.23	313.64	331.64	239.25	295.85
319101	'KRT73'	0.1	0.18	1.52	0.52	0.05	0.1
3192	'HNRNPU'	142.76	76.16	134.49	83.53	122.56	139.29
3196	'TLX2'	0.12	0	0.46	0.04	0.1	0.27
3198	'HOXA1'	0.41	0.16	0.55	0.76	1.17	1.29
3199	'HOXA2'	0.08	0	0.06	0.06	0.06	0.14
32	'ACACB'	3.19	1.73	1.05	1.01	2.32	1.99
320	'APBA1'	68.26	41.98	84.62	10.92	57.86	34.66
3200	'HOXA3'	0.26	0.1	0.07	0.05	0.03	0.03
3201	'HOXA4'	0.58	0.31	0.49	0	0.26	0.14
3202	'HOXA5'	0.92	0.76	0.12	0.18	0.07	0.07
3203	'HOXA6'	0.16	0.12	0.24	0	0.13	0.14
3204	'HOXA7'	1.74	0.51	0.65	0.24	0.16	0.18
3205	'HOXA9'	3.39	2.82	1.17	0.87	0.15	0.69
3206	'HOXA10'	4.23	2.31	1.69	1.02	0.65	0.95
3207	'HOXA11'	0.83	0.74	0.29	0.27	0.19	0.09
3208	'HPCA'	0.07	0.15	0.15	0.22	0.56	0.54
321	'APBA2'	12.33	12.39	5.88	11.99	6.17	6.61
3212	'HOXB2'	98.96	88.38	41.59	95.24	37.05	67.6
3213	'HOXB3'	21.81	18.75	7.08	10.96	10.42	6.74
3214	'HOXB4'	21.7	13.22	14.51	9.88	12.67	11.15
3215	'HOXB5'	1.81	1.09	0.45	0.64	0.53	1.32
3216	'HOXB6'	2.08	1.26	1.49	0.41	1.95	1.24
3217	'HOXB7'	3.31	4.61	3.98	2.48	4.58	4.31
3218	'HOXB8'	0.03	0.14	0.14	0	0.36	0.11
3219	'HOXB9'	8.3	2.99	7.09	0.85	7.83	2.62
322	'APBB1'	31.54	31.41	38.34	22.94	39.66	41.2
3221	'HOXC4'	6.52	8.44	5.64	7.52	5.34	6.99

3222 'HOXC5'	0	0	0	0.18	0	0
3223 'HOXC6'	0.08	0.06	0	0	0	0.07
3224 'HOXC8'	0	0.04	0	0	0	0
3225 'HOXC9'	0.19	0.07	0	0	0	0
3226 'HOXC10'	0	0	0	0.1	0	0
3227 'HOXC11'	0	0	0	0.06	0	0
323 'APBB2'	14.21	3.28	1.25	1.46	0.2	0.64
3231 'HOXD1'	0	0	0	0	0	0.06
3235 'HOXD9'	0	0	0	0.05	0	0
324 'APC'	16.42	8.94	4.5	6.77	7.44	8.77
3240 'HP'	0	0	0.17	0	0	0.2
3241 'HPCAL1'	34.49	59.3	54.44	34.22	218.3	58.38
3242 'HPD'	0.1	0	0	0	0	0
3248 'HPGD'	166.78	148.73	221.59	85.09	142.38	146.23
3249 'HPN'	0.08	0.12	0	0.05	0.23	0.2
3251 'HPRT1'	60.97	52.46	85.02	44.39	40.34	47.59
3257 'HPS1'	103.15	84.38	84.71	79.44	121.18	92.03
326 'AIRE'	0.1	0.07	0.22	0	0.15	2.38
3263 'HPX'	0.09	0	0	0	0.42	0.24
3265 'HRAS'	51.14	45.85	47.47	42.55	32.94	43.06
3266 'ERAS'	0	0.32	0	0	0	0
326624 'RAB37'	16.78	27.55	49.19	8.56	41.51	31.57
326625 'MMAB'	20.83	21.73	31.15	16.41	16.91	14.3
3267 'AGFG1'	30.85	17.51	18.21	15.1	19.26	22.91
3268 'AGFG2'	26.62	10.73	23.81	14.06	18.41	45.43
3269 'HRH1'	0.06	0.02	0	0.04	0.22	0.22
327 'APEH'	62.56	53.68	94.03	38.93	52.46	88.37
3273 'HRG'	0	0	0	0	0.05	0.06
3274 'HRH2'	5.76	2.77	2.95	4.3	1.59	3.25
3275 'PRMT2'	75.24	83.5	81.14	78.77	94.04	83.11
3276 'PRMT1'	149.31	114.88	182.01	111.14	95.79	163.07
328 'APEX1'	149.17	148.88	199.14	191.06	121.11	168.49
3280 'HES1'	0.9	1.9	1.93	1.13	0	2.83
3281 'HSBP1'	9.06	8.59	9.56	8.72	7.27	7.41
329 'BIRC2'	36.91	40.11	31.38	36.16	41.4	47.04
3290 'HSD11B1'	0.1	0	0.55	0.07	0.16	3.24
3291 'HSD11B2'	0	0	0	0	0	0.19
3292 'HSD17B1'	0.47	0.62	0.61	0.81	1.27	2.04
3293 'HSD17B3'	0.04	0	0	0.18	0.2	0.46
3295 'HSD17B4'	19.96	15.81	37.73	10.33	37.67	34.11
3297 'HSF1'	82.12	68.67	67.16	51.66	76.39	81.54
3298 'HSF2'	17.27	17.94	12.72	11.02	14.55	15.84
3299 'HSF4'	25.36	51.85	38.51	8.74	159.49	25.19
330 'BIRC3'	34.77	29.11	34.55	27.71	42.54	67.75
3300 'DNAJB2'	38.02	43.41	33.63	36.2	71.24	50.47
3301 'DNAJA1'	118.42	96.33	138.53	117.67	75.75	195.53
3303 'HSPA1A'	87.61	96.67	111.17	47.26	131.21	165.56
3304 'HSPA1B'	31.6	39.86	38.37	30.01	21.68	15.31
3305 'HSPA1L'	1.93	1.43	1.89	2.15	3.53	3.14
3306 'HSPA2'	6.61	6.43	7.27	3.23	7.3	3.13
3308 'HSPA4'	33.58	25.05	33.56	20.48	20.7	36.5
3309 'HSPA5'	369.07	269.43	241.35	296.09	316.77	303.11
331 'XIAP'	11.2	5.26	5.21	6.32	8.02	6.84
3310 'HSPA6'	6.07	8.82	9.09	4.54	5.67	4.68

3312	'HSPA8'	1058.3	816.92	1603.7	865.49	657.21	1354.28
3313	'HSPA9'	166.6	102	117.85	108.09	79.78	113.95
3315	'HSPB1'	33.43	48.59	52.38	63.92	59.6	86.07
332	'BIRC5'	47.07	28	64.45	25.35	15.9	19.79
3320	'HSP90AA1	424.18	254.55	454.15	290.05	207.95	435.92
3321	'IGSF3'	0.06	0.02	0.11	0.06	0.11	0.21
3326	'HSP90AB1	671.84	446.93	693.88	500.69	234.92	567.35
3329	'HSPD1'	132.2	77.96	190.59	86.21	76.75	116.13
333	'APLP1'	0.17	0.53	0.36	0.83	1.18	0.39
3336	'HSPE1'	144.6	144.39	312.5	150.44	87.05	181.99
3337	'DNAJB1'	93.27	119.56	113.77	114.54	92.82	188.42
3338	'DNAJC4'	56.82	85.14	57.71	70.93	124.09	77.42
3339	'HSPG2'	0.14	0.03	0.41	0.05	0.46	0.12
333929	'SNAI3'	6.21	4.88	10.67	6.32	21.19	18.7
333932	'H3C15'	1.38	2.08	1.02	1.93	0.71	2
334	'APLP2'	31.57	23.62	23.57	21.72	28.43	25.56
3340	'NDST1'	0.67	0.31	0.44	0.3	0.1	0.43
3344	'FOXN2'	41.37	33.27	19.74	24.99	21.03	28.57
335	'APOA1'	0	0.42	0.55	0.13	0.86	0
3352	'HTR1D'	0	0	0	0.03	0	0
3354	'HTR1E'	0	0	0	0	0	0.02
3355	'HTR1F'	0	0	0.06	0	0.03	0
3357	'HTR2B'	0.65	0.17	0.29	0.11	0.24	0.14
3359	'HTR3A'	0	0	0.1	0	0	0
336	'APOA2'	0	0	0.41	0	0	0
3360	'HTR4'	0	0	0	0.09	0	0
3362	'HTR6'	0	0.03	0.07	0.05	0	0.06
3363	'HTR7'	0.15	0.06	0.08	0.03	0.06	0.13
3364	'HUS1'	12.5	7.73	8.34	9.95	5.49	10.52
3371	'TNC'	0.07	0.03	0.28	0.06	0.79	0.21
3373	'HYAL1'	5.59	3.43	1.74	2.18	3.75	2.56
3375	'IAPP'	0.21	0	0	0.2	0.06	0
3376	'IARS1'	68.37	28.77	63.28	30.71	36.85	42.95
337867	'UBAC2'	30.51	34.8	44.42	29.68	69.86	54.79
337876	'CHSY3'	0.09	0.07	0.02	0.02	0.09	0.08
338	'APOB'	0	0	0	0.01	0	0
3382	'ICA1'	1.91	2.99	2.65	1.59	2.45	1.21
3383	'ICAM1'	74.23	60.9	46.62	38.06	46.17	78.56
338322	'NLRP10'	0	0	0	0.02	0	0
338323	'NLRP14'	0	0	0	0	0	0.03
338339	'CLEC4D'	0	0	0.27	0	0	0
338382	'RAB7B'	0	0	0	0.13	0	0.04
3384	'ICAM2'	39.48	44.24	128.43	43.78	116.67	104.23
338440	'ANO9'	14.06	17.89	9.81	19.78	41.91	29.59
338442	'HCAR2'	0.07	0.05	1.26	1.36	0.15	0.33
3385	'ICAM3'	308.18	351.91	296.19	258.33	354.95	285.7
338557	'FFAR4'	0	0	0	0	0	0.03
338596	'ST8SIA6'	1.52	1.59	1.73	0.83	2.31	1.65
338599	'DUPD1'	0.03	0.04	0	0.04	0	0
3386	'ICAM4'	0.34	2.17	1.13	1.04	0.19	1.2
338645	'LUZP2'	0	0	0	0.04	0	0.04
338657	'CCDC84'	37.7	51.9	43.89	42.98	32.44	55.79
338667	'VSIG10L2	0	0	0.06	0	0	0
338692	'ANKRD13I	82.74	73.91	71.46	66.31	68.6	96.58

338699	'ANKRD42'	1.6	1.68	1.31	1.64	2.29	1.73
338707	'B4GALNT4	0.03	0.05	0.09	0	0.13	0.09
338761	'C1QL4'	0	0	0	0	0.06	0
338773	'TMEM119'	3.97	4.12	1.53	2.93	0.57	9.03
338785	'KRT79'	0	0	0	0.04	0.05	0.06
338811	'TAFA2'	0.41	0.06	0.45	0.75	0.15	0.75
338872	'C1QTNF9'	0.15	0	0.06	0.11	0.06	0.23
339105	'PRSS53'	3.31	4.08	2.41	2.61	5.64	3.58
339122	'RAB43'	21.5	22.09	12.71	8.8	11.99	16.06
339123	'JMJD8'	73.1	55.55	68.98	59.37	30.65	66.95
339145	'CIBAR2'	0	0	0	0	0.21	0
339168	'TMEM95'	0	0.19	0	0	0	0
339175	'METTL2A'	6.97	4.75	8.13	5.91	6.65	8.59
339210	'C17orf67	1.59	1.61	1.68	1.07	1.35	3.37
339221	'ENPP7'	0.07	0.2	0	0	0.04	0
339229	'OXLD1'	11.56	22.7	31.54	22.49	33.39	36.47
339230	'CCDC137'	30.18	24.8	37.13	23.82	24.02	31.18
339231	'ARL16'	26.83	29.87	26.8	29.04	22.92	31.71
339287	'MSL1'	70.82	56.87	56.16	56.21	67.47	73.37
339302	'CPLX4'	0	0	0	0	0	0.06
339318	'ZNF181'	2.79	2.6	2.06	2.68	6.35	4.46
339324	'ZNF260'	2.84	2.51	2.12	2.42	5.68	4.19
339327	'ZNF546'	0.49	0.39	0.53	0.38	1.37	0.99
339344	'MYPOP'	17.55	14.47	14.39	11.98	16.77	15.94
339345	'NANOS2'	0	0	0.34	0	0.35	0.08
339366	'ADAMTSL5	0.71	1.55	2.06	0.86	1.63	2.34
339398	'LINGO4'	0.39	0.19	0.33	0.87	0.08	2.12
3394	'IRF8'	43.25	29.61	15.15	12.53	5.45	12.3
339403	'RXFP4'	0.69	0.23	0.15	0.14	0.08	0.26
339416	'ANKRD45'	0	0.06	0	0	0.05	0
339448	'C1orf174	20.48	13.74	13.96	14.9	19.9	15.41
339451	'KLHL17'	11.84	16.87	9.94	9.24	12.14	16.35
339453	'TMEM240'	0	0.24	0	0	0.16	0
339456	'TMEM52'	0	0.26	0.65	0.37	0.41	0.46
339487	'ZBTB8OS'	23.14	21.66	32.56	21.2	23.33	30.33
339488	'TFAP2E'	2.17	2.94	1.3	3.25	2.13	3.38
339500	'ZNF678'	1.54	1.11	1.18	1.3	2.1	2.21
339501	'PRSS38'	0.39	1.73	0.71	0.42	1.26	0.36
339541	'ARMH1'	0.7	0.73	1.04	0.34	1.42	0.76
339559	'ZFP69'	3.39	3.38	4.01	2.14	1.46	2.72
3396	'MRPL58'	32.63	38.34	66.51	32.25	36.34	63.52
339665	'SLC35E4'	4.2	3.87	4.63	2.15	3.14	5.36
3397	'ID1'	3.29	5.66	2.81	2.64	0.76	8.62
339745	'SPOPL'	20.69	11.7	8.37	12.1	11.49	12.99
339768	'ESPNL'	0	0	0	0	0	0.03
3398	'ID2'	231.88	298.02	332.12	208.08	379.41	348.87
339804	'C2orf74'	7.25	10.87	29.14	17.99	55.94	32.1
339829	'CCDC39'	0.92	0.62	0.46	0.67	1.1	0.98
339834	'IHO1'	0.1	0.04	0.04	0	0.08	0.05
339855	'KY'	0	0	0.03	0.05	0	0
339883	'C3orf35'	3.75	3.85	1.97	3.48	1.81	2.37
3399	'ID3'	1.37	2.2	2.03	1.44	2.79	3.89
339967	'TMPRSS11	0	0	0	0	0.06	0
339977	'LRRC66'	0.19	0.08	0.08	0.16	0.35	0.62

339983	'NAT8L'	0	0.08	0.06	0.06	0.08	0.2
34	'ACADM'	30.73	19.17	33.84	16.41	25.48	31.73
340024	'SLC6A19'	0	0	0.02	0	0	0
340061	'STING1'	92.32	108.47	133.38	39.44	116.39	135.89
340069	'FAM170A'	0	0	0	0	0	0.11
340075	'ARSI'	0	0.03	0	0.03	0	0
340120	'ANKRD34B'	0	0	0.08	0	0	0
340152	'ZC3H12D'	3.58	3.2	1.9	3.42	3.36	9.98
340156	'MYLK4'	0.15	0.11	0.06	0.19	0.09	0.37
340205	'TREML1'	0	0.12	0	0.08	0	0
340252	'ZNF680'	3.94	3.34	3	3.61	7.81	4.36
340267	'COL28A1'	0.08	0.06	0.03	0	0.03	0.04
340273	'ABCB5'	0	0	0	0.04	0	0.03
340277	'FAM221A'	4.18	5.17	3.16	5.31	3.45	4.7
340307	'CTAGE6'	0.47	0	0.06	0.24	3.1	0.12
340348	'TSPAN33'	4.15	3.91	4.91	4.63	6.37	16.23
340351	'AGBL3'	0.97	1.41	1.38	1.2	1.95	1.63
340371	'NRBP2'	7.59	7.44	5.84	6.6	7.53	10.55
340385	'ZNF517'	2.11	2.08	2.07	1.53	3.99	2.65
340390	'WDR97'	0.4	0.37	0.33	0.33	0.26	0.59
340393	'TMEM249'	0.46	0.4	0.53	0.25	0.76	0.31
340419	'RSPO2'	0.05	0	0	0	0	0
340441	'POTEA'	0	0	0	0	0.03	0
340481	'ZDHHC21'	10.4	4.37	2.83	4.6	4	6.5
340485	'ACER2'	0.99	0.96	1.01	0.26	4.18	1.48
340526	'RTL5'	1.61	0.33	0.36	1.78	1.33	2.27
340527	'NHSL2'	1.23	0.6	1.21	1.52	4.77	1.28
340533	'NEXMIF'	0.02	0	0.02	0.01	0.02	0.04
340542	'BEX5'	5.5	6.57	6.44	5.45	4.79	4.95
340547	'VSIG1'	0.46	0.51	0.41	0.73	1.37	2.02
340554	'ZC3H12B'	0.45	0.19	0.15	0.26	0.61	0.32
340596	'LHFPL1'	0	0	0	0	0.14	0.1
340602	'EZHIP'	0	0.05	0	0	0.06	0.06
340706	'VWA2'	0.02	0.03	0.02	0	0.02	0.02
340719	'NANOS1'	0.19	0.19	0.19	0.22	0.34	0.11
340784	'HMX3'	0.09	0.07	0.07	0	0	0.04
341	'APOC1'	1.88	3.17	17.18	1.63	0.36	1.22
341019	'DCDC1'	0	0	0.02	0	0	0.02
341116	'MS4A10'	0	0	0	0.04	0	0.05
341208	'HEPHL1'	0	0	0.02	0.01	0	0
341346	'SMCO2'	0.02	0.11	0.22	0.11	0.2	0.4
341350	'OVCH1'	0	0.01	0	0	0.04	0.02
341359	'SYT10'	0	0	0.02	0	0	0
341567	'H1-7'	0.23	0.09	0	0.08	0.27	0.1
3416	'IDE'	10.9	7.73	11.27	5.58	9.14	12.58
341640	'FREM2'	0	0	0	0	0	0.01
341676	'NEK5'	0.15	0.15	0.25	0.95	0.57	0.46
3417	'IDH1'	12.6	12.62	17.32	12.98	14.89	24.04
3418	'IDH2'	176.23	150.47	196.92	125.81	200.83	155.15
3419	'IDH3A'	27.5	21.57	32.63	19.37	12.01	31.99
3420	'IDH3B'	127.43	112.03	118.76	105.09	71.3	110.59
342035	'GLDN'	0	0	0	0.02	0	0
342096	'GOLGA6A'	0.2	0	0	0	0	0
3421	'IDH3G'	152.94	147.34	170.45	129.36	167.85	173.25

342125	'TMC3'	0.13	0	0	0.02	0.06	0.09
342132	'ZNF774'	0.12	0.37	0.21	0.11	1.17	0.48
342184	'FMN1'	0.24	0.1	0.44	0.2	0.19	0.56
3422	'IDI1'	162.37	143.77	174	100.82	82.53	176.57
3423	'IDS'	159.63	101.38	67.39	164.32	92.38	114.32
342346	'C16orf96	0.07	0.05	0.03	0.05	0.05	0.1
342357	'ZKSCAN2'	2.3	2.04	1.17	0.73	1.34	2.27
342371	'ATXN1L'	26.61	11.97	7.87	10.57	10.14	13.28
342372	'PKD1L3'	0.06	0	0.02	0.02	0	0
3425	'IDUA'	13.73	15.08	8.18	12.39	7.56	19.7
342527	'SMTNL2'	0	0.11	0	0	0	0
342538	'NACA2'	3.95	1.82	2.11	3.54	5.11	1.34
342618	'SLFN14'	1.14	0.61	0.4	0.47	0.82	0.64
342667	'STAC2'	0	0	0	0.06	0	0
3428	'IFI16'	198.32	99.99	219.45	143.9	203.54	256.83
342850	'ANKRD62'	0.03	0.04	0	0.06	0.04	0.02
342865	'VSTM2B'	0.12	0	0	0.07	0	0
342892	'ZNF850'	0.88	0.97	0.46	0.66	0.66	0.68
342897	'NCCRP1'	0.14	0	0	0.19	0	0.06
3429	'IFI27'	1.26	1.84	18.98	21.77	1.42	219.51
342900	'LEUTX'	0	0	0	0	0	1.5
342908	'ZNF404'	0.15	0.39	0.55	0.42	0.93	0.32
342909	'ZNF284'	0.86	0.51	0.39	0.52	0.94	0.86
342918	'C19orf81	0	0	0.17	0.17	0.37	0
342926	'ZNF677'	0.25	0.19	0.26	0.1	0.06	0.21
342933	'ZSCAN5B'	0.09	0	0	0.12	0.13	0
342945	'ZSCAN22'	2.66	1.33	1.22	1.5	3.4	2.96
342977	'NANOS3'	0.41	0	0.46	0	0.8	0.36
342979	'PALM3'	0	0	0	0	0.09	0.1
343	'AQP8'	0.47	0.71	0.35	0.54	0	0.82
3430	'IFI35'	56.56	62.16	105.87	91.97	51.71	220.32
343099	'CCDC18'	6.14	4.22	5.54	2.53	2.46	4.53
3431	'SP110'	31.01	21.66	43.77	39.05	27.42	93.78
343171	'OR2W3'	0.52	0.13	0.51	0	0	0
343172	'OR2T8'	0.04	0.03	0.03	0	0	0.15
343173	'OR2T3'	0	0	0	0	0	0.07
3433	'IFIT2'	0.83	0.37	1.37	1.85	0.73	7.98
3434	'IFIT1'	0.35	0.18	1.04	2.5	0.36	19.48
343413	'FCRL6'	1.66	0.57	0.45	2.56	1.11	1.81
343450	'KCNT2'	0	0	0	0	0	0.02
343505	'NBPF7'	0.35	0.26	0.19	0.18	0.2	0.46
343521	'TCTEX1D4	1.62	1.05	0.69	1.07	1.36	2.25
343563	'OR2T29'	0	0	0.13	0.12	0	0
343578	'ARHGAP40	0	0	0	0	0	0.04
343637	'RSPO4'	0	0	0	0.07	0.04	0.04
3437	'IFIT3'	3.09	1.65	13.9	20.3	4.02	89.35
343702	'XKR7'	0.02	0.01	0.02	0	0.01	0
343990	'CRACDL'	0.51	0.66	0.24	0.39	0.38	0.49
344	'APOC2'	0.89	3.8	2.63	1.66	0.69	0.26
344167	'FOXI3'	0.05	0	0	0.03	0	0
3442	'IFNA5'	0	0.37	0	0.23	0	0.14
344387	'CDKL4'	0.23	0.48	0.41	0.44	0.56	0.26
344558	'SH3RF3'	0.05	0.02	0.02	0.05	0.04	0.05
344787	'ZNF860'	0.12	0	0	0.06	0.06	0

344807	'CD200R1L	0.11	0	0.17	0	0	0
344901	'OSTN'	0.04	0	0	0	0	0
345051	'REELD1'	0.55	0.97	0.47	0.92	1.77	0.56
345079	'SOWAHB'	0	0	0.05	0	0	0.08
345193	'LRIT3'	0.17	0.22	0.73	0.15	0.17	0.32
3452	'IFNA21'	0	0	0.11	0	0	0
345222	'MSANTD1'	0.58	0.48	0.43	0.63	0.45	0.36
345274	'SLC10A6'	0	0	0	0	0	0.08
345275	'HSD17B13	0.57	0.42	0.17	1.08	0.7	0.85
3454	'IFNAR1'	25.4	17.8	20.59	20.15	22.57	30.23
345462	'ZNF879'	0.83	0.47	0.71	0.2	2.22	1.08
3455	'IFNAR2'	17.36	17.15	17.63	15.08	26.72	17.19
3456	'IFNB1'	0	0.15	0	0	0.16	0
345611	'IRGM'	1.43	0.96	0.88	1.36	0.85	0.89
345630	'FBLL1'	0	0.08	0.08	0	0	0
345643	'MCIDAS'	0	0	0.05	0.04	0	0
345757	'FAM174A'	8.64	9.74	10.16	12.9	6.49	12.83
345778	'MTX3'	19.7	15.96	10.81	11.08	12.46	18.16
3458	'IFNG'	645.28	832.59	693.09	456.97	118.37	421.97
345895	'RSPH4A'	2.03	2.26	1.16	1.83	0.23	1.84
3459	'IFNGR1'	46.11	50.35	41.87	45.44	40	69.26
345930	'ECT2L'	0.06	0	0.05	0.09	0.13	0.08
3460	'IFNGR2'	1.8	1.18	3.8	2.72	3.23	5.76
346007	'EYS'	0	0	0.09	0	0	0
346157	'ZNF391'	0.06	0.1	0.1	0.09	0.48	0.18
346171	'ZFP57'	0.08	0.38	0	4.99	11.93	0.8
346288	'SEPTIN14	0.13	0.23	0.13	0.36	0.13	0.24
346389	'MACC1'	2.89	0.9	0.47	0.65	0.44	0.77
346528	'OR2A1'	1.69	1.44	1.28	2.19	0.75	3.97
346606	'MOGAT3'	0	0.05	0	0	0.05	0
346653	'FAM71F2'	0.33	0.32	0.22	0.29	0.4	0.71
346689	'KLRG2'	0	0.06	0	0	0	0.16
3467	'IFNW1'	0	0	0.09	0	0	0
347	'APOD'	0.2	0	0.15	0	0.76	0.51
347051	'SLC10A5'	0.1	0.08	0.15	0	0	0
347148	'QRFP'	0	0.13	0.13	0.24	0	0.07
347169	'OR1B1'	0.07	0	0.13	0	0	0
347240	'KIF24'	3.1	1.42	3.24	1.38	3.47	1.61
347273	'CAVIN4'	0.17	0.09	0.31	0.2	0.19	0.25
347344	'ZNF81'	3.2	2.7	2.53	2.06	4	5.86
347404	'LANCL3'	0.53	0.32	0.39	0.29	0.55	0.3
347411	'MPC1L'	0	0	0.28	0	0	0.33
347454	'SOWAHD'	0.7	0.33	0.78	0.67	1.43	1.07
347475	'CCDC160'	0	0.07	0.2	0	0	0
3475	'IFRD1'	27.89	25.93	16.46	23.81	11.14	30.45
347516	'DGAT2L6'	0	0	0	0.06	0.13	0.07
347517	'RAB41'	0.31	0.2	0.13	0.3	0.21	0.23
3476	'IGBP1'	73.13	89.89	83.7	86.26	164.38	93.65
347688	'TUBB8'	0	0	0	0	0.22	0.16
347731	'LRRTM3'	0	0	0	0	0	0.02
347732	'CATSPER3	0.32	0.16	0.56	0.08	0.5	0.85
347733	'TUBB2B'	0.57	0.49	0	0.19	0	0.41
347734	'SLC35B2'	74.46	64.26	64.22	39.96	59.03	80.93
347735	'SERINC2'	0.14	0.22	0.75	0.66	0.39	0.44

347736	'NME9'	0.38	0.3	0.46	0.15	0.55	0.81
347744	'C6orf52'	1.06	1.7	3.95	0.71	2.12	3.18
347853	'TBX10'	0	0	0	0	0.06	0
347862	'GATD1'	38.52	15.73	14.32	13.85	24.17	17.48
3479	'IGF1'	4.44	5.21	1.07	1.96	5.61	2.93
347902	'AMIGO2'	7.18	7.37	5.16	5.54	8.52	6.62
348	'APOE'	2.77	1.77	14.67	11.95	0.31	3.27
3480	'IGF1R'	0.98	0.54	0.83	0.55	0.87	1.11
348013	'TMEM255B	0.02	0.06	0.23	0.04	0.1	0.14
348093	'RBPMS2'	0	0.05	0	1.27	0	0.41
348094	'ANKDD1A'	1.57	1.6	1.39	1.43	1.17	2
3481	'IGF2'	0.03	0.02	0.02	0.02	0.04	0
348110	'ARPIN'	0.02	0.01	0	0.01	0.01	0.02
348174	'CLEC18A'	0.46	0.65	0.39	1.56	0.03	0.85
348180	'CTU2'	14.89	11.83	16.93	13.76	3.5	14.85
3482	'IGF2R'	75.91	30.69	20.97	23.59	30.58	19.87
348235	'SKA2'	53.4	34.4	56.33	30.27	22.89	41.25
348262	'MCRIP1'	126.32	104.31	73.48	99.98	46.13	76.48
3483	'IGFALS'	0.62	0.2	0.34	0.23	0.2	1.3
348327	'ZNF530'	3.56	2.83	2.33	2.17	3.94	3.58
348378	'SHISAL2A	8.15	13.14	11.46	12.05	16.39	6.61
3484	'IGFBP1'	0	0	0.07	0	0	0
348487	'FAM131C'	8.88	14.98	18.45	1.3	11.21	3.4
3485	'IGFBP2'	0.31	1.02	0	4.1	23.73	0
3486	'IGFBP3'	3.75	3.79	6.6	2.71	4.11	15.58
348645	'C22orf34	1.78	1.25	1.29	1.88	2.26	1.74
348654	'GEN1'	15.05	8.56	9.64	5.39	5.74	8.69
3487	'IGFBP4'	0.73	0.5	1.35	1.06	7.43	5.36
348751	'FTCDNL1'	0.29	0.08	0.94	0.34	2.04	0.52
348793	'WDR53'	19.77	22.97	17.37	23.47	17.28	22.88
3488	'IGFBP5'	0.18	0.18	0.4	0.03	0.08	0.03
348801	'LNP1'	0.51	0.56	1.31	0.46	0.92	0.84
348807	'CFAP100'	0.05	0.05	0.06	0	0	0
3489	'IGFBP6'	0.86	0.78	0.51	1.57	0.67	1.2
348938	'NIPAL4'	0.28	0.06	0.15	0.21	0.03	0.38
348980	'HCN1'	0	0	0	0.01	0	0
348995	'NUP43'	5.13	2.68	4.81	2.54	7.62	4.07
3490	'IGFBP7'	221.74	164.37	99.43	75.67	47.37	25.49
349075	'ZNF713'	0.6	0.24	0.15	0.34	0.52	0.2
3491	'CCN1'	0.06	0	0	0	0	0.05
349136	'WDR86'	0.84	0.59	0.31	0.68	1.18	3.48
349149	'GJC3'	0	0.1	0.1	0	0.32	0.12
349334	'FOXD4L4'	0	0	0.09	0	0.09	0.08
349565	'NMNAT3'	0.22	0.26	0.78	0.45	0.11	0.08
349633	'PLET1'	0	0.07	0	0	0	0
349667	'RTN4RL2'	1.08	0.18	0.36	0.59	0.75	1.58
35	'ACADS'	14.66	16.8	16.41	12.98	18.81	13.82
350	'APOH'	0	0	0	0	0	0.11
3508	'IGHMBP2'	22.76	17.3	11.57	10.37	10.07	18.47
351	'APP'	10.45	3.27	1.77	2.78	5.07	9.34
3512	'JCHAIN'	36.32	4.44	154.74	0.81	8.06	1020.5
3516	'RBPJ'	37.45	20.52	13.29	24.7	38.52	26.4
352909	'DNAAF3'	0	0.05	0	0	0.15	0.11
352954	'CASTOR3'	18.33	13.63	8.55	9.38	11.58	20.02

352999	'C6orf58'	0	0	0	0	0.1	0
353	'APRT'	200.98	251.21	260.26	256.33	139.73	232.65
353088	'ZNF429'	0.46	0.33	0.7	0.69	1.89	0.82
353091	'RAET1G'	0.09	0.05	0.05	0	0	0.05
353116	'RILPL1'	1.45	2.14	1.57	3.24	1.79	3.24
353132	'LCE1B'	0	0	0	0	0.21	0
353135	'LCE1E'	0	0.09	0	0	2.44	0.22
353149	'TBC1D26'	0	0	0	0	0.06	0.06
353164	'TAS2R42'	0.17	0	0	0	0	0
353174	'ZACN'	0.11	0.15	0	0	0	0.09
353189	'SLCO4C1'	7.61	4.55	4.08	3.72	3.45	3.13
353219	'KAAG1'	0	0	0.08	0	0	0
353238	'PADI6'	0.06	0	0.21	0.12	0	0.77
353274	'ZNF445'	2.98	1.13	1.02	1.2	2.48	1.27
353322	'ANKRD37'	2.56	3.33	5.15	4.58	38.09	4.1
353324	'SPATA12'	0	0	0	0	0.11	0
353345	'GPR141'	2.83	3.04	1.84	1.77	4.46	1.17
353355	'ZNF233'	0.27	0.4	0.32	0.17	0.77	0.29
353376	'TICAM2'	2.18	1.5	1.72	1.55	3.35	2.14
353497	'POLN'	0.08	0.3	0.51	0.34	0.82	1.48
353500	'BMP8A'	1.82	1.12	0.4	0.61	1.64	1.01
353514	'LILRA5'	0	0	0	0.22	0	0
3543	'IGLL1'	2.8	3	4.96	2.45	2.87	2.83
3549	'IHH'	0.11	0.08	0	0.15	0.08	0.05
355	'FAS'	76.62	70.97	78.46	62.88	90.75	122.47
3550	'IK'	140.02	113.22	166.85	114.08	140.19	189.1
3551	'IKBKB'	46.24	26.01	26.74	27.31	36.53	37.19
3552	'IL1A'	0.2	0	0.3	0.09	0.21	5.23
3553	'IL1B'	0.19	0	0.56	0.53	0	0.58
3554	'IL1R1'	0.34	0.16	0.3	0.46	0.16	4.43
3556	'IL1RAP'	23.93	19.5	15.51	6.54	13.13	10.2
3557	'IL1RN'	0.25	0.32	0.19	3.82	0.46	2.07
3558	'IL2'	0	0	0.47	0	0	0.27
3559	'IL2RA'	386.13	218.21	220.04	210.92	169.34	277.07
356	'FASLG'	28.68	16.57	22.97	17.53	26.75	22.49
3560	'IL2RB'	689.68	336.25	294.53	252.28	455.08	285.32
3561	'IL2RG'	1740.4	1562.1	1309.4	1204.4	2546.43	2146.45
3562	'IL3'	0.18	0	0	0	0	0
3563	'IL3RA'	9.51	3.91	9.08	2.09	3.05	10.72
3565	'IL4'	0	0	1.48	0	0.26	0.34
3566	'IL4R'	220.33	142.23	124.02	103.68	127.84	123.84
3567	'IL5'	0.21	0.32	2.53	0	0	0.18
3568	'IL5RA'	0.6	0.37	1.02	0.6	0.02	0.37
3569	'IL6'	1.22	0.89	1.32	1.12	0.46	0.87
357	'SHROOM2'	0	0	0	0	0	0.02
3570	'IL6R'	1.15	0.4	1.34	0.67	1.08	10.01
3572	'IL6ST'	17.94	18.26	15.03	8.46	19.35	30.77
3574	'IL7'	1.55	0.87	2.03	0.52	0.96	3.83
3575	'IL7R'	47.83	48.13	50.23	45.35	114	163.72
3576	'CXCL8'	13.43	5.17	25.92	14.72	3.39	6.26
3577	'CXCR1'	0.86	0.69	4.39	0.68	1.67	2.21
3579	'CXCR2'	0.57	0.19	0.41	1.38	0.89	0.36
358	'AQP1'	0.05	0.2	0.31	0.13	0.04	0.17
3581	'IL9R'	13.47	10.22	23.88	15.19	34.42	17

3586	'IL10'	0.17	0.13	0.06	0.3	0.19	2.94
3587	'IL10RA'	200.48	163.85	125.78	117.83	266.82	255.49
3588	'IL10RB'	27.6	29.62	39.31	24.5	49.74	41.04
3589	'IL11'	0.28	0.18	0.14	0.04	0.09	0.27
359	'AQP2'	0	0	0	0	0	0.03
3590	'IL11RA'	11.68	15.51	8.1	9.62	12.14	15.05
3592	'IL12A'	1.69	3.81	3.78	1.01	0.17	2.36
3593	'IL12B'	0.06	0.04	0.04	0	0	0.05
3594	'IL12RB1'	76.97	63.01	67.3	53.01	59.98	102.8
3595	'IL12RB2'	174.96	66.66	72.78	50.38	42.81	58.33
3596	'IL13'	2.54	2.01	16.29	1.54	1.35	18.27
3597	'IL13RA1'	0.44	0.14	0.38	0.55	0.27	1.41
359787	'DPPA3'	0.14	0	0	0	0.11	0
359845	'RFLNB'	149.7	107.43	87.22	86.03	98.35	93.82
359948	'IRF2BP2'	48.5	37.25	29.51	40.74	31.7	50.34
36	'ACADSB'	9.85	9.92	7.3	7.63	14.15	12.57
360	'AQP3'	24.01	17.74	22.67	38	27.45	194.01
3600	'IL15'	4.17	5.38	3.01	5.14	4.46	6.38
360023	'ZBTB41'	3.72	2.32	1.24	1.98	3.54	2.29
3601	'IL15RA'	22.67	22.55	28.35	29.19	26.51	39.15
360200	'TMPRSS9'	0.06	0	0	0.13	0	0.05
3603	'IL16'	28.04	21.79	28.27	19.55	85.6	33.73
3604	'TNFRSF9'	2.75	2.37	2.41	1.54	4.94	1.29
3605	'IL17A'	0	0	0	0	0	1.09
3606	'IL18'	4.14	5.63	4.32	3.1	1.6	1.2
3607	'FOXK2'	33.76	20.76	24.84	18.63	20.77	24.7
3608	'ILF2'	245.45	176.81	275.8	183.76	105.78	195.33
3609	'ILF3'	252.95	149.83	146.4	125.48	107.37	144.93
3611	'ILK'	130.73	117.73	181.25	75.78	198.83	164.36
3612	'IMPA1'	16.25	13.04	14.03	12.38	12.75	15.06
3613	'IMPA2'	14.71	13.51	20.07	8.8	13.45	7.68
3614	'IMPDH1'	54.13	59.02	69.88	30.58	96.64	62.11
3615	'IMPDH2'	97.82	85.07	170.43	72.31	143.5	84.58
3617	'IMPG1'	0.04	0	0	0	0	0
3619	'INCENP'	45.76	15.21	31.29	11.73	16.47	17.45
3620	'IDO1'	0.56	0.66	0.28	1.4	0.13	1.33
3621	'ING1'	15.15	17.66	20.69	16.12	22.2	23.26
3622	'ING2'	14.97	25.9	25.61	20.34	33.77	22.48
3624	'INHBA'	0.12	0.02	0.09	0.34	0	0.11
3625	'INHBB'	0.04	0	0.03	0.06	0	0.14
3626	'INHBC'	0.04	0.09	0.09	0.03	0.03	0.18
3627	'CXCL10'	0.77	0.1	2.88	0.81	0.5	2.93
3628	'INPP1'	12.87	13.27	15.03	7.97	9.82	13.12
363	'AQP6'	0.05	0.04	0	0	0.04	0.05
3631	'INPP4A'	63.38	37.38	41.79	26.88	48.6	60.93
3632	'INPP5A'	3.47	3.03	3.1	2.68	4.08	4.68
3633	'INPP5B'	23.2	15.19	12.38	12.37	14.83	15.79
3635	'INPP5D'	100.61	75.05	69.49	48.14	120.2	105.38
3636	'INPPL1'	58.84	52.48	41.52	27.46	54.27	59.55
3638	'INSIG1'	153.31	115.9	122.82	106.72	76.85	137.59
364	'AQP7'	0.05	0	0	0.05	0.06	0.17
3640	'INSL3'	5.31	5.83	4.67	4.89	6.25	47.05
3641	'INSL4'	0	0.05	0	0	0	0
3642	'INSM1'	0.05	0	0	0.06	0	0.04

3643	'INSR'	0.59	0.35	0.41	0.23	0.59	0.38
3645	'INSRR'	0.1	0.02	0.02	0.17	0.15	0.1
3646	'EIF3E'	220.59	223.5	208.5	193.39	333.77	200.36
3652	'IPP'	3.61	3.41	2	3.12	3.77	3.15
3654	'IRAK1'	120.49	75.65	80.94	64.74	106.46	107.34
3655	'ITGA6'	6.92	3.49	5.09	3.31	6.79	10.74
3656	'IRAK2'	13.54	7.88	4.87	7.98	8.16	8.11
3658	'IREB2'	24.35	15.38	11.71	11.53	13.45	18.32
3659	'IRF1'	87.38	77.27	165.99	89.37	98.23	345.79
366	'AQP9'	0.05	0	0.04	0.42	0	0.09
3660	'IRF2'	46.71	30.06	52.67	37.76	70.61	63.65
3661	'IRF3'	83.65	110.69	111.41	78.86	118.62	138.71
3662	'IRF4'	105.72	55.89	67.61	43.58	42.19	99.85
3663	'IRF5'	31.18	18.5	19.71	13.24	18.22	32.28
3664	'IRF6'	0.2	0.17	0.11	0.14	0.14	0.44
3665	'IRF7'	35.95	26.15	67.34	101.24	69.25	263.34
3667	'IRS1'	0.83	0.61	3.67	1.74	2.61	3.28
3669	'ISG20'	110.94	157.61	168.56	169.37	246.25	368.43
367	'AR'	0.01	0	0	0.02	0.02	0.01
3672	'ITGA1'	41.39	22.3	9.99	15.2	20.66	5.47
3673	'ITGA2'	25.23	11.47	9.42	7.48	7.15	14.06
3674	'ITGA2B'	0.71	0.77	6.24	0.28	0.59	0.56
3675	'ITGA3'	4.98	4.18	4.13	6.05	7.62	14.33
3676	'ITGA4'	141.8	120.15	119.28	65.73	65.45	108.39
3678	'ITGA5'	98.87	51.43	36.56	79.86	202.04	67.83
3679	'ITGA7'	0.35	0.63	0.75	0.54	1.02	0.98
368	'ABCC6'	0.07	0.05	0.06	0	0.08	0.04
3680	'ITGA9'	0.06	0	0.08	0.01	0.01	0.03
3681	'ITGAD'	0.94	0.86	1.57	0.34	0.21	0.56
3682	'ITGAE'	4.69	4.74	3.64	4.9	5.67	4.8
3683	'ITGAL'	561.61	411.15	331.25	279.96	388.66	655.09
3684	'ITGAM'	77.96	67.87	74.74	29.92	65.73	54.74
3685	'ITGAV'	6.99	5.06	2.94	3.73	5.81	5.41
3687	'ITGAX'	16.58	20.06	12.32	5	6.93	6.36
3688	'ITGB1'	178.06	115.23	143.46	109.76	182.02	259.7
3689	'ITGB2'	708.17	661.84	526.29	452.63	462.85	374.43
369	'ARAF'	111.15	88.1	79.11	76.77	64.56	106.66
3690	'ITGB3'	0.08	0	0.26	0.04	0.03	0.47
3691	'ITGB4'	0.49	0.37	0.19	0.36	0.81	0.31
3692	'EIF6'	174.91	173.08	213.19	176.76	149.3	210.13
3693	'ITGB5'	0.42	0.04	0.12	0.15	0.16	0.21
3695	'ITGB7'	228.35	229.45	215.35	159.08	228.91	351.02
3696	'ITGB8'	0.08	0.05	0.05	0.06	0.01	0.02
3697	'ITIH1'	0	0	0	0.04	0.04	0.05
3698	'ITIH2'	0	0.03	0	0.03	0	0
3699	'ITIH3'	0.08	0	0	0.06	0	0
37	'ACADVL'	321.77	378.07	292.65	262.57	426.83	315.56
3700	'ITIH4'	2.4	1.75	1.36	1.9	1.41	5.83
3702	'ITK'	89.43	62.81	65.47	70.88	69.49	104.6
3703	'STT3A'	59.76	29.74	61.5	29.49	96.65	51.8
3704	'ITPA'	65.36	70	117.91	72.18	43.14	98.05
3705	'ITPK1'	93.69	71.08	90.25	62.01	83.39	98.5
3706	'ITPKA'	0.37	0.42	0.67	0.07	0.22	0.73
3707	'ITPKB'	33.47	19.46	19.5	23.55	27.18	22.81

3708	'ITPR1'	13.33	5.45	6.18	6.45	9.16	9.83
3709	'ITPR2'	12.29	5.86	4.94	5.49	7.71	9
3710	'ITPR3'	43.98	23.57	20.76	16.33	23.64	27.89
3712	'IVD'	20.05	18.29	19.84	12.79	15.5	20.55
3714	'JAG2'	2.77	3.54	1.25	1.78	3.03	1.22
3716	'JAK1'	160.91	92.26	77.33	79.56	166.96	137.66
3717	'JAK2'	19.61	13.24	11.3	10.79	10.99	16.92
3718	'JAK3'	74.31	49.68	37.94	33.53	47.51	108.29
372	'ARCN1'	91.77	57.62	67.42	51.78	83.16	83.76
3720	'JARID2'	23.37	13.16	14.17	12.2	13.48	17.18
3725	'JUN'	617.8	744.05	320.81	519.94	130.07	640.79
3726	'JUNB'	402.68	677.75	508.07	397.9	84.89	635.18
3727	'JUND'	417.97	346.11	262.76	432.66	207.9	355.25
3728	'JUP'	0.48	0.44	0.79	0.33	0.88	1.3
373	'TRIM23'	4.11	2.75	1.6	3.63	4.62	2.06
3730	'ANOS1'	0	0	0.01	0.1	0	0
373156	'GSTK1'	298.24	414.4	575.28	403.22	461.65	503.8
3732	'CD82'	85.92	57.64	55.08	43.05	78.33	110.31
3735	'KARS1'	172.67	128.4	201.08	129.54	110.41	173.79
373509	'USP50'	0.12	0	0.09	0	0	0.11
3737	'KCNA2'	2.74	0.94	0.88	1.2	4.54	2.27
3738	'KCNA3'	91.66	30.68	30.73	34.26	44.23	51.13
373863	'DND1'	13.48	10.87	8.32	6.98	9.4	11.71
374	'AREG'	142.42	204.81	266.82	71.87	128.13	113.98
3741	'KCNA5'	0	0	0	0	0	0.04
3742	'KCNA6'	0.47	0.7	0.68	0.25	2.39	0.55
374286	'CDRT1'	0.21	0.04	0.08	0.07	0.17	0.38
374291	'NDUFS7'	115.09	142.27	172.44	110.91	92.95	133.82
3743	'KCNA7'	0.03	0.14	0.02	0.13	0	0.06
374354	'NHLRC2'	8.38	6.05	4.91	4.45	6.25	6.24
374378	'GALNT18'	0.37	0.1	0.1	0.18	0.33	0.16
374383	'NCR3LG1'	1.05	0.23	0.24	0.74	0.26	0.47
374393	'FAM111B'	15.46	6.44	15.81	3.85	32.03	10.23
374395	'TMEM179E	55.84	62.11	94.68	57.33	100.25	110.75
374403	'TBC1D10C	175.2	234.63	242.38	223.69	235.05	322.32
374407	'DNAJB13'	0.83	0.37	0.57	0.22	0.23	1.35
374470	'C12orf42	0.22	0.71	0.75	0.54	0.48	0.36
3745	'KCNB1'	0.01	0	0	0.01	0.01	0.01
374569	'ASPG'	0	0	0.03	0	0	0.02
3746	'KCNC1'	0.07	0.04	0	0.02	0.05	0
374618	'TEX9'	0.32	0	0.18	0.13	0.12	0.48
374654	'KIF7'	0.25	0.1	0.24	0.06	0.04	0.12
374655	'ZNF710'	11.44	9.27	7.32	7.55	10.6	10.4
374659	'HDDC3'	15.91	24.84	29.35	12.62	23.07	23.54
3747	'KCNC2'	0	0	0	0	0	0.04
374739	'TEPP'	0.24	0.09	0	0	0.21	0.05
374768	'SPEM1'	0.16	0	0	0	0	0
374786	'EFCAB5'	0.23	0.14	0.2	0.14	0.67	0.33
3748	'KCNC3'	0.11	0.04	0.09	0.07	0.07	0.22
374819	'LRRC37A3	11.66	3.57	3.97	3.5	7.23	6.78
374860	'ANKRD30E	0	0	0	0	0	0.02
374868	'ATP9B'	10.57	4.74	4.84	5.86	10.33	7.17
374872	'PEAK3'	2.77	1.64	1.03	1.15	4.08	0.9
374875	'HSD11B1L	3	3.99	2.12	2.54	8.71	3.96

374879	'ZNF699'	2.95	1.83	1.12	1.91	1.87	2.02
374882	'TMEM205'	117.04	135.33	101.97	115.9	95.16	110.98
374887	'YJEFN3'	3.2	1.93	3.61	2.44	1.95	4.26
374897	'SBSN'	0	0	0	0	0	0.06
374899	'ZNF829'	2.62	1.86	1.66	1.84	2.15	2.63
3749	'KCNC4'	2.79	1.01	1.83	1.08	1.21	2.54
374900	'ZNF568'	2.68	3.02	1.61	2.03	4.07	3.28
374907	'B3GNT8'	1.62	1.55	3.48	1.75	2.17	3.2
374920	'ZSWIM9'	4.21	3.93	4.23	1.96	7.12	4.2
374928	'ZNF773'	3.5	5.79	3.17	3.01	6.94	6.67
374946	'DRAXIN'	3.48	2.15	1.19	2.31	1.69	1.31
374955	'SPATA21'	0.35	0.52	0.36	0.62	0.62	0.6
374969	'SVBP'	27.05	22.72	22.13	27.57	17.95	23.23
374973	'TEX38'	0.28	0.31	0.15	0.08	0	0
374977	'MROH7'	0.14	0	0.06	0	0	0.04
374986	'MIGA1'	4.7	3.01	2.3	3.32	3.74	3.42
375	'ARF1'	550.07	458.1	461.14	394.14	494.93	444.32
3750	'KCND1'	3.04	2.9	1.2	0.97	1.26	2.23
375033	'PEAR1'	0.06	0.04	0.08	0.02	0.09	0.05
375035	'SFT2D2'	8.25	8.14	7.62	6.02	7.35	9.13
375056	'MIA3'	22.37	17.41	14.66	15.6	26.75	26.36
375057	'STUM'	0.02	0	0.01	0	0	0.06
375061	'FAM89A'	5.21	4.81	7.69	5.59	4.22	7.31
375189	'PFN4'	0.07	0.17	0.17	0.19	0.12	0.27
375190	'FAM228B'	2.84	7.96	2.86	4.6	5.33	2.76
3752	'KCND3'	0.23	0.21	0.1	0.15	0.09	0.1
375248	'ANKRD36'	17.88	9.67	6.3	8.4	8.53	9.84
375287	'RBM43'	2.58	2.18	1.95	2.72	4.4	4.64
3753	'KCNE1'	0	0	0.14	0	0	0.21
375307	'CATIP'	0	0.16	0	0.07	0	0.28
375316	'RBM44'	1.08	1.95	2.66	1.53	1.25	3.61
375323	'LHFPL4'	0	0	0	0	0.04	0.02
375341	'C3orf62'	11.09	8.39	6.44	7.09	6.28	11.13
375346	'STIMATE'	11.53	8.14	7.03	8.27	7.93	12.94
375387	'NRROS'	37.83	22.27	50.95	13.18	20.6	22.13
375444	'C5orf34'	1.98	0.95	1.61	1.16	2.56	1.43
375449	'MAST4'	60.25	25.51	20.3	25.03	29.62	34.98
375484	'SIMC1'	15.29	12.86	11.57	11.19	9.28	11.12
3755	'KCNG1'	0	0	0	0	0	0.1
375519	'GJB7'	0.2	0.3	0.05	0.14	0.1	0.2
375593	'TRIM73'	1.18	0.95	0.27	0	0.47	0.58
3756	'KCNH1'	0	0	0.01	0	0.01	0
375607	'NAT16'	0	0	0	0	0	0.04
375611	'SLC26A5'	0.38	0.21	0.09	0.32	0.25	0.28
375612	'LHFPL3'	0.04	0.03	0.03	0	0	0.04
375616	'KCP'	0.58	0.36	0.38	0.38	0.87	0.95
375686	'SPATC1'	0.4	0.06	0	0.05	0.15	0.11
3757	'KCNH2'	0.5	0.22	3.67	0.06	0.13	0.6
375704	'ENHO'	0.15	0	0	0	0.12	0.4
375743	'PTAR1'	19.97	11.59	6.14	10.14	13.05	10.74
375748	'ERCC6L2'	14.6	7.64	6.01	9.3	6.01	10.39
375757	'SWI5'	16.78	26.24	19.3	15.47	19.58	17.97
375775	'PNPLA7'	0.68	0.99	1.09	0.48	2.21	1.25
375790	'AGRN'	3.02	2.99	1.37	1.53	5.82	5.19

375791	'CYSRT1'	1.65	1.42	2.79	2.97	2.01	2.67
3758	'KCNJ1'	0.45	0.58	0.89	0.8	0.5	1.54
3760	'KCNJ3'	0	0	0.02	0	0.04	0
3762	'KCNJ5'	0.06	0.05	0.04	0.09	0.08	0.11
376267	'RAB15'	24.44	18.59	13.45	1.54	1.91	2.48
376497	'SLC27A1'	1.37	1.81	0.51	1.12	3.51	1.97
3765	'KCNJ9'	0.06	0	0	0	0	0
3766	'KCNJ10'	0.05	0.04	0	0.03	0.11	0.06
3767	'KCNJ11'	0.15	0.33	0.33	0.24	0.43	0.17
3768	'KCNJ12'	0	0	0.04	0	0	0
3769	'KCNJ13'	0.49	0.17	0.11	0.17	0.16	0.03
376940	'ZC3H6'	5.9	2.84	1.57	3.91	3.96	2.62
377	'ARF3'	82.44	52.39	63.29	49.71	52.42	85.01
3770	'KCNJ14'	0.92	0.88	0.54	0.76	0.13	0.63
377007	'KLHL30'	0.03	0	0.02	0.02	0	0.06
3772	'KCNJ15'	0.24	0.23	0.13	0.2	0.21	0.26
3773	'KCNJ16'	0	0	0	0.02	0	0
3775	'KCNK1'	0.26	0.1	7.55	0	4.44	3.3
377630	'USP17L2'	0.09	0	0	0	0	0
377677	'CA13'	0.45	0.22	0.15	0.3	0.38	0.63
3778	'KCNMA1'	0.07	0.03	0.04	0.01	0.05	0.04
3779	'KCNMB1'	0.02	0.08	0	0.15	0	0.02
378	'ARF4'	122.5	95.81	136.98	92.75	125.82	147.03
3780	'KCNN1'	0	0	0.07	0	0.33	0.11
3781	'KCNN2'	0.1	0	0	0	0	0.08
378108	'TRIM74'	18.67	11.05	8.8	7.92	18.75	16.14
3782	'KCNN3'	0.08	0.01	0.19	0.04	0.02	1.2
3783	'KCNN4'	9.63	16.05	18.71	10.32	18.72	37.13
3784	'KCNQ1'	3.33	2.35	4.86	3.29	3.94	6.41
3785	'KCNQ2'	0	0.01	0	0	0	0
3786	'KCNQ3'	0.18	0.27	0.16	0.62	0.05	0.98
3787	'KCNS1'	0.91	0.69	0.21	0.28	0.42	0.47
378708	'CENPS'	14.34	9.97	20.9	8.14	7.96	6.6
378884	'NHLRC1'	0.18	0	0.35	0.08	0.33	0.31
379	'ARL4D'	2.41	3.32	4.99	2.97	5.93	2.35
3790	'KCNS3'	0.05	0	0	0	0.04	0.05
3792	'KEL'	0.17	0.24	0.48	0.06	0.19	0.14
3795	'KHK'	3.35	4.05	6	3.05	6.98	5.04
3796	'KIF2A'	89.64	35.09	51.86	52.08	121.35	56.65
3797	'KIF3C'	7.1	4.9	5.73	4.16	6.24	9.68
3798	'KIF5A'	0.38	0.4	0.15	0.09	1.08	0.55
3799	'KIF5B'	62.91	34.89	31.72	32.31	31.69	46.78
38	'ACAT1'	48.74	37.71	94.71	33.26	41.1	63.6
3800	'KIF5C'	4.27	2.93	2.4	3.23	5.69	7.73
3801	'KIFC3'	1.49	0.77	0.38	1.3	0.61	0.48
3802	'KIR2DL1'	18.96	19.36	33.54	110.57	23.32	70.32
3803	'KIR2DL2'	74.71	80.42	0.42	11.83	0	0.16
3804	'KIR2DL3'	34.66	33.75	62.15	39.54	192.4	89.84
3805	'KIR2DL4'	206.24	169.48	103.87	71.25	91.87	70.28
3806	'KIR2DS1'	2.27	2.2	2.52	51.76	3.53	3.22
3809	'KIR2DS4'	275.76	248.95	163.82	17.87	226.48	79.27
381	'ARF5'	293.52	309.64	290.1	285.18	284.44	288.91
3810	'KIR2DS5'	0.24	0.12	0.2	4.56	0.64	0.31
3811	'KIR3DL1'	34.7	30.41	38.65	19.45	58.41	22.67

3812	'KIR3DL2'	74.09	58.01	121.7	70.36	128.52	74.49
3813	'KIR3DS1'	0.42	0.96	0.76	17.36	10.19	1.11
3815	'KIT'	15.36	9.68	5.23	1.61	1.88	2.72
3816	'KLK1'	0.38	0.87	1.28	0.13	0.6	3.86
3817	'KLK2'	0.05	0	0.04	0	0.04	0
3818	'KLKB1'	1.14	0.81	0.43	0.83	0.77	0.67
382	'ARF6'	191.88	148.54	147.28	114.36	134.79	179.11
3820	'KLRB1'	388.22	670.1	128.35	280.03	214.76	197.13
3821	'KLRC1'	176.98	179.78	107.78	59.81	47.61	28.77
3822	'KLRC2'	38.69	42.25	1.03	79.07	232.19	24.42
3823	'KLRC3'	39.79	54.47	67.91	69.07	187.1	48.65
3824	'KLRD1'	197.99	130.29	100.3	149.35	88.74	58.08
383	'ARG1'	0	0.29	0.19	0	0.2	0.17
3831	'KLC1'	64.67	45.22	64.23	48.33	57.9	69.67
3832	'KIF11'	42.99	19.62	44.57	14.67	24.8	21.33
3833	'KIFC1'	77.6	37.22	104.03	28.13	50.54	43.94
3834	'KIF25'	0	0	0	0	0	0.09
3835	'KIF22'	99.76	69.97	132.94	53.64	65.96	53.68
3836	'KPNA1'	30.71	17.32	22.35	21.82	16.91	28.06
3837	'KPNB1'	84.96	45.14	67.62	45.44	53.59	58.26
3838	'KPNA2'	188.26	112.37	258.66	99.68	35.11	132.75
3839	'KPNA3'	33.17	20.14	24.58	20.71	17.36	30
384	'ARG2'	4.05	4.08	4.62	3.37	50.36	5.41
3840	'KPNA4'	20.58	14.25	11.45	13.72	10.73	18.14
3841	'KPNA5'	16.88	9.94	5.81	9.34	9.62	13.78
3842	'TNPO1'	29.51	15.47	14.55	13.76	11.44	17.02
3843	'IPO5'	39.85	21.43	33.83	21.27	17.42	22.69
3845	'KRAS'	18.75	14.21	20.34	12.63	16	19.41
3846	'KRTAP5-9	0.25	0	0.09	0	0.59	0.44
3848	'KRT1'	0	0	0.48	0	0	0
3849	'KRT2'	0	0.16	0.08	0	0.25	0.14
3852	'KRT5'	0	0	0.04	0	0	0
3855	'KRT7'	2.81	3.47	2.24	1.11	2.79	1.33
3856	'KRT8'	2.7	1.99	0.69	1.63	0.84	1.56
3858	'KRT10'	12.29	14.72	16.93	22.27	7.22	17.14
3859	'KRT12'	0	0.11	0	0	0	0
3860	'KRT13'	0	0	0.06	0	0	0
386618	'KCTD4'	0	0.05	0.05	0	0	0
386672	'KRTAP10-	0	0	0	0	0.07	0
386679	'KRTAP10-	0	0	0	0	0	0.12
386683	'KRTAP12-	0	0	0	0	0	0.67
386724	'AMIGO3'	11.6	7.7	6.46	5.73	9.22	7.84
387	'RHOA'	1074.9	849.85	993.84	764.67	715.69	905.44
387032	'ZKSCAN4'	2.19	1.37	1.38	1.68	2.84	1.93
387082	'SUMO4'	4.52	0.94	0.58	1.64	1.46	0.68
387103	'CENPW'	29.07	25.6	45.12	17.07	16.16	18.56
387104	'SOGA3'	4.86	2.54	2.3	1.35	2.32	4.69
387119	'CEP85L'	14.49	9.74	7.22	9.19	12.5	14.69
3872	'KRT17'	0.09	0.07	0.21	0.07	0.29	0.25
387263	'C6orf12(	10.74	7.52	8.95	7.83	12.61	13.17
387264	'KRTAP5-1	0	0.13	0	0.12	0.67	0
387338	'NSUN4'	7.36	5.15	5.93	5.5	4.72	7.88
387357	'THEMIS'	35.39	22.17	36.99	36.06	105.39	82.59
387496	'RASL11A'	3.14	4.22	1.54	2.87	1.02	1.77

3875	'KRT18'	3.16	1.63	1.52	0.86	1.44	0.8
387509	'GPR153'	6.1	8.66	3.16	5.76	15.23	8.79
387521	'TMEM189'	31.34	23.97	32.52	23.82	22.51	29.68
387522	'TMEM189-	16.48	9.23	14.13	6.09	9.24	13.18
387597	'ILDR2'	0.38	0.09	0.08	0.1	0.13	0.04
387640	'SKIDA1'	0	0	0.04	0.03	0.01	0.02
387680	'WASHC2A'	46.52	38.29	27.76	42.66	30.51	44.12
387694	'SH2D4B'	0.06	0.03	0.01	0.05	0.05	0.06
387700	'SLC16A12	0	0	0.02	0	0	0.05
387707	'CC2D2B'	1.38	0.93	0.45	0.45	0.26	1.25
387715	'ARMS2'	0	0	0.16	0	0	0.19
387723	'C10orf14	3.45	4.82	11.62	4.58	2.69	8.5
387733	'IFITM5'	4.23	1.32	0	1.04	0.39	1.3
387748	'OR56B1'	0	0	0.14	0.14	0.05	0.4
387755	'INSC'	1.22	0.49	0.54	0.35	0.03	0.43
387763	'C11orf96	0.72	1.91	0.71	0.93	0.28	1.16
387778	'SPDYC'	0	0.08	0	0	0	0
387787	'LIPT2'	1.67	1.35	1.66	1.93	0.87	2.95
387804	'VSTM5'	0.08	0.03	0	0	0	0.04
387836	'CLEC2A'	0.18	0	0	0	0	0
387837	'CLEC12B'	0.38	0.8	0.52	0.12	0.58	0.89
387849	'REP15'	0	0	0.99	0.28	0	0.12
387856	'CCDC184'	1.11	1.72	1.3	3.68	2.41	3.78
387882	'C12orf75	225.63	174.75	215.58	165.08	134.15	182.37
387885	'CFAP73'	0.55	1.36	0.59	1.12	0.39	0.67
387893	'KMT5A'	42.68	37.07	40.65	24.8	22.68	34.78
387911	'C1QTNF9E	0	0.18	0.11	0.29	0.11	0.37
387914	'SHISA2'	0.03	0	0.24	0.05	0.1	0.46
387921	'NHLRC3'	10.72	8.07	7.23	6.89	11.88	6.36
387923	'SERP2'	1.43	3.68	0.6	1.36	0.67	0.51
388	'RHOB'	55.75	50.44	53.02	23.31	22.75	57.15
3880	'KRT19'	0	0.08	0.08	0	0	0
388112	'NANOGP8'	0.22	0.09	0	0.1	0.11	0.19
388115	'CCDC9B'	0.14	0.11	0.31	0.2	0.33	0.39
388125	'C2CD4B'	0	0.07	0	0	0	0.08
388199	'PRR25'	0.12	0	0	0.09	0.1	0
388228	'SBK1'	9.75	5.66	4.4	7.42	21.33	14.86
388272	'C16orf87	10.25	5.94	6.89	8.88	6.32	12.47
388282	'LOC38828	0	0	0	0	0.18	0
388284	'C16orf86	1.4	2.23	1.96	1.21	5.36	2.19
388323	'GLTPD2'	0.12	0.09	0.49	0.09	0.52	0.22
388324	'INCA1'	0.76	0.23	0.68	0.44	0.47	0.96
388325	'SCIMP'	0.16	0.26	0.42	0.49	0.18	1.13
388327	'C17orf10	1.38	2.58	2.05	1.48	3.86	1.49
388333	'SPDYE4'	0	0	0	0.08	0.15	0.03
388335	'TMEM220'	3.45	1.43	0.89	2.02	2.18	1.89
388341	'LRRC75A'	12.49	14.66	16.25	17.81	17.97	12.26
388364	'TMIGD1'	0	0	0.09	0	0	0
388372	'CCL4L1'	161.96	163.51	163.07	264.27	448.63	71.26
388381	'C17orf98	0	0	0	0	0	0.58
388389	'CCDC103'	0.48	0.55	0.57	0.39	0.06	1.13
388394	'RPRML'	0	0.11	0	0	0	0
388403	'YPEL2'	16	9.64	3.39	6.36	14.92	11.33
388419	'BTBD17'	0	0	0	0	0.06	0.14

388507	'ZNF788P'	0.52	0.2	0.25	0.07	0.17	0.28
388512	'CLEC17A'	0.21	0.1	0.27	0.21	0.03	1.53
388524	'RPSAP58'	21.85	19.35	19.74	24.78	41.81	16.17
388531	'RGS9BP'	0.21	0.49	0.32	0.34	1.68	0.52
388536	'ZNF790'	2.13	1.22	2.02	1.53	4.03	3.46
388552	'BLOC1S3'	20.76	16.91	12.47	18.9	20.08	18.31
388553	'BHMG1'	0.11	0.04	0	0	0	0
388558	'ZNF808'	5.47	3.1	3.41	3.31	3.71	4.43
388559	'ZNF888'	4.44	3.01	1.11	2.04	2.45	1.7
388561	'ZNF761'	5.93	4.62	3.42	8.5	8.58	3.81
388564	'TMEM238'	13.9	12.75	14.3	13.14	17.48	17.8
388566	'ZNF470'	0.64	0.36	0.47	0.21	0.89	0.83
388567	'ZNF749'	3.53	2.86	1.63	2.2	3.13	1.44
388569	'ZNF324B'	1.93	1.59	2.01	1.18	3.88	2.24
388581	'C1QTNF12	0.24	0.56	0.11	0.43	0.28	0.12
388585	'HES5'	0.08	0.17	0	0	0	0.1
388588	'SMIM1'	0	0.69	1.93	1.48	1.05	1.19
388591	'RNF207'	3.38	2.63	3.36	1.31	4.02	4.68
388610	'TRNP1'	0	0.05	0	0	0	0.12
388611	'CD164L2'	0	0	0	0.07	0	0.15
388633	'LDLRAD1'	0	0	0	0	0.05	0
388646	'GBP7'	0	0	0	0	0.08	0
388650	'DIPK1A'	8.51	7.09	10.41	10.05	16.33	16.25
388677	'NOTCH2NL	4.68	2.35	2.94	3.17	2.41	4.14
388695	'LYSMD1'	2.14	2.1	1.12	0.6	1.62	1.22
388697	'HRNR'	0.04	0.04	0	0.02	0.03	0.04
3887	'KRT81'	4.91	6.58	4.15	2.66	0.17	0.43
388701	'C1orf189	1.43	0.65	1.06	0	0.44	0.5
388722	'C1orf53'	1.05	2.11	1.03	1.71	0.54	0.91
388730	'TMEM81'	2.31	2.25	2.13	1.85	2.4	1.93
388743	'CAPN8'	0	0	0.06	0.05	0	0.16
388753	'COA6'	12.68	12.93	29.14	21.09	20.22	25.6
388759	'C1orf229	0.37	0.05	0.18	0.08	0.09	0.05
388761	'OR14A2'	0	0	0	0.02	0	0
388789	'SMIM26'	86.52	120.96	131.96	130.26	99.32	110.22
388795	'EFCAB8'	1.33	1.76	1.67	1.45	1.06	1.64
388799	'FAM209B'	5.56	5.9	3.77	8.13	3.98	6.39
388813	'LOC388815	2.94	1.08	0.31	1.12	0.2	0.15
388820	'SMIM34A'	0	0	0.23	0.11	0.12	0
388849	'CCDC188'	2	2.04	0.99	0.57	1.97	1.23
388886	'LRRC75B'	3.61	9	3.27	0.77	3.01	1.43
388931	'MFSD2B'	0.56	0.68	1.11	0.63	0.96	0.45
388939	'PCARE'	0.02	0	0.04	0	0	0.01
388960	'C2orf78'	0	0	0.03	0	0	0
388962	'BOLA3'	59.01	67.24	108.86	62.17	43.24	75.65
388963	'C2orf81'	0.21	0.81	1.31	0.53	2.44	0.93
388969	'C2orf68'	15.97	14.35	15.89	9.68	20.94	14.74
389	'RHOC'	254.69	325.89	260.07	277.65	214.86	178.68
389015	'SLC9A4'	2.22	1.43	0.72	0.29	0.27	0.08
389072	'PLEKHM3'	5.38	2.98	1.4	2.53	1.65	2.39
389084	'SNORC'	0.28	0.18	0.48	0.26	0.37	0.61
389114	'ZNF662'	0.09	0.12	0.17	0.03	0.23	0.2
389119	'INKA1'	0.34	0.58	1.13	0.84	1.7	1.2
389125	'MUSTN1'	13.57	24.17	6.86	15.47	7.92	17.75

389152	'PRR23C'	0	0	0.07	0	0.07	0
389170	'LEKR1'	0.37	1.05	0.3	1.09	0.68	1.01
389177	'TMEM212'	16.27	8.83	5.54	12.22	14.38	16.53
389197	'C4orf50'	0.39	0.21	0.32	0.29	0.35	0.93
389199	'LOC3891	0	0.09	0	0	0	0
3892	'KRT86'	3.88	4.98	4.59	1.89	0.31	1.2
389203	'SMIM20'	11.12	13.27	16.63	20.86	22.53	15.89
389206	'BEND4'	0.07	0	0.05	0.05	0.12	0.1
389289	'ANXA2R'	27.32	24.14	24.85	27.47	40.75	41.57
389333	'PROB1'	6.52	4.24	4.68	2.14	5.35	4.57
389337	'ARHGEF37	0.05	0.02	0.13	0.02	0.23	0.02
389362	'PSMG4'	14.31	23.89	30.48	22.89	19.02	22.98
389384	'BNIP5'	0	0	0	0	0	0.07
389396	'GLYATL3'	0	0	0	0.04	0	0.16
389493	'NUPR2'	0	0	0.24	0.23	0	0.29
3895	'KTN1'	55.63	33.93	41.26	35.64	39.03	52.18
389524	'GTF2IRD2	30.65	32.2	17.35	36.61	21.43	21.33
389541	'LAMTOR4'	132.74	183.25	162.04	151.95	147.48	127.72
389549	'FEZF1'	0	0	0	0.14	0	0
389558	'FAM180A'	0	0	0	0	0	0.02
389602	'LOC3896(	0	0	0.12	0	0.06	0.02
389643	'NUGGC'	9.17	10.81	10.4	6.83	21.24	16.19
389649	'C8orf86'	0	0	0	0	0.1	0.06
389668	'XKR9'	0.33	0.53	0.36	0.53	0.33	0.66
389677	'RBM12B'	4.84	2.36	2.42	2.7	6.95	3.49
389692	'MAFA'	0.24	0.11	0.04	0.14	0.04	0
3897	'L1CAM'	2.11	1.79	1.49	1.17	10.32	5.15
389766	'C9orf153	0	0	0	0	0.06	0.13
389792	'IER5L'	3.41	4.66	2.22	5.6	3.38	4.13
389799	'CFAP77'	0	0	0	0	0	0.07
3898	'LAD1'	0.05	0	0.07	0.14	0	0.04
389812	'LCN15'	0	0	0	0	0.36	0
389813	'AJM1'	3.7	2.04	1.92	1.16	5.38	4.84
389816	'LRRC26'	0	0	0.28	0	0.49	0
389831	'LOC38983	0.96	0.25	1.14	1.69	1.1	1.11
389840	'MAP3K15'	0.1	0.11	0.05	0.05	0.31	0.15
389856	'USP27X'	1.3	1.77	1.25	2	2.62	2.2
389860	'PAGE2B'	0	0.29	0	0	1.96	0.36
3899	'AFF3'	0.03	0.04	0.02	0.16	0.01	0.11
389903	'CSAG3'	0	0	0.79	0.14	0	0.06
389941	'C1QL3'	1.61	1.05	0.25	1.56	1.44	0.73
39	'ACAT2'	61.85	53.24	100.32	47.08	39.35	68.55
390063	'OR51I1'	0	0	0	0.11	0	0
390072	'OR52N4'	1.65	0.8	0.68	2.35	2.2	3.46
390077	'OR52N2'	0	0	0	0.12	0	0.01
390190	'OR5B2'	0	0	0	0	0.12	0
390191	'OR5B12'	0	0.11	0	0	0.12	0.13
3902	'LAG3'	113.76	166.52	91.43	225.59	372.38	244.5
390205	'LRRC10B'	0	0	0	0	0	0.05
390212	'GPR152'	0.3	0.31	0.23	0.39	0.44	0.53
390231	'TRIM77'	0	0	0	0	0	0.12
3903	'LAIR1'	116.63	97.89	100.95	35.09	82.05	39.51
3904	'LAIR2'	100.59	185.52	67.58	85.97	52.06	22.15
390594	'KBTBD13'	0	0	0	0.03	0.03	0.04

390595	'UBAP1L'	1.05	1.07	0.76	1.3	1.4	0.81
390598	'SKOR1'	0.61	0.64	0.4	0.62	0.4	1.31
390637	'GDPGP1'	0.31	0.22	0.45	0.24	0.65	0.38
390748	'PABPN1L'	0	0.1	0	0	0	0.03
3908	'LAMA2'	0.05	0.1	0.08	0.07	0.01	0.12
390877	'LOC39087	0	0	0	0	0.11	0
3909	'LAMA3'	0.04	0.01	0.03	0.03	0.09	0.02
390916	'NUDT19'	17.51	16.31	16	16.72	13.82	21.8
390927	'ZNF793'	0.2	0.24	0.13	0.29	0.3	0.53
390928	'ACP7'	0.63	0.39	0.07	0.1	0	0.17
390937	'ERFL'	0.55	0.97	1.22	1.44	2.01	0.95
390940	'PINLYP'	1.13	2.84	11.67	4.21	6.09	6.25
390980	'ZNF805'	3.51	2.59	1.63	2.65	2.13	3.31
391	'RHOG'	204.18	179.62	283.86	176.02	249.3	315.27
3910	'LAMA4'	0	0	0	0	0.02	0
391013	'PLA2G2C'	0	0	0	0.14	0.08	0
391059	'FRRS1'	0.86	0.92	0.81	0.4	0.66	0.72
3911	'LAMA5'	0.2	0.1	0.23	0.02	0.21	0.21
391123	'VSIG8'	0.23	0.11	0	0.11	0.06	0
391191	'OR2AK2'	0	0	0	0	0	0.14
391195	'OR2T33'	0	0.23	0	0	0	0
3912	'LAMB1'	0.07	0.05	0.02	0	0.05	0.04
391211	'OR2G6'	0	0	0	0	0	0.15
3913	'LAMB2'	0	0	0.11	0.02	0	0.02
391322	'LOC39132	1.09	0.13	2.16	0.48	4.63	3.28
391356	'PTRHD1'	141.87	145.69	130.34	154.79	98.42	121.99
3914	'LAMB3'	0.7	0.43	1.29	0.33	0.55	0.88
3915	'LAMC1'	0.09	0.03	0.07	0.01	0.04	0.59
3916	'LAMP1'	142.73	102.52	92.47	102.1	95.47	141.66
391712	'TRIM61'	0.45	0.82	0.74	1.96	1.89	2.67
3918	'LAMC2'	0	0	0	0.04	0.02	0.05
392	'ARHGAP1'	46.65	28.93	36.51	21.95	45.01	43.66
3920	'LAMP2'	36.4	20.6	26.5	21.32	35.82	34.7
3921	'RPSA'	2122.2	2251.1	2356.2	2221.12	2275.43	1665
392138	'OR2A25'	0	0	0	0.12	0.39	0
392255	'GDF6'	0.1	0	0.05	0	0	0.39
392309	'OR13J1'	0	0	0.13	0	0	0
392490	'FLJ44635	0.06	0	0	0.21	0.28	0.31
3925	'STMN1'	532.78	372.21	741.05	335.05	364.64	240.44
392509	'ARL13A'	0.12	0	0	0.1	0.18	0
392617	'ELFN1'	0.26	0.17	0.29	0.05	0.18	0.29
3927	'LASP1'	229.82	128.61	212.33	112.48	229.21	218.92
392843	'IQCA1L'	0	0	0.07	0.14	0	0
392862	'GRID2IP'	0	0.02	0	0.09	0.02	0.05
3929	'LBP'	0	0	0	0	0.06	0
393	'ARHGAP4'	144.1	156.43	148.32	105.37	139.94	214.48
3930	'LBR'	93.61	49.79	104.56	47.29	79.58	65.95
3931	'LCAT'	5.05	6.72	5.82	3.28	7.29	4.09
3932	'LCK'	243.73	272.77	354.74	258.14	381.66	539.78
3936	'LCP1'	1076.6	646.49	1171.3	575.67	764.52	1038.62
3937	'LCP2'	247.86	154.82	135.46	206.67	181.58	203.4
3938	'LCT'	0.02	0	0	0	0.02	0.03
3939	'LDHA'	906.12	875.56	800.26	670.23	2054	521.51
394	'ARHGAP5'	9.9	6.31	4.37	6.59	11.47	9.22

394263	'MUC21'	0	0	0	0	0	0.03
3945	'LDHB'	712.22	633.39	920.03	642.38	497.8	622.5
3948	'LDHC'	0	0.11	0	0.05	0.09	0
3949	'LDLR'	109.78	73.36	80.55	66.47	22.95	138.41
395	'ARHGAP6'	0.03	0	0.1	0	0	0
3953	'LEPR'	2.01	1.22	2.13	1.26	1.69	3.52
3954	'LETM1'	20.92	11.3	13.12	10.54	6.31	14.79
3955	'LFNG'	104.42	40.65	70.5	60.54	61.33	64.74
3956	'LGALS1'	4119.6	5112.9	3566.5	3677.31	3412.08	4157.58
3957	'LGALS2'	0	0	0	0.25	0	0
3958	'LGALS3'	255	217.82	117.32	206.18	232.82	300.24
3959	'LGALS3BF	15.82	10.06	45.41	15.84	25.87	91.05
396	'ARHGDIA'	1028.7	730.72	897.18	621.73	587.48	901.94
3960	'LGALS4'	0.35	0.73	0.96	0.38	1.71	1.03
3964	'LGALS8'	128.58	63.12	57.28	78.33	85.48	129.02
3965	'LGALS9'	31.89	24.59	83.92	85.16	22.09	156.77
397	'ARHGDIB'	2546.2	2310.6	3417.6	2035.07	2237.99	2856.13
3972	'LHB'	0.45	2.71	1.99	1.26	4.15	8.59
3973	'LHCGR'	0	0	0	0	0	0.04
3975	'LHX1'	0.48	0.14	0.39	0	0.38	0.29
3976	'LIF'	13.04	7.41	24.55	3.48	4.23	6.24
3977	'LIFR'	0	0	0	0	0.06	0.06
3978	'LIG1'	56.38	30.18	56.44	25.74	41	22.62
3980	'LIG3'	12.74	6.08	9.72	5.64	4.97	9.4
3981	'LIG4'	8.48	5.15	5.04	4.88	6.83	11.78
3982	'LIM2'	10.61	21.49	11.09	22.67	15.94	9.06
3983	'ABLIM1'	15.17	9.7	6.8	10.93	28.5	10.06
3984	'LIMK1'	42.08	36.82	37.28	26.09	39.29	37.83
3985	'LIMK2'	47.49	37.45	26.43	31.88	35.67	40.21
3987	'LIMS1'	27.04	17.99	20.1	20.51	39.37	41.78
3988	'LIPA'	51.27	42.52	50.12	44.13	66.38	63.03
399	'RHOH'	74.76	80.49	86.64	78.66	90.51	140.6
3990	'LIPC'	2.05	1.76	1.34	0.45	0.42	3.58
3991	'LIPE'	6.68	6.28	9.52	3.8	6.15	8.75
3992	'FADS1'	39.17	20.76	40.96	12.33	12.2	20.81
3993	'LLGL2'	18.56	17.89	16.86	9.56	13.53	24.89
399473	'SPRED3'	0.33	0.08	0.08	0.2	0.25	0.3
399474	'TMEM200E	0.06	0.1	0	0.24	0.31	0.24
3995	'FADS3'	11.77	13.59	7.39	8.48	20.8	12.14
399512	'SLC25A35	7.95	7.1	11.69	4.04	5.35	10.98
3996	'LLGL1'	20.27	12.77	14.39	8.03	18.81	13.81
399664	'MEX3D'	5.53	2.96	3.96	2.96	7.92	4.11
399665	'FAM102A'	60.9	25.52	17.85	81.9	57.6	36.52
399668	'SMIM10L2	0.33	0.27	0.23	0.33	0.69	0.54
399671	'HEATR4'	0	0	0.03	0.13	0.08	0.16
399687	'MYO18A'	30.23	18.58	19.71	13.43	33.56	32.44
399693	'CCDC187'	0	0.01	0	0.01	0	0
399694	'SHC4'	0.96	0.97	0.87	0.61	1.23	0.87
3998	'LMAN1'	49.77	33.89	32.56	28.42	67.08	40.44
399818	'EEF1AKMT	8.1	7.94	7.37	8.27	7.22	7.56
399823	'FOXI2'	0	0	0.03	0	0	0
399888	'FAM180B'	0.32	0.16	0.16	0.08	0.17	0.19
399909	'PCNX3'	44.8	30.53	25.17	22.52	17.8	32.94
399948	'COLCA1'	0.02	0	0	0.02	0.01	0.14

399967	'PATE2'	0	0	0	0	0	0.07
399979	'SNX19'	18.66	13.59	14.57	14.56	14.8	19.69
400	'ARL1'	20.54	16.18	16.42	15.91	21.76	19.99
4000	'LMNA'	109.94	79.08	92.42	153.04	100.65	240.03
400073	'C12orf76	2.87	1.98	2.78	3.97	5.97	4.8
4001	'LMNB1'	104.39	50.2	124.2	49.33	50.72	63.28
400224	'PLEKHD1'	0.66	0.52	0.2	0.49	0.24	0.64
4004	'LMO1'	0.27	0	0	0	0	0
400451	'FAM174B'	0.25	0	0.11	0.11	1.22	0.44
400499	'LOC40049	0.66	0.19	0.09	0.25	0.4	0.45
4005	'LMO2'	0	0.21	1.26	0.2	0.12	0.91
400506	'KNOP1'	5.42	2.84	5.86	4.59	3.32	4.4
400566	'C17orf97	1.12	0.9	0.28	0.42	1.51	4.51
400569	'MED11'	22.33	25.71	57.24	30.4	48.49	45.78
400581	'GRAPL'	2.32	0.74	1.64	0.76	3	1.87
400629	'TEX19'	0	0	0.1	0	0.22	0.18
400668	'PRSS57'	17.5	36.53	29.8	8.68	17.02	14.25
400673	'VMAC'	6.24	2.97	2.97	3.09	3.35	6.99
4007	'PRICKLE3	8.45	6.45	6.97	4.59	15.97	8.1
400709	'SIGLEC16	0.2	0.18	0.3	0.19	0.16	0.2
400713	'ZNF880'	2.13	3.06	1.58	1.14	3.42	1.87
400720	'ZNF772'	0.58	0.53	0.51	0.53	0.88	1.14
400745	'SH2D5'	0.11	0.09	0	0.11	0	0.23
400746	'NCMAP'	0	0	0	0	0.07	0.09
400793	'C1orf226	0.03	0.05	0.07	0.13	0.19	0.03
400797	'CLEC20A'	0.05	0	0	0	0	0.16
4008	'LMO7'	2.6	2.01	2.41	1.44	4.68	1.95
400818	'NBPF9'	4.29	2.64	4.49	1.73	3.26	10.27
400823	'FAM177B'	0	0	0	0.07	0	0.03
400831	'C20orf20	0.44	0.33	0.07	0.49	0.48	0.77
400891	'LRRC74B'	0	0.03	0	0.02	0	0
400916	'CHCHD10'	51.39	64.99	149.57	66.37	126.05	100.15
400935	'IL17REL'	0	0.01	0.01	0.01	0.01	0.03
400954	'EML6'	1.46	1.02	1.07	0.59	2.28	1.37
400961	'PAIP2B'	0.62	0.46	0.38	0.7	1.59	0.67
400966	'RGPD1'	0.79	0.56	1.59	1.54	3.4	3.26
400986	'ANKRD36C	5.33	2.13	1.63	2.34	1.57	2.8
401	'PHOX2A'	0.08	0	0	0	0	0
4010	'LMX1B'	0	0	0.01	0	0.02	0.12
401024	'FSIP2'	0.01	0	0	0.01	0.02	0
401027	'C2orf66'	0.33	1.33	0.49	0.69	0.69	4.04
401089	'FOXL2NB'	0	0	0.05	0	0	0
401097	'C3orf80'	0.05	0	0.11	0.04	0	0
401115	'C4orf48'	117.1	144.26	158.01	135.82	119.7	248.47
401124	'DTHD1'	4.62	3.64	0.7	7.16	2.55	1.45
401145	'CCSER1'	0.14	0.01	0.05	0.04	0.06	0.09
401152	'C4orf3'	37.34	46.33	34.22	45.62	104.93	43.35
4012	'LNPEP'	24.66	14.19	12.67	15.97	19.8	17.33
401207	'C5orf63'	2.41	2.61	3.67	2.68	2.15	3
401250	'MCCD1'	0	0	0	0	0.41	0
401251	'SAPCD1'	8.66	16.13	12.64	7.44	9.62	8.91
401258	'RAB44'	0.66	0.39	1.65	0.1	0.27	0.46
401262	'CRIP3'	0	0.3	0	0	0.13	0
401265	'KLHL31'	0.06	0.03	0.03	0.04	0.13	0.17

4013	'VWA5A'	4.12	3.37	4.8	2.45	5.96	3.29
401335	'C7orf65'	0.04	0	0	0.03	0	0
401387	'LRRD1'	0	0	0	0	0.11	0
401397	'SMIM30'	16.67	18.08	40.69	21.82	40.24	28.6
401399	'PRRT4'	0	0.04	0.14	0	0.13	0.14
401409	'RAB19'	0.42	0.73	0.4	0.52	0.38	0.67
401427	'OR2A7'	0.88	0	0	0	0.61	0
401447	'USP17L1'	0	0	0	0.02	0	0
401466	'RBIS'	58.27	59.96	64.68	52.96	57.47	50.17
401474	'SAMD12'	0.28	0.1	0.11	0.2	1.56	1.25
401494	'HACD4'	17.79	16.66	14.88	13.75	18.77	21.25
4015	'LOX'	0.18	0.16	0.07	0.06	0.02	0.17
401505	'TOMM5'	132.99	152.86	217.15	156.97	96.03	135.12
401541	'CENPP'	6.5	3.95	12.31	4.86	3.12	4.37
401546	'C9orf152	0.05	0.04	0.04	0.07	0	0.17
401548	'SNX30'	6.94	4.53	2.44	4.11	6.13	4.83
401562	'LCNL1'	0	0.11	0.67	0.1	0.12	1.51
401563	'C9orf139	3.37	2.06	2.05	0.77	1.02	3.2
401565	'FAM166A'	0.17	0.13	0	0	0	0
4016	'LOXL1'	1.91	6.6	2.14	2.68	12.62	4.1
401612	'SLC25A53	3.26	2.23	1.96	3.2	2.84	2.29
401647	'GOLGA7B'	3.11	2.21	3.55	4.43	6.59	8.44
4017	'LOXL2'	0.85	0.41	0.25	0.72	1.01	1.64
401720	'FIGNL2'	0.29	0.16	0.08	0.15	0.15	0.12
4018	'LPA'	0.1	0.07	0.01	0.04	0.07	0.07
401934	'RNF223'	0.07	0	0	0	0.17	0
401944	'LDLRAD2'	0.46	0.32	1	0.42	0.4	0.48
402	'ARL2'	71.21	70.37	165.02	62.28	83.1	129.54
402055	'SRRD'	9.45	5.15	5.84	4.93	6.78	7.71
402117	'VWC2L'	0	0	0	0	0.02	0
402135	'OR5K2'	0.51	0.65	0.63	0.48	1.59	1.34
402160	'CFAP99'	0.06	0	0	0	0	0.06
4023	'LPL'	0	0	0	0.23	0	0.03
402317	'OR2A42'	0.32	0	0	0	0	0
402415	'XKRX'	0.21	0.17	0.16	0.33	0.35	0.29
402569	'KPNA7'	0	0.04	0	0.03	0	0
402573	'C7orf61'	0.81	1.35	1.2	0.11	1.14	1.56
4026	'LPP'	7.28	3.77	2.44	4.31	4.11	5.55
402635	'GRIFIN'	0.12	0	0	0.04	0	0
402665	'IGLON5'	0.21	0	0.15	0.12	0.06	0.04
402682	'UFSP1'	0.48	0.73	1.19	0.23	0.75	1.83
402778	'IFITM10'	7.53	5.17	2.13	3.95	1.12	3.86
403	'ARL3'	3.72	3.47	6.12	4.98	8.85	8.06
403253	'OR4A47'	0	0	0	0.12	0	0.15
4033	'IRAG2'	37.81	32.21	26.43	22.57	24.77	22.07
403313	'PLPP6'	5.87	3.29	3.89	6.07	9.39	8.47
403314	'APOBEC4'	0	0	0	0.03	0	0.04
403341	'ZBTB34'	5.96	2.95	1.78	2.52	4.44	2.28
4034	'LRCH4'	148.23	115.15	120.13	86.1	103.26	168.04
4035	'LRP1'	0.16	0.17	0.18	0.11	0.77	0.14
4036	'LRP2'	0	0	0	0	0.02	0.01
4037	'LRP3'	0	0	0	0.02	0	0
4038	'LRP4'	0.03	0	0.04	0.01	0.04	0
4040	'LRP6'	0.04	0.03	0.08	0.06	0.03	0.08

404037	'HAPLN4'	0.14	0.07	0.13	0.46	0.15	0.35
404093	'CUEDC1'	0.08	0.06	0.12	0.11	0.19	0.48
4041	'LRP5'	2.6	1.18	2.12	0.88	5.42	6.52
404217	'CTXN1'	0.12	0.09	0.45	0.25	0.28	0.42
404220	'C6orf201	0.93	0.43	0.27	0.15	0.78	0.56
404281	'YY2'	1.18	0.68	0.67	1.33	0.7	1.7
4043	'LRPAP1'	17.64	14.77	16.93	14.06	15.6	16.76
4045	'LSAMP'	0	0	0.02	0	0	0
404550	'C16orf74	0.54	0.41	0.67	0.25	1.27	1.11
4046	'LSP1'	920.06	992.93	892.8	914.8	1852.38	897.39
404636	'DENND10'	50.66	42.14	36.35	47.5	54.62	41.8
404672	'GTF2H5'	2.62	2.42	2.75	2.24	2.59	2.81
4047	'LSS'	26.1	19.68	27.31	14.96	19.92	23.61
404734	'ANKHD1-E	21.76	8.72	9.25	7.8	19.83	19.8
4048	'LTA4H'	62.56	54.51	63.71	41.32	68.25	62.72
4049	'LTA'	56.63	66.74	54.15	65.96	38.93	114.83
405	'ARNT'	24.16	16.35	13.95	12.52	26.22	19.75
4050	'LTB'	1044.1	1181.5	1678.8	1415.78	1316.73	4440.98
4051	'CYP4F3'	0.04	0.03	0.05	0.02	0.25	0
4052	'LTBP1'	0.13	0.11	0.35	0.05	0.19	0.11
4053	'LTBP2'	0.09	0.17	0.1	0.11	0.33	0.15
4054	'LTBP3'	29.29	25.63	12.24	16.81	12.99	21.04
4055	'LTBR'	3.11	1.33	0.9	0.77	0.11	1.06
4056	'LTC4S'	1.97	3.97	5.67	2.91	8.31	1.53
4057	'LTF'	0.05	0	0.04	0.07	0	0.13
405753	'DUOXA2'	0.08	0	0	0	0	0
405754	'ERVFRD-1	0.4	0.03	0.03	0.11	0	0.14
4058	'LTK'	2.43	2.67	3.49	1.68	1.61	21.12
4059	'BCAM'	0.05	0	0.07	0	0	0
406	'ARNTL'	35.83	30.09	15.63	27.96	29.22	35.53
4060	'LUM'	0	0.04	0.29	0.03	0	0
4061	'LY6E'	726.37	738.99	1216.2	1224.64	1087.34	2226.67
4063	'LY9'	14.45	27.21	17.11	35.25	32.71	52.99
4064	'CD180'	0.36	0.05	0.82	0.15	0.09	2.47
4065	'LY75'	17.4	8.33	6.64	6.9	7.03	10.19
4066	'LYL1'	3.59	4.11	13.31	1.51	8.16	7.59
4067	'LYN'	54.45	37.12	29.98	24.37	26.93	21
4068	'SH2D1A'	157.86	117.28	99.16	117.58	107.91	106.69
4069	'LYZ'	0.67	0.76	5.99	18.17	0.45	3.08
4070	'TACSTD2'	0	0	0	0.05	0	0
4071	'TM4SF1'	0	0	0	0.38	0	0.16
4072	'EPCAM'	0	0	0.07	0.06	0.07	0.08
4074	'M6PR'	94.37	72.78	126.86	67.74	115.53	119.11
4076	'CAPRIN1'	93.81	50.05	69.07	43.45	70.94	69.58
4077	'NBR1'	35.97	24.72	27.01	23.21	52.41	46.32
407738	'TAFA1'	0.16	0.08	0	0.4	0.44	0.56
407977	'TNFSF12-	4.75	4.62	0.85	4.06	0	1.94
408	'ARRB1'	8.84	6.81	9.99	4.5	8.72	5.65
408050	'NOMO3'	16.48	5.49	6.56	10.95	5.95	16.62
4081	'MAB21L1'	0.04	0	0.03	0	0	0.04
4082	'MARCKS'	0.35	0.18	0.59	0.29	0.25	2.38
408263	'FNDC9'	1.29	0.44	0.1	0.32	0.25	0.57
4084	'MXD1'	45.67	37.55	25.26	21.77	32.99	48.05
4085	'MAD2L1'	18.56	11.83	21.07	11.7	8.82	9.27

4086	'SMAD1'	12.03	6.93	4.78	0.94	2.75	9.79
4087	'SMAD2'	19.55	12.84	13.12	13.36	18.08	14.96
4088	'SMAD3'	53.77	49.42	37.32	26.41	89.6	49.48
4089	'SMAD4'	12.72	8.75	6.4	8.84	9.69	9.45
409	'ARRB2'	540.29	487.08	511.17	380.06	445.08	489.87
4090	'SMAD5'	8.31	5.46	2.83	4.11	7.58	3.81
4091	'SMAD6'	0.24	0.16	0.24	0.15	0.58	0.45
4092	'SMAD7'	77.75	59.84	40.74	73.05	37.48	102.51
4093	'SMAD9'	0.02	0.04	0.03	0.11	0.6	0.04
4094	'MAF'	191.72	127.43	83.83	127.2	113.71	182.26
4097	'MAFG'	41.44	19.57	17.79	19.11	16.76	26.26
4099	'MAG'	0	0	0.04	0.04	0.04	0
41	'ASIC1'	1.87	1.21	1.76	1.83	8.35	1.45
410	'ARSA'	36.6	37.47	34.18	23.77	46.46	62.46
411	'ARSB'	12.96	6.09	6.71	7.5	3.44	9.66
4116	'MAGOH'	89.88	83.14	123.64	106.09	62.67	86.8
4117	'MAK'	0.4	0.14	0.08	1.05	0.48	0.35
4118	'MAL'	396.39	233.37	335.7	131.06	713.04	279.99
412	'STS'	13.56	5.21	3.11	2.57	4.37	4.7
4121	'MAN1A1'	26.82	20.55	35.31	16.37	25.34	54.47
4122	'MAN2A2'	58.02	43.4	33.29	30.2	34.61	51.99
4123	'MAN2C1'	37.05	36.78	21.83	29.67	21.5	35.81
4124	'MAN2A1'	17.55	10.28	9.61	8.94	12.43	15.61
4125	'MAN2B1'	119.95	99.53	97.52	71	129.05	111.36
4126	'MANBA'	11.68	9.75	8.32	10.23	13.52	10.45
4128	'MAOA'	0.02	0	0.34	0	0.05	0.08
4129	'MAOB'	0	0	0	0	0	0.05
4130	'MAP1A'	2.89	1.41	1.82	1.98	3.13	3.15
4131	'MAP1B'	0.08	0.06	0.03	0.04	0.02	0.03
4133	'MAP2'	0	0	0.03	0	0	0.02
4134	'MAP4'	87.25	43.55	59.96	39.52	46.72	63.17
4135	'MAP6'	0.97	0.98	0.8	0.1	2.15	2.19
4137	'MAPT'	1.16	1.06	0.72	0.3	2.01	4.04
4139	'MARK1'	0.08	0.02	0.06	0	0	0.14
414	'ARSD'	9.68	6.59	4.86	4.42	4.95	7.16
4140	'MARK3'	49.23	49.09	44.33	41.02	38.28	58.82
414060	'TBC1D3C'	2.01	3.28	0.19	0	0	0
414062	'CCL3L3'	43.46	69.06	41.93	44.59	0	43.38
4141	'MARS1'	111.88	50.06	120.57	55.25	45.25	101.24
414149	'ACBD7'	1.25	0.86	0.65	0.63	0.68	0.66
414152	'C10orf10	0.08	0.02	0.07	0.02	0.08	0.09
414189	'AGAP6'	37.77	30.68	18.86	27.05	17.41	26.61
4142	'MAS1'	0.03	0.02	0	0.03	0.02	0.04
414301	'DDI1'	0	0	0	0	0	0.04
414328	'IDNK'	12.09	18.78	17.42	12.53	21.61	18.05
414332	'LCN10'	0.07	0	0.26	0	0.11	0.25
4144	'MAT2A'	110.26	73.41	110.27	51.84	78.84	77.97
4145	'MATK'	66.66	85.7	86.61	54.15	28.71	38.29
4146	'MATN1'	0.46	0.2	0.05	0.19	0.03	0.35
4147	'MATN2'	0.08	0.15	0.07	0.11	0.05	0.45
4148	'MATN3'	0.15	0	0	0	0.04	0
4149	'MAX'	56.05	55.47	61.31	51.08	79.15	63.89
414918	'DENND6B'	13.61	18.35	27.29	15.84	22.12	11.08
414919	'C8orf82'	19.03	15.2	15.23	11.75	19.54	21.88

4150	'MAZ'	245.66	143.69	169.8	132.77	117.53	152.04
4151	'MB'	1.04	0.9	1.76	0.92	0	0.52
415116	'PIM3'	106.55	106.04	78.79	115.25	55.09	176.39
415117	'STX19'	0	0.05	0.11	0.15	0.1	0.12
4152	'MBD1'	75.13	55.55	43.1	48.82	62.55	63
4154	'MBNL1'	249.61	140.93	156.05	176.8	144.3	220.07
4155	'MBP'	94.09	48.67	44.01	53.68	75.65	58.4
4157	'MC1R'	7.57	4.29	2.47	7.91	3.53	5.8
4161	'MC5R'	0	0.12	0	0	0.06	0.07
4162	'MCAM'	10.12	8.74	9.69	3.81	6.62	12.16
4163	'MCC'	0.93	0.61	0.89	0.78	1.81	1.48
4166	'CHST6'	0	0	0.01	0	0.01	0
4168	'MCF2'	0.31	0.57	0.34	0.55	0.49	0.88
4170	'MCL1'	324.94	282.58	176.05	311.05	239.66	329.02
4171	'MCM2'	93.8	41.45	80.56	36.26	63.89	33.13
4172	'MCM3'	124.16	68.94	169.97	67.68	80.69	75
4173	'MCM4'	88.55	36.15	80.75	35.03	51.54	39.5
4174	'MCM5'	159.82	81.37	163.2	56.78	88.22	82.36
4175	'MCM6'	91.45	39.89	92.59	47.72	45.01	47.28
4176	'MCM7'	309.98	177.18	327.65	164.02	147.12	138.85
4179	'CD46'	88.35	71.83	55.52	61.64	78.43	76.01
4185	'ADAM11'	0.33	0.31	0.19	0.07	0.39	0.11
4188	'MDFI'	0	0	0	0	0	0.07
4189	'DNAJB9'	33.35	31.64	24.42	40.56	54.68	40.85
419	'ART3'	0.07	0.06	0.03	0.11	0.09	0.18
4190	'MDH1'	182.77	151.61	203.29	139.78	146.46	167.58
4191	'MDH2'	172.4	157.46	195.88	146.13	127.17	145.51
4192	'MDK'	12.05	14.74	8.64	15.31	1.93	14.7
4193	'MDM2'	34.52	27.07	37.03	21.33	79.72	73.38
4194	'MDM4'	15.13	11.49	5.83	8.46	9.13	10.71
4199	'ME1'	5.49	3.24	3.45	11.33	2.49	8.86
420	'ART4'	0	0	0	0.02	0	0
4200	'ME2'	17.03	9.47	15.01	9.65	7.97	13.46
4201	'MEA1'	113.44	113.17	142.85	120.48	141.62	135.08
4204	'MECP2'	68.94	45.43	47.02	44.05	81.25	66.16
4205	'MEF2A'	27.75	18.58	12.87	12.51	16.56	19.49
4207	'BORCS8-M	11.59	7.59	4.11	9.45	4.64	7.42
4208	'MEF2C'	0.75	0.27	0.62	0.25	0.14	3.27
4209	'MEF2D'	48.9	33.34	31.16	25.26	30.98	51.97
421	'ARVCF'	0.73	0.7	0.28	0.38	1.31	0.69
4210	'MEFV'	0	0.04	0.08	0.03	0.08	0.05
4211	'MEIS1'	0.38	0.27	0.18	0.02	0.04	0.14
4212	'MEIS2'	0	0	0	0	0.12	0.09
4214	'MAP3K1'	18.06	10	7.02	9.96	11.35	13.4
4215	'MAP3K3'	39.88	27.33	23.79	24.49	33.22	34.94
4216	'MAP3K4'	12.7	9.76	7.26	10.95	9.46	11.6
4217	'MAP3K5'	24.06	17.88	14.11	10.68	13.64	20.68
4218	'RAB8A'	122.22	72.59	136.14	61.97	87.36	98.22
4221	'MEN1'	41.44	33.04	45.47	28.47	43.02	62.13
4222	'MEOX1'	0.18	0.14	0.23	0.17	0.29	1.71
4225	'MEP1B'	0.12	0.04	0	0	0.05	0.03
4232	'MEST'	0.32	0.25	0.5	0.08	0.09	0.24
4233	'MET'	0.08	0	0.03	0.02	0.04	0.02
4234	'METTL1'	11.47	7.52	12.31	9.06	2.19	12.63

4236	'MFAP1'	12.88	10.81	21.01	8.86	29.46	16.04
4237	'MFAP2'	0	0.11	0	0.11	0	0.26
4238	'MFAP3'	9.23	6.78	6.61	7.51	11.12	8.81
4239	'MFAP4'	0.23	0	0.06	0.05	0.06	0.07
4240	'MFGE8'	28.11	21.78	20.14	10.62	42.72	19.05
4241	'MELTF'	2.82	2.32	2.23	0.93	4.06	2.15
4242	'MFNG'	236.39	196.46	176.98	169.63	234.27	190.01
4245	'MGAT1'	162.07	109.54	102.9	128.16	296.02	156.15
4247	'MGAT2'	68.28	48.2	59.11	56.51	69.51	69.35
4248	'MGAT3'	3.47	1.4	2.85	0.84	8.57	5.15
4249	'MGAT5'	10.05	7.79	6.87	6.95	19.35	12.74
4253	'MIA2'	58.86	41.36	30.47	34.7	29.95	47.79
4254	'KITLG'	0	0	0	0	0.04	0.02
4255	'MGMT'	26.19	29.63	43.39	29.67	31.25	26.46
4256	'MGP'	0.34	1.39	0.5	0.65	0.26	1.04
4257	'MGST1'	21.6	8.2	4.31	3.36	0.97	0.64
4258	'MGST2'	45.17	61.89	46.65	27.49	47.07	19.68
4259	'MGST3'	122.3	141.38	219.82	162.49	127.41	178.84
4261	'CIITA'	37.79	17.68	17.85	10.94	15.02	20.64
4267	'CD99'	975.53	1128.3	1064.4	1868.08	1066.11	926.73
427	'ASAH1'	48.17	35.54	31.19	23.25	29.98	29.08
4277	'MICB'	32.7	21.61	28.17	20.05	27.36	32.3
4281	'MID1'	0.08	0.05	0.04	0.03	0.03	0.07
4282	'MIF'	973.37	1729.7	1034.4	1516.13	2374.13	623.42
4283	'CXCL9'	1.74	0.43	3.16	0.63	0.92	1.4
4284	'MIP'	0.06	0	0.04	0	0	0
4285	'MIPEP'	3.89	3.52	5.52	4.25	3.08	4.58
4286	'MITF'	0.05	0.02	0.15	0.09	0	0.09
4287	'ATXN3'	4.96	4.22	2.97	4.17	5.2	4.4
4288	'MKI67'	147.54	47.1	85.45	26.33	38.64	38.67
4289	'MKLN1'	17.08	7.98	6.77	8.34	12.73	14.07
4291	'MLF1'	1.35	1.76	1.7	2.14	1.49	2.95
4292	'MLH1'	29.9	20.8	46.2	18.97	25.92	32.98
4293	'MAP3K9'	3.46	2.05	0.98	1.69	1.43	2.07
4294	'MAP3K10'	22.25	21.3	12.6	16.02	19.89	25.23
4296	'MAP3K11'	39.05	29.97	37.59	18.56	43.69	42.35
4297	'KMT2A'	30.87	10.39	8.66	11.03	21.77	16.06
4298	'MLLT1'	40.34	25.81	31.9	24.39	26.96	33.77
4299	'AFF1'	23.3	10.67	7.3	9.77	15.59	18
43	'ACHE'	0.14	0.21	0.16	0.24	0.55	0.66
430	'ASCL2'	0.67	0.67	0.88	0.99	4.11	3.83
4300	'MLLT3'	10.3	9.58	12.11	11.04	23.25	15.95
4301	'AFDN'	10.85	8.31	15.93	15.38	14.18	18.28
4302	'MLLT6'	128.04	80.85	68.95	66.17	102.42	127.68
4303	'FOXO4'	13.43	11.86	7.61	8.2	18.4	12.66
4306	'NR3C2'	1.02	1.02	1.81	2.39	3.1	3.16
4308	'TRPM1'	0	0	0	0	0.02	0
4311	'MME'	0	0	0	0.04	0	0.08
4312	'MMP1'	0	0.11	0.05	0	0	0.13
4313	'MMP2'	0	0.03	0.7	0.03	0	0.04
4316	'MMP7'	0	0	0.31	0.39	0	0.24
431705	'ASTL'	0.36	0.63	0.23	0.38	0.25	0.72
4318	'MMP9'	0.23	0.13	0.3	2.91	0	2.29
432	'ASGR1'	0	0.34	0.33	0	1.23	0.1

4320	'MMP11'	0.18	0.36	0.35	0.29	0.92	0.36
4321	'MMP12'	0	0	0.06	0.32	0	0
4323	'MMP14'	4.82	3.01	1.96	1.27	0.43	0.9
4324	'MMP15'	0.87	0.49	1.22	0.35	0.9	0.65
4326	'MMP17'	0.12	0.08	0.23	0.17	0.05	0.58
4327	'MMP19'	2.13	3.36	2.79	2.21	4.25	4.08
4329	'ALDH6A1'	2.7	1.22	3.01	1.51	4.45	3.23
433	'ASGR2'	0	0	0.19	0.09	0	0
4330	'MN1'	0.42	0.21	0.28	0.47	0.29	0.63
4331	'MNAT1'	33.18	34.39	37.26	31.75	23.98	32.57
4332	'MNDA'	0.08	0.06	2.35	0.34	0	0.57
4335	'MNT'	20.64	12.99	12.16	11.71	12.87	20.35
4336	'MOBP'	0.28	0	0.06	0	0.18	0.08
4337	'MOCS1'	0.55	0.36	0.07	0.02	0	0.69
4338	'MOCS2'	16.07	16.25	18.83	13.86	16.91	19.61
434	'ASIP'	0	0	0	0	0	0.04
4340	'MOG'	0	0	0	0	0.13	0.05
4343	'MOV10'	24.41	16.78	25.35	15.62	20.15	36.25
4345	'CD200'	0.13	0.12	0.09	0.12	0.2	0.62
435	'ASL'	32.77	33.98	30.9	19.74	29.97	23.19
4350	'MPG'	91.71	133.55	112.58	84.25	213.45	100.4
4351	'MPI'	23.46	31.94	32.33	21.67	81.52	39.36
4352	'MPL'	0.07	0	0.08	0.02	0.05	0
4353	'MPO'	0	0	0.71	0	0	0
4354	'MPP1'	77.61	68.19	84.67	51.86	87.16	52.99
4355	'MPP2'	0	0.11	0.11	0.11	0.21	0.19
4356	'MPP3'	0	0	0	0.04	0	0.06
4357	'MPST'	98.03	123.75	110.93	76.73	160.57	102.71
4358	'MPV17'	77.54	80.02	100.91	62.22	99.46	106.78
4359	'MPZ'	1.81	1.32	2.13	1.27	3.64	1.65
4360	'MRC1'	0.05	0.02	0.02	0.42	0.07	0.06
4361	'MRE11'	16.5	8.11	10.25	9.05	12.37	11.2
4363	'ABCC1'	42.39	20.76	22.37	20.9	37.29	24.48
438	'ASMT'	0.15	0.58	0.41	0.43	0.17	0.39
43847	'KLK14'	0.16	0	0.1	0.33	0	0.39
439	'GET3'	155	146.29	146.39	129.94	100.96	161.87
439921	'MXRA7'	80.78	71.03	40.31	55.44	97.54	93.42
439996	'IFIT1B'	0	0	0	0.05	0	0.24
440	'ASNS'	59.82	38.13	98.48	26.07	53.6	41.71
440021	'KRTAP5-2	0	0	0.41	0.19	0.21	0.24
440026	'TMEM41B'	11.15	10.72	11.28	10.02	13.25	11.03
440050	'KRTAP5-7	0.1	0.08	0	0	0	0.09
440068	'CARD17'	1.32	1.51	3.18	1.93	4.23	6.99
440073	'IQSEC3'	0	0.01	0.07	0	0.37	0.03
440077	'ZNF705A'	0	0	0	0	0	0.03
440087	'SMCO3'	0.13	0.05	0.1	0.04	0	0.06
440093	'H3-5'	1.93	2.3	2.57	1.16	1.5	3.99
440097	'DBX2'	0	0	0.03	0	0	0
440107	'PLEKHG7'	0	0	0.04	0.06	0	0.03
440138	'ALG11'	7.94	4.42	4.71	4.4	7.48	6.55
440145	'MZT1'	22.22	18.15	20.79	14.81	14.98	16.09
440163	'RNASE13'	0	0.07	0.13	0.06	0	0.08
440184	'CCDC196'	0	0	0	0.04	0.2	0
440193	'CCDC88C'	103.84	65.95	63.32	55.06	93.61	84.33

440270	'GOLGA8B'	191.3	183.26	75.52	102.4	181.41	117.31
440275	'EIF2AK4'	16.82	11.22	9.28	10.42	8.04	14.81
440295	'GOLGA6L9	3	4.34	3.16	3.84	15.16	7.79
440335	'SMIM22'	0	0	0	0.23	0	0
440345	'NPIPB4'	183.37	144.8	81.33	113.79	130.89	133.19
440348	'NPIPB15'	22.18	21.9	17.15	32.9	16.97	21.06
440353	'NPIPB12'	108.87	87.37	33.85	54.73	46.08	50.17
440400	'RNASEK'	883.01	948.74	738.24	1040.46	565.69	1020.28
440435	'GPR179'	0	0.01	0.01	0.01	0.05	0.01
440498	'HSBP1L1'	2.76	5	3.88	4.25	14.74	2.17
440503	'PLIN5'	0	0	0.04	0.07	0	0
440515	'ZNF506'	7.44	6.11	4.27	7.27	7.01	6.59
440519	'ZNF724'	3.61	1.72	0.76	0.91	1.28	0.9
440560	'PRAMEF11	0	0	0	0	0.05	0
440567	'UQCRHL'	0	0.32	0	0	0	0
440574	'MICOS10'	8.14	8.69	16.72	9.39	6.77	12.58
440585	'FAM183A'	0.43	0	0	0.3	0	0.37
440590	'ZYG11A'	0.54	0.27	0.21	0.08	0.2	0.09
440603	'BCL2L15'	0.72	0.53	1.59	0.58	0.57	1.26
440672	'NUDT4B'	7.83	4.79	4.48	4.12	3.33	7.01
440686	'H3-2'	0.84	1.16	0.77	0.64	0.39	1.51
440689	'H2BC18'	1.47	2.31	0.75	0.93	0.39	2.28
440712	'RHEX'	0.26	0.3	8.21	0.18	0	1.14
440730	'TRIM67'	0.03	0.01	0	0	0	0.03
440738	'MAP1LC3C	0	0.19	0	0.09	0.09	0.1
440804	'RIMBP3B'	0.06	0.05	0.1	0.05	0.43	0.44
440822	'PIWIL3'	0	0.06	0	0.05	0.03	0
440829	'SHISA8'	0.06	0.15	0.13	0.23	0.33	0.53
440836	'ODF3B'	2.83	3.02	4.82	4.43	1.94	7.71
440854	'CAPN14'	0.27	0.29	0.27	0.07	0.47	0.29
440955	'TMEM89'	0	0.57	0.28	0.26	0.29	0.65
440957	'SMIM4'	16.22	14.55	20.95	21.91	13.73	17.95
441024	'MTHFD2L'	8.23	7.34	5.34	8.76	3.43	8.48
441027	'TMEM150C	0.12	0.1	0	0.09	0.17	0.11
441054	'C4orf47'	0.37	0.49	0.18	0.53	2.97	0.56
441150	'C6orf226	18.43	36.78	24.45	27.91	19.69	32.65
441151	'TMEM151B	0.06	0	0	0.02	0	0
441155	'LOC44115	1.37	1	0.94	0.2	0.66	0.5
441161	'OOEP'	0.85	0	0.42	0	0.22	0.49
441168	'CALHM6'	3.16	6.24	8.14	6.02	18.25	3.07
441234	'ZNF716'	0	0	0	0.02	0	0.02
441239	'LOC44123	0.07	0.06	0	0.14	0	0.25
441250	'TYW1B'	4.61	3.9	2.05	5.98	1.54	2.75
441272	'SPDYE3'	8.98	6.85	9.33	6.82	6.17	9.38
441273	'SPDYE2'	2.67	1.51	2.95	3.77	2.94	4.54
441282	'AKR1B15'	1.13	1.01	0.5	0.7	2.15	1.17
441294	'CTAGE15'	0.68	0.64	0.27	0.45	0.37	0.92
441308	'OR4F21'	0	0	0	0	0.02	0.03
441376	'AARD'	0.06	0.04	0.91	0	0.23	0.36
441381	'LRRC24'	0.37	1.44	0.7	0.71	0.77	0.85
441452	'SPATA31C	0	0	0	0	0.01	0.08
441457	'NUTM2G'	0.73	0.15	0.56	0.24	0.52	0.43
441459	'ANKRD18E	0.07	0.05	0.15	0.15	0.12	0.08
441476	'STPG3'	0	0.1	0.09	0	0.2	0

441478	'NRARP'	0.64	1.24	1.25	0.56	0.89	0.87
441518	'RTL8B'	0.4	0.45	0.35	0.23	0.73	0.12
441519	'CT45A3'	0	0	0	0.29	0	0
441531	'PGAM4'	3.02	2.28	1.87	1.89	7.77	2.43
441549	'CDNF'	0.1	0.71	0.54	0.51	1.55	1.28
441631	'TSPAN11'	0.02	0	0	0	0.02	0
441869	'ANKRD65'	0.09	0.15	0.22	0.21	0.15	0
442117	'GALNTL6'	0	0	0	0.04	0	0
442179	'OR1F12'	0	0	0	0.11	0	0
442213	'PTCHD4'	0.13	0.15	0.03	0.11	0.08	0.31
442247	'RFPL4B'	0	0	0	0	0	0.06
442319	'ZNF727'	0.04	0.02	0.02	0.08	0	0.06
442361	'OR2A2'	0	0	0	0	0	0.15
442590	'SPDYE5'	0.43	0.25	0.18	0.44	0.33	0.33
442721	'LMOD2'	0.29	0.22	0.13	0.12	0	0.05
443	'ASPA'	0.02	0	0	0.02	0.02	0.02
4430	'MYO1B'	10.71	3.04	8	3.2	10.48	3.35
4435	'CITED1'	1.07	1.13	0.63	0	0.99	2.05
4436	'MSH2'	33.35	14.09	27.15	16.06	23.42	17.36
4437	'MSH3'	9.53	6.39	9.99	7.58	10.75	10.55
4438	'MSH4'	0	0.03	0.06	0	0.03	0.03
4439	'MSH5'	12.7	12.68	13.56	7.77	12.75	10.4
444	'ASPH'	3.39	2.35	3.02	2.48	1.82	2.29
444882	'IGFL4'	97.34	50.16	26.22	34.73	42.35	45.76
445	'ASS1'	15.4	3.37	11.36	0.91	2.31	2.38
445328	'ARHGEF35	1.66	1.34	1.42	1.45	1.3	3.45
445329	'SULT1A4'	17.99	34.76	14.07	10.48	13.28	0
445347	'TARP'	300.05	329.1	764.11	223.62	480.85	168.77
445571	'CBWD3'	7.67	5.44	7.77	10.04	3.69	9.87
445577	'C9orf129	0.13	0.03	0.05	0.11	0.04	0.07
445582	'POTEE'	0.09	0	0	0	0	0
445815	'PALM2AKA	40.91	19.23	24.38	21.63	11.09	34.6
4478	'MSN'	1348	711.08	893.83	577.55	669.61	899.37
4481	'MSR1'	0	0	0	1.1	0	0
4482	'MSRA'	22.66	16.91	13.15	7.74	5.49	10.69
4485	'MST1'	3.8	5.23	2.83	2.06	7.99	5.17
4486	'MST1R'	0.27	0.18	0.27	0.09	0.33	0.27
4487	'MSX1'	0.07	0.11	0.05	0.05	0.05	0.18
4488	'MSX2'	0.43	0.69	1.41	0.17	0.38	1.28
448831	'FRG2'	0	0	0	0.05	0.1	0
4489	'MT1A'	5.17	3.87	1.25	2.38	1.96	2.22
4493	'MT1E'	4006.5	5827.7	475.08	11574.03	206.65	392.88
4494	'MT1F'	380.96	396.64	87.27	1069.07	88.23	151.93
4495	'MT1G'	978.73	1199.3	20.03	2179.51	3.37	16.93
4496	'MT1H'	16.26	33.91	0.62	37.83	0.65	2.2
4499	'MT1M'	35.7	26.7	0.62	48.14	0	2.18
4501	'MT1X'	2277.4	2912.4	276.19	8390.96	114.83	338.03
4502	'MT2A'	9016.5	11406	732.92	31072.02	684.68	1079.51
4504	'MT3'	0	0	0	0.56	5.49	0
4507	'MTAP'	7.31	6.23	9.84	7.06	5.5	8.02
4515	'MTCP1'	4.03	2.82	2.09	2.86	3.38	2.62
4520	'MTF1'	11.37	5.81	4.88	5.68	5.4	7.21
4521	'NUDT1'	118.67	115.16	165.58	103.43	72.55	94.68
4522	'MTHFD1'	61.39	32.49	86.03	25.58	22	44.97

4524	'MTHFR'	17.18	9.62	7.71	7.31	8.42	13.06
4528	'MTIF2'	21.41	18.69	22.16	16.42	22.99	24.82
4534	'MTM1'	14.65	11.7	18.27	7.02	16.02	20.85
4542	'MYO1F'	149.38	112.42	166.54	69.4	164.24	223.19
4547	'MTTP'	0	0.02	0.02	0	0	0
4548	'MTR'	9.21	5.25	4.32	5.72	9.75	7.31
4552	'MTRR'	35.46	24.03	25.45	19.9	28.15	40.91
4580	'MTX1'	35.78	35.92	54.97	32.71	24.55	43.13
4582	'MUC1'	28.82	19.5	23.68	12.98	7.36	37.18
4584	'MUC3A'	0.01	0.01	0.02	0.01	0	0
4585	'MUC4'	0.39	0.07	0.02	0.02	0.15	0.09
4586	'MUC5AC'	0	0	0	0	0.01	0
4588	'MUC6'	0.15	0.08	0.12	0.05	0.01	0.04
4591	'TRIM37'	22.6	14.92	12.88	16.97	10.62	17.01
4594	'MMUT'	9.91	8.01	9.79	6.62	12.46	11.23
4595	'MUTYH'	22.28	18.07	22.87	15.7	15.77	25.05
4597	'MVD'	73.66	86.81	81.62	47.65	73.08	73.54
4598	'MVK'	18.47	21.52	28.22	16	12.92	27.38
4599	'MX1'	21.84	8.5	164.8	181.82	26.11	534.37
4600	'MX2'	4.39	2.59	24.63	32.1	8.18	107.42
4601	'MXI1'	7.02	5.03	8.08	9.53	102.46	15.54
4602	'MYB'	30.7	14.38	24.86	12.44	8.61	20.93
4603	'MYBL1'	29.44	32.75	16.71	22.02	25.65	37.45
4605	'MYBL2'	101.55	52.31	132.02	35.52	70.63	53.12
4607	'MYBPC3'	0.03	0	0	0	0	0.03
4608	'MYBPH'	0	0	0	0	0	0.13
4609	'MYC'	46.08	50.01	57.44	43.44	94.14	67.3
4610	'MYCL'	0.04	0.03	0.03	0.03	0.03	0
4613	'MYCN'	0	0	0.06	0	0	0
4615	'MYD88'	81.94	66.26	83.41	80.02	92.87	145.85
4616	'GADD45B'	527.07	1093.2	163.46	626.14	73.45	189.76
462	'SERPINC1	0.09	0.05	0.07	0.12	0.07	0.15
4621	'MYH3'	1.09	0.66	0.61	0.46	0.93	1.43
4624	'MYH6'	0.1	0.03	0	0	0.03	0.09
4625	'MYH7'	0	0.02	0.02	0	0.02	0.04
4627	'MYH9'	421.18	204.46	347.84	184.59	392.75	430.05
4628	'MYH10'	0.92	0.28	0.38	0.22	1	0.41
4629	'MYH11'	0.06	0.04	0.03	0.04	0.03	0.05
463	'ZFHX3'	2.56	0.82	0.58	0.49	0.6	0.42
4633	'MYL2'	0	0	0	0	0	0.2
4635	'MYL4'	0	0.75	0.44	0.42	0	0.17
4636	'MYL5'	9.65	8.7	8.29	6.71	6.28	7.98
4637	'MYL6'	1461.6	1833.9	2000.1	1777.84	1230.92	2045.28
4638	'MYLK'	0.32	0.08	0.04	0	0.1	0.04
4640	'MYO1A'	0.07	0.19	0.28	0.03	0.19	0
4641	'MYO1C'	22.32	16.7	20.02	10.17	23.42	32.37
4642	'MYO1D'	6.9	4.41	3.57	10.57	7.63	11.31
4643	'MYO1E'	1.28	0.8	2.75	0.32	3.15	0.95
4644	'MYO5A'	31.45	14.29	10.7	16.14	10.41	27.99
4645	'MYO5B'	0.11	0	0.06	0.12	0.48	0.07
4646	'MYO6'	2.65	3.03	1.3	1.18	2.77	1.99
4647	'MYO7A'	0.78	0.24	0.08	0.14	0.01	0.44
4648	'MYO7B'	0	0.01	0.01	0.01	0	0
4649	'MYO9A'	4.2	2.96	2.84	3.07	6.87	5.21

4650 'MYO9B'	95.02	62.58	45.07	35.63	87.71	71.91
4651 'MYO10'	0.04	0	0	0.01	0.01	0.02
4653 'MYOC'	0.13	0.05	0	0.04	0	0
4659 'PPP1R12A	40.23	24.69	23.34	25.34	28.86	35.25
466 'ATF1'	31.88	23	27.17	24.04	26.45	28.62
4660 'PPP1R12B	8.04	3.79	3.21	2.94	6.16	6.41
4661 'MYT1'	0	0	0	0	0	0.02
4664 'NAB1'	14.08	7.46	7.56	8.17	6.58	6.67
4665 'NAB2'	3.55	1.94	3.11	3.22	8	2.41
4666 'NACA'	1699.4	1933.4	1762.9	2156.85	1998.82	1532.77
4668 'NAGA'	24.06	16.88	21.42	12.55	15.85	20.95
4669 'NAGLU'	27.32	26.52	20.96	24.55	11.77	21.76
467 'ATF3'	34.91	34.4	41.62	35.82	57.8	56.39
4670 'HNRNPM'	296.41	192.46	226.28	210.04	126.78	197.09
4671 'NAIP'	13.65	8.51	4.66	7.29	8.55	5.8
4673 'NAP1L1'	445.94	419.01	388.38	440.14	539.08	305.98
4674 'NAP1L2'	1.28	1.13	1.07	1.59	1.32	2.12
4675 'NAP1L3'	0.54	0.37	0.26	0.52	0.23	0.99
4676 'NAP1L4'	146.22	104.99	137.57	82.48	139.11	168.1
4677 'NARS1'	79.31	58.45	76.58	57.62	54.75	70.63
4678 'NASP'	139.76	95.66	214.96	88.44	90.06	106.89
468 'ATF4'	1090.3	1036.9	911.82	784.8	666.17	794.4
4681 'NBL1'	18.31	11.27	11.58	10.4	23.86	8.58
4682 'NUBP1'	67.24	56.33	67.21	55.18	43.42	65.58
4683 'NBN'	28.15	13.21	15.48	12.87	11	19.35
4684 'NCAM1'	72.04	36.29	21.19	27.69	32.68	13.96
4685 'NCAM2'	0.59	0.9	0.18	0.72	0.66	0.26
4686 'NCBP1'	15.37	7.43	11.51	8.55	11.52	13.65
4688 'NCF2'	3.72	2.04	5.78	2.19	2.39	6.34
4689 'NCF4'	157.12	167.07	257.93	124.18	168.76	225.25
4690 'NCK1'	23.98	23.16	19.24	21.08	29.97	28.4
4691 'NCL'	304.03	197.68	272.78	188.17	161.58	206.43
4692 'NDN'	0.93	0.54	0.48	0	0	0.06
4693 'NDP'	0	0	0.06	0	0	0
4694 'NDUFA1'	291.75	364.26	385.3	406.42	228.86	296.55
4695 'NDUFA2'	103.49	138.53	190.22	136.75	106.71	133.87
4696 'NDUFA3'	108.14	148.05	118.15	132.37	81.72	145.64
4697 'NDUFA4'	92.07	93.31	128.93	82.33	45.71	93.04
4698 'NDUFA5'	17.62	22.19	24.63	21.77	24.47	29.83
47 'ACLY'	88.96	47.6	75.57	47.53	50.97	71.02
4700 'NDUFA6'	117.18	128.04	146.45	99.17	77.71	119.54
4701 'NDUFA7'	110.71	122.25	138.38	85.74	94.57	111.89
4702 'NDUFA8'	40.24	52.09	80.88	45.82	69.13	73.26
4703 'NEB'	0.22	0.06	0.07	0.08	0.07	0.1
4704 'NDUFA9'	15	11.96	13.25	13	9.36	13.89
4705 'NDUFA10'	38.14	32.8	36.31	23.19	35.1	30.68
4706 'NDUFAB1'	102.92	109.55	171.1	99.02	72.46	142.76
4707 'NDUFB1'	618.32	979.15	1172	1152.21	605.32	808.39
4708 'NDUFB2'	224.71	304.5	327.51	248.29	159.27	270.36
4709 'NDUFB3'	205.19	188.4	321.57	184.45	181.49	269.79
471 'ATIC'	66.9	39.87	88.88	46.78	28.88	63.42
4710 'NDUFB4'	244.5	246.13	297.54	232.71	223.83	255.68
4711 'NDUFB5'	24.69	29.28	47.75	27.91	44.76	45.78
4712 'NDUFB6'	17.17	17.48	32.78	16.25	12.98	19.82

4713	'NDUFB7'	389.52	522.57	503.69	362.02	268.81	415.78
4714	'NDUFB8'	374.5	467.37	496.24	447.94	292.61	403.4
4715	'NDUFB9'	245.25	268.27	369.38	255.11	163.79	283.89
4716	'NDUFB10'	282.05	289.07	348.27	284.91	206.37	306.2
4717	'NDUFC1'	25.01	26.31	69.13	38.78	44.51	55.17
4718	'NDUFC2'	50.49	59.99	65.29	58.49	45.55	54.95
4719	'NDUFS1'	25.83	15.09	24.64	14.73	14.27	23.3
472	'ATM'	23.59	11.23	8.59	10.62	18.87	17.9
4720	'NDUFS2'	75.06	64.74	120.32	54.33	97.22	107.9
4722	'NDUFS3'	99.75	109.1	138.14	114.65	81.36	101.14
4723	'NDUFV1'	171.42	167.64	208.54	145.42	109.2	149.26
4724	'NDUFS4'	48.83	59.96	70.03	54.01	45.37	56.59
4725	'NDUFS5'	208.5	265.92	273.22	277.64	136.34	222.56
4726	'NDUFS6'	307.4	294.22	422.6	337.24	136.43	377.44
4728	'NDUFS8'	293.27	308.01	391.64	215.85	169.5	280.06
4729	'NDUFV2'	196.03	177.99	338.87	167.37	159.12	381.79
473	'RERE'	15.05	13.24	14.4	11.79	16.03	25.91
4731	'NDUFV3'	6.62	4.17	7.41	4.47	9.52	7.2
4733	'DRG1'	49.3	42.69	73.06	46.74	45.88	58.44
4734	'NEDD4'	1.42	0.76	1.16	1.29	1.63	3.55
4735	'SEPTIN2'	185.33	147.49	147.61	122.06	137.21	163.22
4736	'RPL10A'	1649.6	1873.2	1928.9	2143.23	1742.44	1429.81
4738	'NEDD8'	343.01	439.46	451.45	424.86	265.74	396.24
4739	'NEDD9'	161.09	119.78	111.09	86.23	82.96	155.68
4741	'NEFM'	0	0.08	0	0.05	0	0.21
474170	'LRRC37A2	16.07	6.31	4.55	4.48	10.26	9.75
474343	'SPIN2B'	3.44	6.2	5.07	4.73	9.37	8.3
474344	'GIMAP6'	66.92	53.89	35.51	45.81	105.71	51.43
474354	'LRRC18'	0	0.05	0.06	0	0.1	0
474381	'H2AB2'	0	0.43	1.05	2	0	1.82
474382	'H2AB1'	1.82	4.88	6.43	0	6.43	1.06
474384	'F8A3'	34.65	26.92	41.14	35.46	17.54	29.09
4744	'NEFH'	4.44	2.62	7.4	2.42	4	3.71
4747	'NEFL'	0	0.03	0.08	0	0.11	0.53
475	'ATOX1'	133.74	135.08	235.54	113.63	64.1	188.39
4750	'NEK1'	5.31	3.34	4.3	4.54	5.66	7.46
4751	'NEK2'	23.62	13.37	29.7	10.86	8.57	10.63
4752	'NEK3'	2.21	3.35	6.34	2.39	2.17	9.23
4753	'NELL2'	21.39	12.6	7.45	14.65	31.6	8.12
4756	'NEO1'	2.68	2.91	2.34	3.59	3.43	6.57
4758	'NEU1'	32.84	25.01	24.4	33.12	38	38.08
476	'ATP1A1'	197.51	137.02	194.28	134.41	130.96	201.36
4760	'NEUROD1'	0	0	0	0.04	0	0
4761	'NEUROD2'	0	0	0.03	0.03	0	0
4763	'NF1'	8.93	4.87	3.43	5.57	5.65	7.29
4771	'NF2'	17.44	10.28	13.58	9.92	6.17	16.03
4772	'NFATC1'	9.62	8.42	10.13	5.61	25.25	14.09
4773	'NFATC2'	59.71	21.46	19.59	26.77	35.34	28.82
4774	'NFIA'	0.18	0.19	0.4	0.29	0.73	0.4
4775	'NFATC3'	64.55	38.84	45.89	40.35	43.14	61.3
4776	'NFATC4'	0	0	0.17	0	0.03	0.02
4778	'NFE2'	0.08	0.14	5.03	0.13	0.07	0.32
4779	'NFE2L1'	107.78	42.84	48.43	35.15	61.96	53.53
478	'ATP1A3'	4.54	2.6	2.22	2.79	1.72	2.57

4780	'NFE2L2'	104.34	97.85	89.22	109.1	83.21	140.29
4781	'NFIB'	0.02	0	0.04	0	0	0
4782	'NFIC'	3.01	2.03	2.48	1.49	3.13	4.82
4783	'NFIL3'	90.43	76.73	74.88	60.64	131.31	97.22
4784	'NFIX'	0	0.02	0.45	0.02	0.05	0.06
479	'ATP12A'	0.17	0.13	0.2	0.04	0.09	0.37
4790	'NFKB1'	97.88	57.51	62.82	65.09	62.92	79.74
4791	'NFKB2'	93.62	62.72	68.26	49.23	67.46	112.76
4792	'NFKBIA'	1463	2514	961.8	2025.94	269.13	1366.4
4793	'NFKBIB'	157.8	131.66	117.78	116.61	81.26	125.07
4794	'NFKBIE'	21.01	16.74	17.22	14.05	11.04	43.17
4795	'NFKBIL1'	27.71	32.83	23.32	27.62	62.4	26.99
4796	'TONSL'	16.6	10.86	15.86	6.04	13.95	8.94
4798	'NFRKB'	16.74	12.07	7.9	7.63	13.57	13.86
4799	'NFX1'	34.77	21.19	14.87	21.44	25.72	27.56
48	'ACO1'	5.32	2.98	5.06	2.6	7.12	4.54
480	'ATP1A4'	0	0	0	0	0.15	0
4800	'NFYA'	16.81	12.29	9.34	10.07	14.84	13.17
4801	'NFYB'	17.11	13.71	17.31	11.01	17.26	16.61
4802	'NFYC'	67.59	53.81	71.19	43.35	55.31	71.38
4804	'NGFR'	0.49	0.65	1.34	0.11	1.55	0.66
4807	'NHLH1'	0.46	0.89	0.34	0.5	0.68	0.76
4809	'SNU13'	97.7	100.58	126.99	93.46	83.29	112.93
481	'ATP1B1'	4.5	3.24	3.23	2.25	1.42	1.17
4810	'NHS'	0.08	0.05	0.05	0.04	0.05	0
4811	'NID1'	0.02	0.02	0.05	0.03	0.03	0.08
4814	'NINJ1'	65.55	72.99	89.33	54.27	154.51	104.54
4815	'NINJ2'	47.67	47.89	37.88	27.01	16.7	66.76
4817	'NIT1'	13.66	15.04	23.89	12.77	37.55	24.7
4818	'NKG7'	7484.5	8188.3	5422	8010.56	8085.89	5675.65
482	'ATP1B2'	0.08	0.27	0.04	0.14	0.12	0.09
4820	'NKTR'	75.03	56.12	29.57	45.08	42.59	50.62
4824	'NKX3-1'	0.58	0.3	1.09	0.27	0.21	0.34
4826	'NNAT'	2.95	1.2	0.67	1.8	1.7	0.56
4828	'NMB'	7.56	16.54	10.78	13.32	16.31	10.16
483	'ATP1B3'	165.41	115.45	149.55	151.19	84.91	198.61
4830	'NME1'	155.91	127.38	285.44	164.36	45.58	155.54
4831	'NME2'	924.43	975.26	1240.9	1045.44	529.62	866.37
4832	'NME3'	22.28	42	32.72	22.48	41.02	44.74
4833	'NME4'	5.87	8.56	13.35	35.93	28.42	17.17
4835	'NQO2'	46.69	59.79	45.42	17.53	27.84	78.99
4836	'NMT1'	56.41	35.07	47.77	37.07	45.13	56.62
4837	'NNMT'	0.13	0.25	0.2	0.14	0	0.12
4838	'NODAL'	0.63	0.72	0.27	0.31	0.98	0.64
4839	'NOP2'	75.97	63.87	56.19	55.57	21.4	65.55
4841	'NONO'	323.71	224.63	307.82	191.71	285.24	294.61
4842	'NOS1'	0.01	0	0	0	0	0
4843	'NOS2'	0	0	0.02	0.04	0.05	0.05
4846	'NOS3'	0.74	1.15	2.27	0.18	1.91	2.71
4848	'CNOT2'	57.08	45.51	40.39	52.28	44.42	49.06
4849	'CNOT3'	70.99	42.68	44.36	34.95	58.72	50.22
4850	'CNOT4'	16.59	12.02	11.13	10.6	13.88	18.76
4851	'NOTCH1'	75.45	29.59	18.9	22	21.66	24.81
4852	'NPY'	0.4	0	0	0	0	0

4853	'NOTCH2'	44.69	16.51	18.99	13.38	21.26	24.08
4854	'NOTCH3'	0	0.01	0	0	0	0
4855	'NOTCH4'	0.09	0.14	0.2	0.18	0.13	0.18
4857	'NOVA1'	0	0.19	0	0.01	0	0.03
4858	'NOVA2'	0.08	0.1	0.07	0	0.4	0.11
486	'FXYD2'	19.27	21.24	18.6	22.9	46.69	11.16
4860	'PNP'	86.68	64.55	164.06	86.06	56.66	138.57
4861	'NPAS1'	0	0.08	0.3	0.66	1.12	1.08
4862	'NPAS2'	0.3	0.64	0.4	2.32	0.77	0.62
4863	'NPAT'	18.54	9.06	8.25	8.39	15.34	13.76
4864	'NPC1'	61.49	22.3	15.86	41.53	33.16	25.62
4867	'NPHP1'	0.09	0	0	0.15	0.08	0.05
4868	'NPHS1'	0	0	0	0.02	0.02	0
4869	'NPM1'	1090.2	862.17	1226.1	1062.9	974.52	912.28
487	'ATP2A1'	1.13	0.73	1.08	0.81	0.35	0.72
4878	'NPPA'	0.99	0.45	0.29	0.56	0.15	0.87
488	'ATP2A2'	114	45.54	55.84	38.34	32.78	66.05
4880	'NPPC'	0.1	0.04	0.11	0	0.12	0
4881	'NPR1'	0	0	0.04	0	0	0.05
4882	'NPR2'	1.91	2.07	1.65	2.09	1.9	1.6
4883	'NPR3'	0	0.03	0.03	0	0	0.09
4884	'NPTX1'	0.25	0.1	0.49	0.13	6.67	2.07
4885	'NPTX2'	0.1	0	0	0	0	0
489	'ATP2A3'	205.04	157.76	168.33	101.56	161.09	174.63
4891	'SLC11A2'	23.54	18.7	14.51	16.17	13.76	17.43
4893	'NRAS'	78.81	46.84	42.94	48.27	33.53	54.08
4897	'NRCAM'	0	0.03	0.04	0.01	0.04	0.04
4898	'NRDC'	92.29	71.56	95.61	56.1	86.57	115.69
4899	'NRF1'	13.64	11.99	12.39	9.67	10.02	12.76
490	'ATP2B1'	17.94	14	8.97	13.48	8.57	15.11
4900	'NRGN'	3.47	4.88	5.81	3.04	9.18	2.71
4901	'NRL'	2.16	0.94	1.07	1.4	0.78	1.41
4902	'NRTN'	0.42	0	0.31	0	0.22	0.24
4904	'YBX1'	547.79	393.3	549.79	373.75	270.94	400.79
4905	'NSF'	14.56	11.43	12.24	9.44	31.43	23.61
4907	'NT5E'	0.73	0.24	0.61	0.45	2.92	2.55
4909	'NTF4'	0	0	0	0	0	0.06
491	'ATP2B2'	0	0.02	0.03	0	0.08	0.08
4913	'NTHL1'	8.13	11.14	31.28	8.02	12.93	23.57
4914	'NTRK1'	0.1	0.35	2.55	0.32	0.92	0.85
4915	'NTRK2'	0.11	0.1	0.31	0.03	0.23	0.88
4917	'NTN3'	0	0	0.05	0	0	0
4920	'ROR2'	0.28	0.24	2.08	0.13	2.75	2.56
4921	'DDR2'	0.88	0.42	0.27	0.56	0.26	0.31
4923	'NTSR1'	0.39	0.23	1.02	0.09	0.24	0.11
492311	'IGIP'	1.07	0.73	2.03	1.71	7.46	2.39
4924	'NUCB1'	298.62	270.55	265.13	169.91	233.77	271.93
4925	'NUCB2'	47.03	30.29	63.08	30.92	41.05	30.39
4926	'NUMA1'	89.53	51.12	66.68	33.29	103.85	69.75
4927	'NUP88'	32.21	25.74	27.69	24.12	19.36	31.31
4928	'NUP98'	68.9	32.9	30.02	32.31	34.6	37.44
4929	'NR4A2'	13.7	15.26	17.01	13.39	3.21	24.14
493	'ATP2B4'	89.59	41.15	47.35	53.26	60.69	65.35
4931	'NVL'	14.89	10.92	11.86	10.08	15.65	13.98

4935	'GPR143'	0.22	0.08	0	0	0	0
493753	'COA5'	10.69	10.64	15.46	10.68	19.67	15.94
4938	'OAS1'	9.11	6.68	48.83	44.62	25.02	181.7
493829	'TRIM72'	0.04	0.09	0.02	0.12	0.03	0.1
493856	'CISD2'	13.64	12.61	15.56	14.1	18.23	16.25
493860	'CCDC73'	0.54	1.21	1.1	1.17	0.6	0.98
493861	'EID3'	8.79	7.69	7.12	8.57	2.97	11.04
493869	'GPX8'	0	0.03	0.03	0	0	0
4939	'OAS2'	33.85	20.47	65.6	65.54	46.77	190.44
493911	'PHOSPHO2	2.24	2.1	2.18	2.55	4.43	2.02
4940	'OAS3'	28.27	8.81	40.67	26.58	11.75	112.36
494115	'RBMXL1'	17.25	11.34	9.72	10.44	12.03	12.27
494143	'CHAC2'	7.38	4.17	13.25	4.39	5.24	9.89
494188	'FBXO47'	0	0	0.08	0	0	0
4942	'OAT'	39.91	32.07	25.85	28.09	26.85	22.72
4943	'TBC1D25'	35.16	27.83	18.12	25.29	26.27	31.47
494470	'RNF165'	1.57	1.03	2.49	0.35	0.78	0.63
494513	'PJVK'	1.24	0.99	0.26	0.98	1.23	0.56
494514	'TYMSOS'	4.65	3.68	8.03	2.94	6.51	3.47
494551	'WEE2'	0	0.03	0.03	0.03	0.03	0.07
4946	'OAZ1'	924.69	919.44	1155.2	827.61	986.03	1026.41
4947	'OAZ2'	39.82	37.38	36.33	31.77	47.59	37.02
4952	'OCRL'	1.01	0.84	0.75	0.34	0.62	0.63
4953	'ODC1'	80.39	60.06	96.01	90.08	34.22	125.48
4956	'ODF1'	0	0	0	0	1.08	0.13
4957	'ODF2'	39.18	25.74	37.94	23.91	26.7	29.26
4958	'OMD'	0.05	0	0.04	0	0	0.05
496	'ATP4B'	0.1	0	0	0.07	0	0
4967	'OGDH'	67.28	41.24	86.41	34.42	47.7	112.79
4968	'OGG1'	20.51	15.65	24.19	9.68	19.66	19.01
4969	'OGN'	0.07	0.03	0.06	0	0.03	0.03
497190	'CLEC18B'	0.22	0.47	0.08	0	0.31	0.3
4974	'OMG'	1.71	1.3	0.81	1.15	0.55	1.64
4976	'OPA1'	31.05	18.53	20.07	18.13	15.21	19.92
497661	'C18orf32	3.59	4.57	3.33	4.89	7.97	6.07
4978	'OPCML'	0	0	0	0	0	0.01
498	'ATP5F1A'	305.66	235.22	359.21	213.55	213.21	283.17
4983	'OPHN1'	4.75	3.76	2.62	3.49	3.81	4.18
4985	'OPRD1'	0.06	0.05	0.05	0.11	0.03	0.09
49854	'ZBTB21'	10.07	5.87	4.24	6.26	6.28	9.11
49855	'SCAPER'	7.29	4.88	5.15	4.12	6.51	7.07
49856	'WRAP73'	23.44	24.74	27.9	17.98	18.74	31.32
49861	'CLDN20'	0.75	0.19	0.09	0.09	0.29	0.11
4987	'OPRL1'	0.19	0.33	0.64	0.14	1.49	0.64
4988	'OPRM1'	0.05	0.06	0.02	0.06	0.02	0.02
4992	'OR1F1'	0.14	0.09	0.04	0.08	0.44	0.05
4993	'OR2C1'	0.1	0	0	0	0	0.09
4995	'OR3A2'	0	0	0	0.03	0.11	0
4998	'ORC1'	20.34	9.99	19.92	8.44	14.17	10.23
4999	'ORC2'	12.1	8.16	11.76	10.11	15.06	15.21
50	'ACO2'	74.95	48.77	65.58	41.47	52.48	67.39
5000	'ORC4'	16.86	12.53	9.32	12.43	15.34	18.25
5001	'ORC5'	15.32	12.58	18.63	15.72	14.07	17.37
5002	'SLC22A18	8.23	10.96	13.31	8.95	16.6	15.93

5003	'SLC22A18	0.21	0.16	0.27	0.05	0.37	0.34
5007	'OSBP'	28.65	22.51	18.25	22.76	27.71	27.42
5008	'OSM'	23.95	20.08	71.68	8.82	7.41	36.07
501	'ALDH7A1'	0	0.04	0.02	0	0.02	0.02
5010	'CLDN11'	0	0	0	0.08	0.04	0
5013	'OTX1'	0.14	0.1	0.03	0.13	0.07	0
5016	'OVGP1'	2.92	2.63	0.77	4.1	1.19	3.84
5017	'OVOL1'	0.34	0.68	0.13	0.12	0.1	0.26
5018	'OXA1L'	126.21	114.23	127.47	100.26	131.54	116.39
5019	'OXCT1'	43.15	25.38	48.53	23.65	25.75	34.81
5020	'OXT'	0	1.42	0.35	0.21	0.72	0.41
5021	'OXTR'	0.06	0.14	0.37	0.09	0.1	0.25
5023	'P2RX1'	2.32	3.11	3.45	0.94	0.32	2.72
5024	'P2RX3'	0.08	0.02	0	0	0.03	0.05
5025	'P2RX4'	107.95	107.24	75.54	82.13	114.11	104.22
5026	'P2RX5'	47.63	22.44	19.61	20.03	10.68	18.64
5027	'P2RX7'	20.81	7.15	4.73	10.19	7.47	8.49
5028	'P2RY1'	0.97	0.47	0.35	0.26	0.11	0.1
5029	'P2RY2'	0.05	0.02	0.29	0.07	0.04	0.05
5030	'P2RY4'	0.43	0	0	0.3	0.07	0.07
5031	'P2RY6'	0	0	0	0	0	0.43
5032	'P2RY11'	13.6	24.48	9.18	15.97	53.37	21.47
5033	'P4HA1'	14.55	16.68	13.13	11.48	139.95	15.84
5034	'P4HB'	559.67	467.92	478.41	341.39	766.53	429.6
503542	'SPRN'	0.2	0.17	0.03	0.03	0.24	0.09
503582	'ARGFX'	0	0.06	0	0.02	0.02	0.04
5036	'PA2G4'	266.4	195.28	381.86	172.82	155.99	267.14
5037	'PEBP1'	168.81	137.3	160.84	143.34	85.03	171.71
503834	'DPRX'	0.31	0.23	0.23	0.64	0	1.33
5042	'PABPC3'	0	0	0	0	0.05	0
5045	'FURIN'	388.33	282.21	237.33	184.33	257.95	405.94
5046	'PCSK6'	0.09	0.11	0.11	0.1	0.32	0.15
5048	'PAFAH1B1	55.48	35.07	38.74	36.29	39.29	50.52
50484	'RRM2B'	15.89	12.77	14.18	10.96	26.46	20.14
50485	'SMARCAL1	9.08	10.46	14.09	8.48	21.8	18.23
50486	'G0S2'	6.91	3.34	5.98	1.34	0.45	3.02
50488	'MINK1'	49.98	41.24	35.24	31.05	83.27	73.37
50489	'CD207'	0.78	0.1	0.16	0	0	0
5049	'PAFAH1B2	18.57	16.19	18.39	14.21	21.09	23.12
5050	'PAFAH1B3	37.68	37.57	46.48	32	33.48	43.12
50506	'DUOX2'	0.02	0.01	0.01	0.01	0	0.03
50509	'COL5A3'	0.16	0.12	0.02	0.53	0	0.26
5051	'PAFAH2'	12.06	12.08	9.92	9.31	9.63	11.85
50511	'SYCP3'	1.86	2.66	1.67	2.65	1.11	1.96
50512	'PODXL2'	1.66	1.21	2.57	1.12	1.39	0.97
50515	'CHST11'	70.19	44.93	57.84	38.78	41.49	64.59
5052	'PRDX1'	401.44	306.15	578.51	248.33	179.23	498.6
5054	'SERPINE1	3.82	3.7	5.67	2.46	8.3	4.92
5055	'SERPINB2	0	0	0.16	0.05	0	0.13
5058	'PAK1'	13.86	10.49	15.63	10.8	18.57	11.48
506	'ATP5F1B'	561.67	420.76	654.21	385.48	320.72	481.86
50615	'IL21R'	19.36	8.78	14.26	11.95	15.72	18.04
50616	'IL22'	0.39	0.3	1.07	0	0	8.56
50617	'ATP6V0A4	0	0	0	0.03	0	0

50618	'ITSN2'	52.07	30.08	22.13	26.04	27.12	37.05
50619	'DEF6'	147.25	151.59	154.47	110.48	123.56	196.21
5062	'PAK2'	50.83	30.61	40.93	27.53	38.08	47.99
50624	'CUZD1'	1.46	2.31	1.86	1.75	2.71	1.03
50626	'CYHR1'	20.07	18.55	18.7	17.83	23.04	25.46
50628	'GEMIN4'	11.13	6.64	11.86	6.75	12.83	10.31
5063	'PAK3'	0.11	0.07	0.04	0.05	0.13	0.15
50632	'CALY'	0	0.17	0.18	0.33	0.14	0.22
50636	'ANO7'	0.08	0.16	0.1	0.05	0.69	0.14
5064	'PALM'	0	0	0.07	0	0	0
50640	'PNPLA8'	17.13	12.12	10.34	11.81	16.47	16.29
50649	'ARHGEF4'	0.08	0.21	0.23	0.3	0.72	0.26
50650	'ARHGEF3'	91.67	48.65	51.1	74.75	61.77	91.78
50651	'SLC45A1'	0.11	0.08	0.16	0.33	0.62	0.47
5066	'PAM'	12.36	16.22	6.98	12.15	48.93	15.73
50674	'NEUROG3'	0.09	0	0	0.31	0	0.25
5069	'PAPPA'	0.08	0.04	0.01	0.01	0.02	0.02
5071	'PRKN'	0.09	0.08	0.09	0.26	0.11	0.24
50717	'DCAF8'	58.33	44.88	35.31	49.08	58.22	57.44
5073	'PARN'	35.31	23.69	36.5	29.74	24.41	36.49
5074	'PAWR'	0.59	0.27	0.48	0.11	0.17	0.52
5076	'PAX2'	0	0.02	0.02	0.14	0	0.03
5079	'PAX5'	0.45	0.17	0.57	0.32	0.18	1.83
5080	'PAX6'	0.23	0.31	0.41	0.22	0.52	0.54
50801	'KCNK4'	0	0.06	0	0	0	0.07
50804	'MYEF2'	7.82	5.55	7.52	7.52	4.18	4.23
50807	'ASAP1'	26.14	13.77	11.46	11.06	15.84	15.36
50808	'AK3'	29.39	24.85	30.3	22.63	38.89	32.19
50809	'HP1BP3'	109.38	68.94	93.84	59.14	101.79	108.85
50810	'HDGFL3'	21.17	13.9	14.73	10.04	9.94	7.8
50813	'COPS7A'	19.73	19.24	29.28	15.58	28.91	28.3
50814	'NSDHL'	22.15	18.8	34.69	15.69	18.55	27.64
5082	'PDCL'	12.08	10.74	11.62	9.93	13.25	11.35
5083	'PAX9'	0.04	0.06	0.06	0.02	0.06	0.04
50832	'TAS2R4'	0.11	0.06	0.07	0.12	0.48	0.25
50836	'TAS2R8'	0	0	0	0	0	0.11
50838	'TAS2R13'	0	0	0.06	0.06	0.07	0.07
50840	'TAS2R14'	1.92	2.8	0.99	3.83	1.67	3.38
50846	'DHH'	0.06	0	0.02	0	0	0.07
50848	'F11R'	6.85	4.99	5.33	6.83	7.42	7.67
50852	'TRAT1'	102.69	128.42	138.8	97.93	114.29	220.36
50853	'VILL'	12.84	9.95	11.45	8.29	9.7	17.41
50855	'PARD6A'	9.64	13.3	24.99	10.06	21.5	24.12
50856	'CLEC4A'	0.4	0.67	0.87	0.68	0.7	0.87
50861	'STMN3'	6.97	7.48	6.27	7.82	25.27	16.57
50862	'RNF141'	5.18	5.79	6.16	6.68	14.43	8.34
50865	'HEBP1'	11.29	13.41	9.27	8.93	12.06	8.04
5087	'PBX1'	0.02	0.01	0.2	0.03	0	0
5089	'PBX2'	24.53	23.83	17.44	16.96	37.67	32.63
509	'ATP5F1C'	250.38	218.95	293.67	194.12	199.25	239.17
5090	'PBX3'	10.63	6.34	10.95	6.83	5.99	7.34
5091	'PC'	2.05	1.02	1.74	0.74	1.13	1.52
5092	'PCBD1'	55.84	82.16	76.34	49.46	97.63	70.29
5093	'PCBP1'	478.33	303.95	440.25	266.47	412.15	444.15

50937	'CDON'	0.23	0.17	0.27	0.07	0.41	0.14
50939	'IMPG2'	0.23	0.12	0.2	0.14	0.24	0.33
5094	'PCBP2'	220.65	160.89	185.64	153.16	207.21	181.13
50940	'PDE11A'	0.02	0.01	0	0	0	0
50943	'FOXP3'	8.58	6.88	5.97	12.55	96.81	50.02
50944	'SHANK1'	0	0	0	0.03	0	0
5095	'PCCA'	5.42	5.54	5.31	3.76	6.12	8.11
5096	'PCCB'	30.85	20.51	30.6	19.67	14.99	24.43
5097	'PCDH1'	0.06	0.01	0.03	0.1	0.21	0.03
5098	'PCDHGC3'	0	0.09	0.34	0	0.04	0.05
5099	'PCDH7'	0	0.03	0	0.02	0	0.02
50999	'TMED5'	49.46	34.23	32.52	33.17	43.45	49.77
51	'ACOX1'	4.56	2.88	4.02	2.77	4.02	5.67
5100	'PCDH8'	0.26	0.41	0.15	0.05	0.27	0.18
51000	'SLC35B3'	9.93	9.1	10.94	6.22	14.46	13.8
51001	'MTERF3'	19.12	16.38	19.03	19.91	17.26	16.31
51002	'TPRKB'	70.56	69.51	97.2	54.59	46.78	72.91
51003	'MED31'	6.26	5.77	6.13	7.39	5.45	7.12
51004	'COQ6'	12.08	9.67	10.84	11.45	11.91	12.56
51005	'AMDHD2'	19.15	18.7	22.19	15.48	39.85	29.97
51006	'SLC35C2'	53.74	42.81	48.33	38.84	42.89	58.32
51008	'ASCC1'	22.99	17.51	27.64	15.2	44.61	27.45
51009	'DERL2'	20.78	20.58	18.12	19.63	18.86	22.15
5101	'PCDH9'	0.21	0.05	0.12	0.06	0.05	0.27
51010	'EXOSC3'	17.19	13.09	22.11	9.53	16.34	13.93
51011	'FAHD2A'	15.93	21.26	23.45	12.84	17.45	20.07
51012	'PRELID3E	51	47.4	50.45	53.17	51.26	59.48
51013	'EXOSC1'	39.62	42.78	88.5	33.33	47.69	61.17
51014	'TMED7'	34.73	19.79	22.69	20.67	33.05	32.79
51015	'ISOC1'	21.98	19.1	19.56	17.31	16.74	17.5
51016	'EMC9'	13.2	15.81	26.92	16.99	16.16	14.82
51018	'RRP15'	9.92	7.66	7.14	6.34	1.69	5.91
51019	'WASHC3'	72.89	80.54	101.04	75.77	124.64	116.6
51020	'HDDC2'	31.25	35.7	58.57	31.72	41.67	46.5
51021	'MRPS16'	25.32	18.39	37.24	24.11	22.42	31.13
51022	'GLRX2'	16.13	16.11	31.14	16.69	18.31	30.58
51023	'MRPS18C'	29.75	30.68	56.01	29.1	36.73	44.66
51024	'FIS1'	128.32	165.41	177.33	190.29	135.54	153.69
51025	'PAM16'	20.65	33.32	47.36	28.37	22.77	37.09
51026	'GOLT1B'	25.08	24.44	22.04	22.74	18.88	25.54
51027	'BOLA1'	8.27	10.55	21.87	10.79	26.81	16.95
51028	'VPS36'	21.41	17.69	19.11	17.25	24.8	29.81
51029	'DESI2'	40.43	27.2	23.58	23.52	23.62	22.7
51030	'TVP23B'	23.7	21.58	18.68	21.08	29.59	23.2
51031	'GLOD4'	45.21	35.41	47.56	43.08	52.17	50.1
51032	'CELA2B'	0	0	0	0	0	0.16
51035	'UBXN1'	215.93	243.88	281.49	262.97	318.83	266.75
51042	'ZNF593'	49.3	60.37	94.99	57.88	26.4	78.64
51043	'ZBTB7B'	43	40.21	40.12	24.88	51.4	62.31
51053	'GMNN'	48.64	35.95	75.54	28.57	37.76	44.83
51056	'LAP3'	54.26	36.08	71.39	63.19	33.55	124.66
51057	'WDPCP'	4.2	3.28	2.17	1.97	1.72	1.84
51058	'ZNF691'	1.3	1.84	2.53	2.26	9.71	3.89
5106	'PCK2'	26.94	14.4	72.7	13.94	23.49	35.23

51060	'TXNDC12'	94.94	92.29	104.8	80.22	100.36	103.36
51061	'TXNDC11'	64.11	52.82	51.5	52.42	51.64	72.66
51062	'ATL1'	0.6	0.66	0.7	1.03	6.07	2.47
51063	'CALHM2'	52.57	43.81	68.66	43.65	90.48	81.14
51065	'RPS27L'	11.26	13.08	20.6	11.34	18.46	21.09
51066	'SSUH2'	0.46	0.49	0.14	0.06	0.65	0.31
51067	'YARS2'	16.93	12.73	17.11	11.67	7.33	14.74
51068	'NMD3'	19.01	17.27	15.68	15.98	24.91	23.26
51069	'MRPL2'	24.44	26.98	41.62	31.24	36.3	36.6
51070	'NOSIP'	83.9	93.06	124.01	91.16	148.27	140.08
51071	'DERA'	26.46	23.24	29.46	12.13	26.91	25.82
51072	'MEMO1'	21.47	20.86	25.49	21.88	18.9	26.61
51073	'MRPL4'	99.46	105.14	139.23	93.79	52.13	112.33
51074	'APIP'	29.87	26.2	34.79	25.49	20.37	29.71
51075	'TMX2'	100.99	68.85	92.62	92.13	65.82	99.05
51076	'CUTC'	31.24	33.23	39.77	33.96	45.53	43.83
51077	'FCF1'	30.64	17.89	23.86	17.47	22.74	27.11
51078	'THAP4'	33.46	38.82	43.79	33.53	71.58	60.65
51079	'NDUFA13'	425.21	483.61	583.51	602.32	312.76	540.57
5108	'PCM1'	33.45	20.54	19.01	17.42	25.42	22.27
51081	'MRPS7'	59.74	47.01	78.88	51.8	37.38	67.82
51082	'POLR1D'	202.71	247.55	214.17	258.83	284.2	233.72
51083	'GAL'	0	0	0.54	0	0	0
51084	'CRYL1'	12.2	20.47	13.47	17.12	24.61	16.07
51087	'YBX2'	0.09	0.8	1.57	0	0.28	0.23
51088	'KLHL5'	17.34	9.41	11	6.86	9.12	12.89
51090	'PLLP'	0.1	0.07	0	0.13	0.52	0.08
51091	'SEPSECS'	6.35	7.32	4.14	4.69	7.13	7.65
51092	'SIDT2'	17.31	14.75	11.52	8.66	27.18	16.23
51093	'RRNAD1'	23.8	19.94	19.03	15.65	26.12	22.75
51094	'ADIPOR1'	111.96	87.38	84.8	83.95	108.54	108.28
51095	'TRNT1'	7.3	5.08	9.36	6.88	10.55	10.94
51096	'UTP18'	30.97	28.23	32.81	26.78	20.6	33.24
51097	'SCCPDH'	24.35	19.64	18.75	19.52	13.65	8.95
51098	'IFT52'	23.5	22.16	23.1	22.23	15.61	21.83
51099	'ABHD5'	14.09	9.32	9.99	10.19	4.89	11.59
5110	'PCMT1'	92.57	73.01	116.24	74.5	84.2	93.71
51100	'SH3GLB1'	42.85	32.64	27.38	31.06	34.84	39.92
51101	'ZC2HC1A'	1.39	0.58	1.16	0.24	1.56	5.19
51102	'MECR'	7.1	7.04	9.48	5.25	4.71	6.4
51103	'NDUFAF1'	9.82	8.49	21.22	6.69	13.05	21.26
51104	'ABHD17B'	16.54	15.05	16.38	14.76	20.61	18.15
51105	'PHF20L1'	37.94	27.14	21.33	25.18	20.25	28.38
51106	'TFB1M'	3.89	3.49	5.83	3.85	6.69	4.35
51107	'APH1A'	167.96	133.88	124.15	132.19	103.85	143.89
51108	'METTL9'	57.88	53.74	58.29	55.17	67.57	61.61
51109	'RDH11'	48.18	41.9	59.49	38.22	47.46	64.25
5111	'PCNA'	503.36	314.64	739.14	241.36	517.29	300.64
51110	'LACTB2'	9.49	6.91	16.7	8.17	12.35	11.91
51111	'KMT5B'	33.26	32.99	16.11	30.87	19.17	28.81
51112	'TRAPPC12	22.13	18.88	27.76	17.87	27.22	32.63
51114	'ZDHHC9'	3.19	2.05	3.01	2.88	3.87	3.31
51115	'RMDN1'	23.01	17.73	34.85	15.5	27.61	36.77
51116	'MRPS2'	56.77	60.06	85.68	54.62	83.73	71.04

51117	'COQ4'	48.22	41.08	44.75	39.79	32.69	53.18
51118	'UTP11'	24.99	22.28	39.53	22.5	15.9	30.74
51119	'SBDS'	67.92	67.82	68.93	74.65	34.94	118.01
51121	'RPL26L1'	52.21	49.54	86.04	57.81	28.67	66.41
51122	'COMMD2'	14.25	12.03	11.71	9.7	11.77	11.43
51123	'ZNF706'	30.98	27.97	39.71	27.28	33.04	37.16
51124	'IER3IP1'	21.78	18.03	20.54	20.14	18.98	20.15
51125	'GOLGA7'	72.58	59.45	48.66	65.58	72.99	69.07
51126	'NAA20'	51.29	49.8	68.01	58.85	40.22	59.93
51127	'TRIM17'	1.34	0.9	0.73	0.61	0.97	0.89
51128	'SAR1B'	12.33	7.94	12.68	9.06	8.18	14.38
51129	'ANGPTL4'	0.08	0.06	0.18	0.06	3.18	0.07
51130	'ASB3'	7.91	13.13	12.68	9.84	15.73	14.7
51131	'PHF11'	49.74	59.93	68.78	79.28	75.65	173.98
51132	'RLIM'	10.68	5.58	4.93	6.69	6.13	9.14
51133	'KCTD3'	4.82	2.89	2.01	1.6	0.71	0.88
51134	'CEP83'	5.28	2.97	4.08	4.15	2.65	3.76
51135	'IRAK4'	25.95	19.97	20.07	19.62	30.54	31.93
51136	'RNFT1'	10.81	10.59	11.07	9.86	13.54	15.81
51138	'COPS4'	27.41	24.31	35.74	20.79	28.86	35.12
51141	'INSIG2'	9.55	7.27	7.96	6.44	36.07	9.55
51142	'CHCHD2'	564.26	633.19	737.66	592.55	490.88	515.03
51143	'DYNC1LI1	41.08	36.98	39.92	36.5	33.38	45.97
51144	'HSD17B12	68.75	44.33	55.57	34.12	24.98	31.6
51147	'ING4'	26.32	26.63	27.11	27.45	53.28	29.93
51148	'CERCAM'	11.79	17.29	4.85	8.97	51.81	3.13
51149	'MRNIP'	1.21	1.55	1.28	1.56	5.39	2.87
51150	'SDF4'	181.17	160.69	164.17	122.49	213.36	214.78
51151	'SLC45A2'	0.08	0.14	0	0.24	0.06	0
51154	'MRTO4'	36.6	25.12	37.08	29.03	8.95	27.03
51155	'JPT1'	104.21	105.93	195.35	104.41	137.11	162.48
51156	'SERPINA1	0	0	0.02	0.02	0.08	0
51157	'ZNF580'	54.27	54.45	47.09	42.54	77.52	54.4
5116	'PCNT'	26.88	11.95	15.44	8.54	12.62	15.94
51160	'VPS28'	123.88	165.37	157.99	147.95	187.01	179.3
51161	'C3orf18'	12.12	14.05	13.53	10.42	45.83	19.68
51162	'EGFL7'	0.34	0.72	3.08	0.48	1.76	0.99
51163	'DBR1'	15.92	14.15	12.86	11.98	14.52	13.8
51164	'DCTN4'	28.31	21.77	17.96	21.03	16.6	27.57
51166	'AADAT'	0.07	0	0	0	0	0
51167	'CYB5R4'	10.08	7.01	7.89	7.99	7.62	10.19
51168	'MYO15A'	0.1	0.02	0.07	0.05	0.18	0.11
51170	'HSD17B11	59.43	57.41	60.01	68.8	79.24	66.77
51171	'HSD17B14	2.09	3.66	1.99	4.81	3.02	3
51172	'NAGPA'	19.79	20.56	14.95	15.06	17.89	24.56
51174	'TUBD1'	8.11	4.89	4.79	3.73	3.94	3.76
51175	'TUBE1'	9.58	7.81	10.51	8.8	9.16	9.7
51176	'LEF1'	26.45	17.41	21.91	26.17	34.12	34.27
51177	'PLEKHO1'	113.88	122.04	120.75	107.63	78.49	129.25
5118	'PCOLCE'	7.4	9.62	7.87	5.51	11.61	10.76
51181	'DCXR'	99.51	119.58	136.34	86.54	110.69	105.48
51182	'HSPA14'	38.97	31.45	39.73	27.22	20.9	35.12
51184	'GPN3'	16.68	12.31	24.55	14.27	14.35	17.61
51185	'CRBN'	25.45	21.8	18.88	25.02	28.4	35.02

51186 'TCEAL9'	0.62	0.13	1.37	0.32	1	1.12
51187 'RSL24D1'	107.5	100.75	121.79	111.04	118.08	102.26
51188 'SS18L2'	30.82	37.03	55.92	45.3	52.27	64.18
5119 'CHMP1A'	92.1	68.5	83.18	71.77	63.65	98.08
51191 'HERC5'	15.1	8.5	13.22	25.05	32.51	64.81
51192 'CKLF'	225.83	229.66	259.55	258.26	206.8	228.06
51193 'ZNF639'	29	24.61	23.37	24.75	17.35	25.04
51194 'IPO11'	4.7	2.9	5.41	3.24	3.21	4.13
51195 'RAPGEFL1	4.4	4.91	2.18	3.36	4.32	4.6
51196 'PLCE1'	0.18	0.25	0.18	0.16	0.12	0.26
51199 'NIN'	41.81	19.19	26.85	17.27	34.23	30.14
51200 'CPA4'	0.05	0	0	0	0.04	0
51201 'ZDHHC2'	39.9	23.83	20.18	21.05	25.88	33.92
51202 'DDX47'	46.52	38.73	40.73	41.58	27.92	43.34
51203 'NUSAP1'	171.94	91.7	182.61	71.31	111.81	83.59
51204 'TACO1'	21.67	22.13	29.51	23.23	24.81	39.18
51205 'ACP6'	14.19	16.77	10.17	12.93	12.89	19.72
51206 'GP6'	0.36	0.18	0.31	0.08	0.28	0.32
51209 'RAB9B'	0.13	0.08	0.17	0.07	0.45	0.29
51218 'GLRX5'	73.51	69.29	116.83	81.38	60.15	80.6
5122 'PCSK1'	0.03	0	0	0.02	0	0
51222 'ZNF219'	4.47	3.79	3.06	5.03	5.56	4.42
51224 'ELOA2'	0.04	0	0	0	0	0
51225 'ABI3'	96.29	77.77	213.19	98.71	152.8	217.72
51226 'COPZ2'	31.55	23.14	20.78	13.22	25.86	17.37
51227 'PIGP'	25.89	28.46	34.23	26	49.7	35.57
51228 'GLTP'	25.48	25.72	31.7	26.9	41.07	42.15
51230 'PHF20'	18.61	11.35	11.6	11.46	17.14	13.92
51231 'VRK3'	40.95	32.17	37.54	36.43	45.04	54
51232 'CRIM1'	16.93	13.85	12	9.44	6.83	9.09
51233 'DRICH1'	0.82	0.22	0.48	0.32	0.95	1.07
51234 'EMC4'	136.45	137.48	149	109.57	102.99	155.7
51236 'HGH1'	21.01	16.56	29.45	12.65	11.33	19.71
51237 'MZB1'	6.04	9	36.52	10.83	18.08	86.02
51239 'ANKRD39'	23.94	31.67	47.72	21.61	20.48	42.48
51241 'COX16'	28.47	31.94	38.42	35.32	26.93	33.34
51244 'CCDC174'	20.44	13.97	11.57	14.52	17.68	18.93
51246 'SHISA5'	240.16	184.81	270.24	233.23	317.43	432.3
51247 'PAIP2'	140.33	134.11	137.31	135.97	201.18	161.37
51248 'PDZD11'	45.12	44.82	67.66	36.32	61.71	66.2
51249 'TMEM69'	30.58	25.89	34.45	21.25	32.85	34.69
5125 'PCSK5'	0.6	0.41	0.27	0.63	0.86	0.34
51250 'MTRES1'	8.24	7.54	11.56	6.96	13.8	12.54
51251 'NT5C3A'	46.22	38.63	33.62	46.35	36.58	69.31
51252 'FAM178B'	0.2	0.07	0.73	0.28	0.21	0.17
51253 'MRPL37'	149.7	106.16	172.77	97.64	98.44	108.34
51255 'RNF181'	130.77	170.69	216.39	146.4	242.74	195.05
51256 'TBC1D7'	27.06	21.79	35.17	20.92	10.15	20.99
51257 'MARCHF2'	34.93	42.75	33.28	31.13	30.11	43.79
51258 'MRPL51'	155.82	131.94	251.05	175.31	111.49	178.99
51259 'TMEM216'	19.58	22.39	21.42	20.48	21.16	21.35
51260 'PBDC1'	43.41	46.67	46.95	47.62	43.38	49.28
51263 'MRPL30'	13.29	10.66	14.93	10.12	14.51	12.05
51264 'MRPL27'	67.91	67.61	113.1	63.21	34.19	73.42

51265	'CDKL3'	0.79	1.45	1.19	1.52	1.16	1.35
51266	'CLEC1B'	0.04	0.14	0.03	0.03	0.06	0.03
51267	'CLEC1A'	0	0	0	0.04	0	0.24
51268	'PIPOX'	0.54	0.42	0.28	0.62	0.78	0.95
5127	'CDK16'	63.16	50.03	26.5	29.4	30.13	45.83
51271	'UBAP1'	58.81	53.65	54.32	45.8	63.47	74.41
51272	'BET1L'	25.25	21.66	22.51	25.19	58.51	39.55
51274	'KLF3'	21.04	17.64	10.82	15.19	18.93	24.46
51276	'ZNF571'	1.15	1.14	0.41	1.34	1.9	1.02
51277	'DNAJC27'	6.08	4.93	2.61	4.08	2.75	5.78
51278	'IER5'	90.56	107.92	74.16	87.71	88.98	124.65
51279	'C1RL'	8.32	9.21	11.52	6.09	21.4	14.77
5128	'CDK17'	50.44	36.76	19.79	46.08	25.05	39.67
51280	'GOLM1'	19.46	14.29	17.21	16.7	21.13	14.99
51281	'ANKMY1'	7.59	6.3	7.22	7.55	11.93	8.74
51282	'SCAND1'	109.44	134.1	137.43	122.63	161.56	166.6
51283	'BFAR'	32.62	20.36	26.73	21.21	27.8	27.38
51284	'TLR7'	0.25	0.05	0.44	0.14	0.12	3.9
51286	'CEND1'	1.93	3.72	5.41	1.29	9.78	3.38
51287	'COA4'	69.34	61.25	110.53	83.99	56.26	100.6
5129	'CDK18'	0.47	0.29	1.22	0.59	1.55	1.69
51290	'ERGIC2'	13.59	9.83	12.44	9.8	12.93	12.24
51291	'GMIP'	76.49	64.15	57.83	42.15	67.18	101.8
51292	'GMPR2'	30.52	31.93	43.15	24.53	51.41	48.36
51293	'CD320'	108.14	100.69	130.24	71.26	63.92	122.34
51294	'PCDH12'	0.99	0.54	0.58	0.55	0.66	0.55
51295	'ECSIT'	30.97	21.75	29.94	31.73	27.73	33.14
51296	'SLC15A3'	0.47	0.36	0.47	2.58	0.37	1.98
51298	'THEG'	0	0	0.07	0	0	0
51299	'NRN1'	0.31	0.48	0.61	0.13	1.13	0.76
513	'ATP5F1D'	243.01	306.31	371.79	274.72	226.94	266.52
5130	'PCYT1A'	29	19.08	19.91	18.83	23.03	29.24
51300	'TIMMDC1'	35.5	32.42	45.13	33.29	36.64	42.09
51301	'GCNT4'	0.59	0.37	0.44	0.89	0.68	1.19
51303	'FKBP11'	175.85	251.33	139.6	259.68	157.17	211.8
51304	'ZDHHC3'	56.12	41.48	45.14	35.1	33.33	48.14
51305	'KCNK9'	0.22	0.08	0.04	0.23	0	0.48
51306	'FAM13B'	30.68	16.48	16.62	17.43	19.5	24.49
51307	'FAM53C'	32.63	28.98	26.35	19.13	32.92	30.22
51308	'REEP2'	0.69	1.24	0.61	0.8	2.22	0.61
51309	'ARMCX1'	0.13	0	0.09	0.04	0.2	0.17
51310	'SLC22A17	0.3	0.25	1.48	0.15	1.1	0.64
51311	'TLR8'	0	0	0.02	0.19	0	0
51312	'SLC25A37	4.78	3.53	7.05	4.35	7.78	5.7
51313	'GASK1B'	0	0	0.04	0.02	0	0
51314	'NME8'	0.34	1.39	0.34	0.48	0.9	0.35
51315	'KRCC1'	23.68	17.55	16.04	17.53	43.52	31.07
51316	'PLAC8'	29.87	54.89	29.55	39.02	200.84	24.04
51317	'PHF21A'	36.64	32.39	22.71	26.97	44.38	42.32
51318	'MRPL35'	25.74	22.06	46.06	20.1	26.48	36.85
51319	'RSRC1'	7.56	5.18	12.05	6.48	5.89	13.57
5132	'PDC'	0.12	0.09	0.04	0.09	0.1	0.05
51320	'MEX3C'	113.11	55.38	38.37	46.9	36.5	37.22
51321	'AMZ2'	102.89	100.43	106.54	95.11	100.26	112.62

51322 'WAC'	174.87	100.36	78.64	101.33	101.7	122.44
51324 'SPG21'	42.24	34.14	49.07	42.86	47.2	56.46
51326 'ARL17A'	20.61	12.53	11.63	12.33	23.88	14.69
51327 'AHSP'	0	0.44	1.91	0	0	0
51329 'ARL6IP4'	125.2	164.87	188.14	157.86	123.35	131.77
5133 'PDCD1'	17.62	16.94	23.55	10.58	33.32	32.43
51330 'TNFRSF12	7.58	10.22	3.55	7.5	6.92	6.19
51332 'SPTBN5'	0.76	0.6	0.31	0.42	0.4	1.35
51333 'ZNF771'	1.78	2.47	2.35	2.03	3	2.59
51334 'PRR16'	0.2	0	0.07	0.07	0.08	0
51335 'NGRN'	34.5	32.98	39.55	36.92	30.47	51.54
51337 'THEM6'	23.04	19.82	24.48	13.74	40.49	24.7
51338 'MS4A4A'	0	0	0	0.56	0	0.12
51339 'DACT1'	0	0	0.29	0.19	0.15	0.43
5134 'PDCD2'	79.76	67.06	84.06	72.29	58.45	87.27
51340 'CRNKL1'	15.35	13.23	11.31	14.44	12.8	13.23
51341 'ZBTB7A'	49.35	26.56	30.48	30.99	74.82	34.56
51343 'FZR1'	41.06	29.44	28.05	24.07	40.27	28.22
51347 'TAOK3'	48.32	37.75	39.88	38.85	31.16	46.39
51348 'KLRF1'	28.75	49.45	17.73	19.48	11.58	9.49
51351 'ZNF117'	0.94	0.75	0.83	0.35	1.07	0.73
5136 'PDE1A'	0.07	0	0	0	0	0
51360 'MBTPS2'	5.17	3.45	3.65	2.43	2.79	3.78
51361 'HOOK1'	0.5	0.34	0.25	0.39	0.51	0.59
51362 'CDC40'	15.78	13.53	12.22	11.85	17.88	16.99
51363 'CHST15'	0.13	0	0.11	0.11	0.14	0.96
51364 'ZMYND10'	2.42	2.2	3.06	1.64	2.21	1.73
51365 'PLA1A'	0	0	0.27	0.06	0.14	0.24
51366 'UBR5'	36.06	22.25	20.84	19.51	37.76	33.88
51367 'POP5'	24.2	25.07	36.17	18.46	18.45	29.65
51368 'TEX264'	65.82	82.61	119.66	70.98	87.48	119.83
5137 'PDE1C'	0.04	0.04	0.04	0	0.01	0
51371 'POMP'	154.66	142.87	167.22	148.28	74.87	139.48
51372 'TMA7'	246.22	348.02	352.88	390.8	215.23	254.64
51373 'MRPS17'	9.96	9.65	17.02	10.52	7.84	12.18
51374 'ATRAID'	123.65	126.15	148.61	115.05	113.81	164.35
51375 'SNX7'	0	0	0.08	0	0	0.19
51377 'UCHL5'	39.46	21.73	40.09	24.72	26.69	32.41
51378 'ANGPT4'	0.08	0	0	0.02	0.02	0
51379 'CRLF3'	31.2	19.77	29.89	20.85	29.62	27.87
5138 'PDE2A'	0.46	0.25	0.39	0.26	0.05	0.86
51380 'CSAD'	6.42	7.82	5.69	6.38	7.29	8.97
51382 'ATP6V1D'	35.81	26.26	43.44	31.94	34.75	37.79
51384 'WNT16'	2.34	3.75	2.35	1.55	2.88	0.91
51385 'ZNF589'	13.14	12.03	9.52	7.77	20.35	14.69
51386 'EIF3L'	340.91	287.64	284.73	194.85	269.89	168.4
51388 'NIP7'	42.92	34.6	39.81	37.11	21.55	39.61
51389 'RWDD1'	15.54	14.88	15.71	18.05	11.8	18.45
5139 'PDE3A'	0.12	0.04	0.03	0.01	0.03	0
51390 'AIG1'	10.37	9.41	8.77	9.3	12	3.15
51393 'TRPV2'	71.08	55.74	76.65	49.61	54.8	97.61
51397 'COMMD10'	13.21	10.08	18.27	9.94	7.82	12.39
51398 'WDR83OS'	294.3	317.88	316.77	263.7	237.08	271.67
51399 'TRAPPC4'	24.68	25.07	39.47	25.05	23.71	26.56

514	'ATP5F1E'	48.5	62.81	67.3	65.55	38.03	50.59
5140	'PDE3B'	80.98	54.66	39.43	46.21	75.12	60.78
51400	'PPME1'	12.95	10.22	21.13	7.76	23.51	19.48
51406	'NOL7'	93.86	82.65	115.89	89.17	82.1	100.05
51409	'HEMK1'	10.17	7.38	9.98	7.35	16.77	12.51
5141	'PDE4A'	42.71	33.78	27.76	23.74	42.96	29.4
51411	'BIN2'	240.27	202.04	271.12	178.22	245.04	339.84
5142	'PDE4B'	38.11	28.86	57.39	24.41	19.39	57.63
51422	'PRKAG2'	12.78	11.39	14.64	16.92	16.15	24.13
51426	'POLK'	15.96	8.3	7.02	9.4	9.4	12.42
51427	'ZNF107'	12.16	8.48	6.07	7.19	11.94	11.33
51428	'DDX41'	72.08	64.36	71.24	45.92	67.63	65.17
51429	'SNX9'	39.82	33.67	19.08	32	42.99	35.26
5143	'PDE4C'	0.44	0.15	0.07	0.14	0.22	0.26
51430	'SUCO'	19.65	14.76	13.59	12.56	12.82	19.52
51433	'ANAPC5'	105.1	89.15	113.64	87.63	88.28	108.48
51434	'ANAPC7'	30.06	23.37	31.55	22.75	15.58	30.42
51435	'SCARA3'	0.05	0.16	0.17	0	0.35	0.05
51439	'FAM8A1'	18.4	18.29	8.86	14.46	30.22	16.93
5144	'PDE4D'	79.53	48.73	41.53	54.32	87.71	67
51440	'HPCAL4'	0.61	0.14	0.57	1.33	0.26	1.24
51441	'YTHDF2'	66.64	57.7	53.4	48.57	64.17	65.58
51442	'VGLL1'	0	0.2	0	0	0	0
51444	'RNF138'	32.53	27.04	28.57	28.41	25.44	38.25
51447	'IP6K2'	42.45	50.29	41.63	46.01	57.77	70.15
51449	'PCYOX1'	13.03	7.25	7.15	5.19	14.14	7.06
5145	'PDE6A'	0.49	0.23	0.19	0.43	0.32	0.75
51450	'PRRX2'	0	0	0.13	0.13	0.14	0
51451	'LCMT1'	45.98	43.05	45.93	45.73	45.18	45.94
51454	'GULP1'	0.04	0	0	0	0	0
51455	'REV1'	16.83	13.85	11.22	12.28	12.42	13.93
5146	'PDE6C'	0	0.03	0	0.03	0.12	0.03
51460	'SFMBT1'	13.73	8.33	8.96	6.94	8.08	11.05
51463	'GPR89B'	23.86	19.47	18.69	21.25	16.31	17.27
51465	'UBE2J1'	69.64	50.13	48.78	42.11	60.51	65.91
51466	'EVL'	355.42	348.63	449.84	298.78	780	522.03
5147	'PDE6D'	41.46	46.66	62.86	35.42	52.92	72.36
51474	'LIMA1'	9.29	8.38	17.04	5.48	11.23	26.09
51477	'ISYNA1'	9.93	11.73	17.1	6.48	13.24	8.56
51478	'HSD17B7'	23.72	23.87	34.66	32.93	47.06	44.01
51479	'ANKFY1'	23.57	14.64	14.94	15.82	16.72	23.52
5148	'PDE6G'	62.82	77.23	62.45	23.91	61.04	19.31
5149	'PDE6H'	0.16	0	0	0	0	0
51490	'SPOUT1'	21.67	17.07	20.31	14.19	14.78	21.61
51491	'NOP16'	41.24	40.66	61.6	46.96	10.99	44.74
51493	'RTCB'	52.75	35.06	63.05	31.88	31.38	55.48
51495	'HACD3'	38.56	24.27	39.35	22.7	27.97	32.16
51496	'CTDSPL2'	24.1	13.19	16.4	11.45	20.42	15.65
51497	'NELFCD'	82.29	78.44	59.21	59.69	60.04	81.23
51499	'TRIAP1'	26.49	24.06	28.45	23.22	43.52	39.17
515	'ATP5PB'	89.89	70.87	110.11	80.18	74.31	92.46
5150	'PDE7A'	85.15	87.04	87.86	53.04	52.57	83.64
51501	'HIKESHI'	37.6	36.25	56.42	26.8	41.12	47.06
51503	'CWC15'	30.83	37.44	46.42	45.35	38.13	45.53

51504	'TRMT112'	258.34	285.25	375.04	366.66	200.92	346.92
51506	'UFC1'	346.61	351.92	339.2	380.82	265.19	342.93
51507	'RTF2'	100.4	91.07	126.31	75.42	89.23	125.82
5151	'PDE8A'	12.28	10.94	8.39	9.6	9.01	9.96
51510	'CHMP5'	26.45	21.46	38.08	30.67	29.89	58.58
51512	'GTSE1'	47.24	17.71	37.14	14.21	14.17	15.03
51513	'ETV7'	5.28	4.15	11.29	9.95	5.1	32.13
51514	'DTL'	18.84	9.82	24.87	8.12	27.69	12.53
51517	'NCKIPSD'	15.87	12.51	17.06	7.96	54.15	11.44
5152	'PDE9A'	10.42	5	3.58	2.44	1.59	3.95
51520	'LARS1'	26.12	14.21	34.71	15.65	25.12	30.06
51522	'TMEM14C'	58.79	59.33	99.18	79.73	109.86	86.47
51523	'CXXC5'	13.26	14.12	15.4	7.13	12.1	13.07
51524	'TMEM138'	30.07	30.9	31.87	25.92	14.86	37.51
51526	'OSER1'	49.46	58.08	36.85	51.03	48.48	58.34
51527	'GSKIP'	15.51	12.26	16.62	14.52	18.16	23.47
51528	'JKAMP'	34.22	27.29	27.42	27.79	35.58	37.09
51529	'ANAPC11'	53.13	62.52	63.73	60.34	49.98	51.24
5153	'PDE1B'	17.48	19.52	9.84	11.44	18.96	22.63
51530	'ZC3HC1'	14.11	15.5	16.72	12.72	14.38	19.28
51531	'TRMO'	26.04	29.1	18.86	28.7	22.17	40.01
51533	'PHF7'	6.21	4.27	6.61	3.5	7.57	5.5
51534	'VTA1'	18.02	15.27	19.84	13.75	21.72	18.71
51535	'PPHLN1'	60.43	45.96	62.01	44.62	53.36	64.74
51537	'MTFP1'	36.89	47.92	66.74	34.16	128.92	44.37
51538	'ZCCHC17'	47.57	47.92	43.88	46.61	47.66	44.11
5154	'PDGFA'	0.39	0	0.21	0.52	0.59	0.52
51540	'SCLY'	13.33	11.45	17.67	8.19	15.88	20.61
51542	'VPS54'	20.19	17.78	11.01	16.16	14.97	15.39
51545	'ZNF581'	22.16	36.24	23.51	35.85	91.4	39.91
51547	'SIRT7'	44.86	49.87	34.34	46.3	49.87	49.79
51548	'SIRT6'	38.17	35.77	35.39	30.87	41.15	41.65
5155	'PDGFB'	0.34	0.11	0.04	0.52	0.19	1.02
51550	'CINP'	32.33	32.78	41.28	41.84	26.97	40.71
51552	'RAB14'	55.09	39.95	35.19	39.63	40.84	45.71
51554	'ACKR4'	0.42	0.26	0.09	0.4	0.41	0.45
51555	'PEX5L'	0.21	0.11	0.14	0.11	0.1	0.6
51557	'LGSN'	0.08	0.06	0.11	0.11	0.16	0.15
51559	'NT5DC3'	1.87	1.06	1.18	1.05	0.69	1.28
5156	'PDGFRA'	0.04	0	0.03	0	0.05	0.24
51560	'RAB6B'	1.21	1.81	1.17	1.58	2.74	1.76
51561	'IL23A'	7.75	16.32	7.11	11.5	17.38	15.95
51562	'MBIP'	24.18	26.13	18.47	24.87	22.13	24.71
51564	'HDAC7'	121.23	97.15	60.09	81.2	61.61	70.61
51566	'ARMCX3'	13.03	8.73	7.28	9.18	25.89	11.94
51567	'TDP2'	48.23	41.56	42.43	41.33	47.07	50.07
51569	'UFM1'	56.55	44.71	30.56	46.08	50.21	45.27
51571	'CYRIB'	111.66	89.9	126.51	74.88	87.01	105.88
51573	'GDE1'	63.26	62.37	52.18	53.47	117.28	127.12
51574	'LARP7'	74.29	50.08	59.85	57.34	43.48	70.04
51575	'ESF1'	12.13	7.85	8.4	8.68	6.13	7.93
5158	'PDE6B'	1.09	1.35	2.81	1.92	1.17	2.65
51582	'AZIN1'	54.12	36.58	40.01	33.9	34.78	57.48
51585	'PCF11'	31.5	20.98	15.22	21.89	14.92	23.14

51586	'MED15'	160.26	109.93	93.71	85.29	186.52	143.8
51588	'PIAS4'	22.66	13.72	17.87	13.9	25.15	22.54
5159	'PDGFRB'	21.83	13.56	11.18	6.07	14.42	7.19
51592	'TRIM33'	34.77	23.35	15.96	20.58	21.98	25.25
51593	'SRRT'	161.13	116.31	128.97	107.18	72.67	132.74
51594	'NBAS'	9.88	6.59	8.73	5.46	10.6	10.52
51596	'CUTA'	259.5	322.64	277.45	360.07	250.81	303.78
51599	'LSR'	6.52	6.82	8.12	16.16	21.03	21.03
516	'ATP5MC1'	152.23	151.94	187.49	136.53	56.19	106.27
5160	'PDHA1'	28.99	27.37	42.21	26.14	25.69	41.66
51601	'LIPT1'	4.19	5.72	3.54	6.06	12.28	8.59
51602	'NOP58'	61.59	43.95	69.83	57.95	35.86	72.84
51603	'EEF1AKNM	13.36	9.02	18.44	11.09	23.06	17.8
51604	'PIGT'	148.26	114.13	117.35	107.05	74.9	112.64
51605	'TRMT6'	17.17	12.12	18.83	11.79	10.27	20.81
51606	'ATP6V1H'	37.49	25.87	29.73	28.4	32.26	32.58
51608	'GET4'	66.84	58.32	45.79	51.16	45.65	54.63
51611	'DPH5'	12.56	15.1	21.22	10.5	14.75	12.98
51614	'ERGIC3'	192.15	202.46	176.19	164.59	239.13	176.69
51616	'TAF9B'	12.71	7.93	11.2	6.55	29.26	15.08
51617	'NSG2'	0	0.04	0	0	0	0.1
51619	'UBE2D4'	5.48	4.9	6.48	5.24	4.26	5.68
5162	'PDHB'	76.97	64.71	87.96	53.6	52.3	80.82
51621	'KLF13'	181.08	73.08	74	81.97	111.99	102.41
51622	'CCZ1'	53.97	46.39	27.48	21.69	20.77	35
51626	'DYNC2LI1	2.75	4.89	4.34	4.31	7.37	5.07
51629	'SLC25A39	122.89	101.59	145.78	84.81	78.04	119.05
5163	'PDK1'	12.71	9.53	8.44	9.5	47.7	10.17
51631	'LUC7L2'	106.81	82.19	72.85	64.72	67.94	62.16
51633	'OTUD6B'	10.76	7.84	6.21	8.11	3.84	7.89
51634	'RBMX2'	21.63	21.01	25.04	20.16	23.66	19.29
51635	'DHRS7'	90.79	89.19	75.59	88.6	92.35	84.61
51637	'RTRAF'	28.67	27.03	34.74	26.47	23.08	29.96
51639	'SF3B6'	150.82	172.08	214.58	155.99	143.08	164.99
5164	'PDK2'	24.78	24.76	29.59	21.08	38.1	32.08
51642	'MRPL48'	29.72	24.73	42.06	23.37	22.63	31.05
51643	'TMBIM4'	33.44	31.04	25.56	40.56	41.61	54.4
51645	'PPIL1'	30.12	22.25	49.03	25.55	18.37	54.84
51646	'YPEL5'	107.52	114.37	64.61	141.81	87.17	163.14
51647	'CIAO2B'	110.76	125.42	171.32	112.71	113.81	149.27
51649	'MRPS23'	4.7	5.37	7.19	4.47	4.6	6.08
5165	'PDK3'	14.79	12.46	15.15	9.95	9.13	10.68
51650	'MRPS33'	5.78	7.08	9.66	6.54	5.69	7.23
51651	'PTRH2'	32.88	26.77	50.27	33.79	34.32	36.26
51652	'CHMP3'	30.09	20.1	20.27	22.61	22.64	28.61
51654	'CDK5RAP1	28.81	27.83	31.8	25.83	22.14	35.1
51655	'RASD1'	3.96	5.73	4.13	4.67	2.04	4.58
51657	'STYXL1'	34.23	33.59	40.76	21.97	48.59	39.64
51659	'GINS2'	23.06	15.56	41.88	18.89	15.58	12.47
5166	'PDK4'	3.1	5.66	1.66	1.41	0.69	0.93
51660	'MPC1'	56.89	50.78	74.53	57.53	40.02	65.16
51661	'FKBP7'	1.31	1.09	1.67	0.58	0.89	1.2
51663	'ZFR'	45.85	25.12	23.28	26.6	32.37	36.06
51665	'ASB1'	12.28	7.62	5.24	7.46	8.15	6.49

51667	'NUB1'	32.91	25.09	30.91	32.62	45.63	53.93
51668	'HSPB11'	129.79	138.66	166.43	86.11	179.21	114.97
51669	'SARAF'	440.76	444.41	382.79	489.45	585.54	588.45
5167	'ENPP1'	0.08	0.12	0.12	0.03	0	0.06
51673	'TPPP3'	0	0	0.35	0.33	0	0.27
51676	'ASB2'	50.99	35.77	43.82	20.94	103.92	28.65
51678	'MPP6'	1.4	1.69	2.03	1.29	4.12	1.7
5168	'ENPP2'	0.67	0.25	0.5	0.29	0.07	0.81
51684	'SUFU'	6.46	5.08	7.12	4.41	10.72	12.54
51686	'OAZ3'	1.77	0.6	2.18	0.69	0.77	1.71
5169	'ENPP3'	0.4	0.31	1.13	0.22	0.38	0.18
51690	'LSM7'	201.29	220.14	290.03	238.84	154.84	176.26
51691	'LSM8'	3.45	3.34	4.37	3.74	5.23	3.87
51692	'CPSF3'	31.44	26.33	43.03	22.9	29.01	34.55
51693	'TRAPPC2L	21.72	22.93	23.16	25.5	20.49	23.81
51696	'HECA'	63.08	55.49	35.1	55.44	49.27	75.58
51699	'VPS29'	91.19	91.42	144.96	75.34	76.86	125.11
517	'ATP5MC2'	952.97	1149.9	1119.7	1021.51	974.01	853.74
5170	'PDPK1'	32.24	14.11	12.82	14.31	19.46	20.69
51700	'CYB5R2'	0.49	0.5	0.71	0.09	0.09	0.84
51701	'NLK'	6.64	5.73	7.08	4.75	6.19	8.28
51703	'ACSL5'	49.24	38.07	42.64	44.39	55.66	66.56
51704	'GPRC5B'	0	0.07	0	0.16	0.07	0.88
51706	'CYB5R1'	19.52	21.07	18.52	19.77	26.77	27.03
51710	'ZNF44'	5.9	6.76	4.03	5.98	7.38	8.76
51714	'SELENOT'	69.05	57.84	65.69	69.72	48.47	89.63
51715	'RAB23'	1.53	0.39	0.99	0.37	1.6	0.52
51719	'CAB39'	157.7	108.06	114.39	122.16	106.91	133.41
5172	'SLC26A4'	0.56	0.33	2.55	0.13	0.66	0.78
51720	'UIMC1'	31.12	33.49	32.13	32.3	32.04	42.16
51725	'FBXO40'	0.3	0.45	0.7	0.18	0.2	0.34
51726	'DNAJB11'	161.1	131.58	162.25	113.77	76.97	157.48
51727	'CMPK1'	125.73	94.71	82.84	100.86	113.83	111.33
51728	'POLR3K'	27.25	21.28	47.88	27.97	13.06	27.12
51729	'WBP11'	80.88	45.6	51.98	44.22	41.93	63.03
51733	'UPB1'	0	0.29	0.15	0.46	0.86	0.66
51734	'MSRB1'	13.4	17.79	28.3	11.35	17.28	31.5
51735	'RAPGEF6'	16.75	9.83	7.19	9.31	12.08	13.61
51738	'GHRL'	0.53	0.67	0.37	0.28	1.06	0.69
5174	'PDZK1'	0.57	0.62	0.37	0.35	0.27	1.14
51741	'WWOX'	17.64	10.4	11.72	6.82	7.2	7.44
51742	'ARID4B'	27.3	20.62	14.42	18.04	22.34	25.82
51744	'CD244'	88.97	78.72	51.98	46.52	74.9	48.62
51747	'LUC7L3'	74.86	59.4	48.29	66.42	102.15	51.11
5175	'PECAM1'	45.65	31.29	34.36	24.18	17.37	36.58
51750	'RTEL1'	16.2	9.09	11.03	7.5	9.61	14.13
51751	'HIGD1B'	0.78	1.04	0.7	0.11	0.36	1.28
51752	'ERAP1'	66.41	40.14	66.66	22.9	96.97	50.14
51754	'TMEM8B'	1.97	4.27	1.59	1.82	3.78	2.23
51755	'CDK12'	31.48	16.46	13.36	14.32	15.51	21.31
51759	'C9orf78'	124.59	86.58	111.43	117.34	69.96	128.41
5176	'SERPINF1	1.7	1.21	0.59	1.57	3.95	3.65
51760	'SYT17'	0	0	0	0.1	0	0
51761	'ATP8A2'	0.15	0.1	0.19	0.1	0.1	0.04

51762	'RAB8B'	65.08	44.36	46.96	39.17	46.81	58.48
51763	'INPP5K'	63.78	56.53	44.12	49.97	65.69	60.68
51765	'STK26'	61.2	41.46	36.3	32.68	34.7	38.15
51768	'TM7SF3'	26.46	17.51	23.56	15.65	32.6	22.26
51773	'RSF1'	17.89	11.29	10.27	10.83	13.55	14.74
51776	'MAP3K20'	10.49	5.56	6.67	4.01	6.06	3.73
51778	'MYOZ2'	0	0	0	0	0	0.09
5178	'PEG3'	0	0	0.01	0.01	0	0
51780	'KDM3B'	40.14	28.31	20.12	19.53	26.52	28.32
518	'ATP5MC3'	65.64	63.55	88.94	68.31	43.88	54.26
51804	'SIX4'	0.68	0.42	0.4	0.38	0.61	0.32
51805	'COQ3'	5.85	5.36	9.48	3.8	4.98	5.39
51807	'TUBA8'	4.6	4.69	3.84	3.51	1.27	3.68
51808	'PHAX'	15.1	12.12	14.65	13.36	18.57	19.71
51809	'GALNT7'	8.66	5.99	8.81	6.51	11.72	12.72
51816	'ADA2'	33.79	28.2	35.41	22.08	65.67	44.3
5184	'PEPD'	26.67	22.85	30.53	23.19	23.94	47.57
5187	'PER1'	35.26	43.29	28.89	28.68	22.19	71.2
5188	'GATB'	8.06	6.9	10.65	6.04	8.91	11.72
5189	'PEX1'	13.45	14.27	7.83	9.46	11.11	14.31
5190	'PEX6'	3.97	4.37	12.52	2.84	7.92	4.77
5191	'PEX7'	2.65	4.26	5.31	3.21	4.41	4.78
5192	'PEX10'	6.65	5.82	5.27	4.79	7.11	8.06
5193	'PEX12'	1.55	2.27	2.12	1.96	3.55	3.24
5194	'PEX13'	5.39	4.72	4.06	6.04	7.11	5.59
5195	'PEX14'	20.96	19.05	27.53	16.7	24.61	33.23
5198	'PFAS'	10.87	5.01	9.22	3.92	2.59	4.47
5199	'CFP'	1.81	0.86	2.05	0.7	0.95	5.13
52	'ACP1'	175.73	143.53	156.66	147.27	111.01	134.29
5201	'PFDN1'	93.74	94.15	119.71	74.78	82.01	112.43
5202	'PFDN2'	97.36	91.79	158.59	103.96	68.37	112.19
5203	'PFDN4'	23.41	27.28	29.97	24.96	23.69	23.59
5204	'PFDN5'	391.75	645.61	519.61	660.57	627.4	553.92
5205	'ATP8B1'	0.12	0.06	0.05	0.07	0.1	0.15
5207	'PFKFB1'	0.56	0.54	0.27	0.39	0.76	0.46
5208	'PFKFB2'	1.57	1	1.35	1.3	2.01	1.59
5209	'PFKFB3'	25.81	22.06	26.85	21.96	85.93	46.29
521	'ATP5ME'	616.27	835.52	803.33	1172.34	459.05	770.36
5210	'PFKFB4'	1.21	2.08	2.36	1.06	57.66	2.72
5211	'PFKL'	96.56	97.17	93.22	54.47	198.8	106.37
5212	'VIT'	0.05	0.08	0	0	0	0
5213	'PFKM'	4.18	3.58	6.77	2.58	8.15	8.67
5214	'PFKP'	137.97	111.31	144.87	62.35	401.05	106.17
5216	'PFN1'	7686.3	6482.2	8257.9	5300.53	3512.87	6087.7
5217	'PFN2'	0.16	0.43	0.06	0.17	1.14	0.75
5218	'CDK14'	0.05	0.04	0.36	0.02	0	1.72
522	'ATP5PF'	142.79	162.72	195.63	122.56	110.07	164.62
5223	'PGAM1'	462.67	393.13	440.96	345.29	967.11	370.13
5224	'PGAM2'	0	0.94	0.16	0.33	0	0
5226	'PGD'	453.02	261.78	320.02	224.26	110.08	284.26
5228	'PGF'	0.15	0.39	0.43	0.1	10.97	0.25
5229	'PGGT1B'	8.8	8.58	5.37	8.79	6.47	10.48
523	'ATP6V1A'	11.74	8.08	10.94	8.06	15.24	15.87
5230	'PGK1'	340.99	362.08	251.56	266.25	862.51	202.4

5236	'PGM1'	55.36	46.45	35.19	37.1	82.48	37
5238	'PGM3'	5.9	4.81	2.6	3.93	6.58	4.81
5239	'PGM5'	0.12	0.1	0.1	0	0	0.06
5241	'PGR'	0	0	0	0	0	0.03
5243	'ABCB1'	16.65	12.34	6.56	16.35	22.2	13.09
5244	'ABCB4'	0.11	0.07	0.03	0.12	0.08	0.1
5245	'PHB'	110.82	100.4	151.52	94.55	62.03	105.62
525	'ATP6V1B1	1.22	0.65	0.8	0	0.06	0.13
5250	'SLC25A3'	251.18	241.49	282.82	216.22	120.34	187.52
5251	'PHEX'	0.15	0.06	0.13	0.11	0.02	0.04
5252	'PHF1'	72.3	80	40.29	69.34	78.68	95.88
5253	'PHF2'	24.42	13.84	13.89	13.22	16.85	18.84
5255	'PHKA1'	0.88	0.64	0.3	0.25	0.3	0.47
5256	'PHKA2'	14.56	8.91	7.24	8.85	8.41	8.69
5257	'PHKB'	8.9	7.2	10.28	8.43	11.74	12.77
526	'ATP6V1B2	80.63	38.28	53.35	53.26	56.48	61.63
5260	'PHKG1'	1.69	0.76	0.94	0.66	0.62	1.05
5261	'PHKG2'	16.07	20.41	21.15	14.73	14.79	19.9
5264	'PHYH'	16.94	15.47	19.1	10.31	26.07	17.31
5265	'SERPINA1	0	0	0.03	0.38	0.06	0.08
5266	'PI3'	0	0	0	0	0	0.35
5269	'SERPINB6	35.67	37.12	30.7	42.17	31.76	19.82
527	'ATP6V0C'	492.66	359.65	355.16	375.99	375.91	445.84
5270	'SERPINE2	11.14	13.69	25.28	5.03	34.16	5.82
5271	'SERPINB8	36.77	24.43	12.34	21.91	14.09	21.09
5272	'SERPINB9	22.68	13.8	10.82	20.43	18.2	38.48
5273	'SERPINB1	0	0	0.31	0	0	0
5274	'SERPINI1	1.15	2.23	2.95	1.42	7.65	4.86
5277	'PIGA'	14.96	15.23	12.09	15.56	10.92	22.07
5279	'PIGC'	34.36	26.05	32.48	27.65	36.11	35.3
528	'ATP6V1C1	15.31	9.13	13.51	8.86	14.85	15.55
5281	'PIGF'	7.91	10.26	18.92	8.56	17.66	16.77
5283	'PIGH'	24.65	25.36	20.75	23.78	28.74	24.74
5284	'PIGR'	0.06	0.02	0	0.02	0	0.03
5286	'PIK3C2A'	10.52	8.14	5.58	5.53	7.82	8.7
5287	'PIK3C2B'	4.1	3.51	3.96	2.62	6.79	4.93
5289	'PIK3C3'	11.64	6.47	5.32	7.26	12.75	10.03
529	'ATP6V1E1	155.63	127.35	147.08	116.75	105.55	156.02
5290	'PIK3CA'	14.25	10.32	10.21	10.37	12.92	13.85
5291	'PIK3CB'	6.92	6.06	6.84	5.49	4.68	6.6
5292	'PIM1'	448.52	306.65	298.81	201.46	226.33	405.22
5293	'PIK3CD'	185.63	90.02	84.93	81.04	125.09	102.74
5294	'PIK3CG'	35.81	17.23	14.81	17.65	27.7	20.77
5295	'PIK3R1'	43.22	32.38	35.23	33.61	42.21	35.78
5296	'PIK3R2'	9.04	10.45	13.76	4.22	19.82	16.74
5297	'PI4KA'	63.91	40.53	42.46	30.65	55.94	62.81
5298	'PI4KB'	59.89	54.86	47.2	46.57	48.28	67.69
53	'ACP2'	23.49	16.35	24.55	17.23	27.75	39.94
5300	'PIN1'	104.65	129.83	152.16	101.3	115.86	141.16
5303	'PIN4'	11.36	17.35	24.14	8.9	15.31	16.76
5305	'PIP4K2A'	137.32	109.59	87.1	110.46	143.94	115.23
5306	'PITPNA'	55.03	40.67	39.17	34.42	38.06	46.32
5307	'PITX1'	0.06	0	0.04	0	0.04	0
5308	'PITX2'	0	0	0.06	0	0	0.07

5309	'PITX3'	0	0.08	0.08	0.21	0	0
5310	'PKD1'	49.72	24.19	16.87	14.49	32.22	22.65
5311	'PKD2'	11.78	8.76	8.48	6.74	7.69	9.94
5313	'PKLR'	0.11	0.08	0.13	0.05	0.17	0.1
5315	'PKM'	2000.4	1645.8	1412.6	1188.42	3071.86	1682.17
5316	'PKNOX1'	4.79	2.88	5.89	2.81	5.96	6.54
5318	'PKP2'	0.06	0.2	0.11	0.1	0.07	0.1
5319	'PLA2G1B'	0	0	0.3	0	0	0.35
5321	'PLA2G4A'	0.72	0.25	0.5	0.25	0.23	0.13
5324	'PLAG1'	0.6	0.26	0.4	0.29	2.03	0.63
5325	'PLAGL1'	1.51	1.09	2.57	0.98	4.23	2.49
5326	'PLAGL2'	17.94	9.78	11.26	9.37	14.64	11.76
5327	'PLAT'	0.19	0.35	0.28	0.2	0.33	1.22
5328	'PLAU'	11.38	4.88	3.56	2.06	1.06	3.93
5329	'PLAUR'	2.3	3.51	6.95	4.93	3.45	6.38
533	'ATP6V0B'	175.03	170.31	178.94	188.39	124.07	195.55
5330	'PLCB2'	50.88	49.56	40.7	35.55	46.84	72.72
5331	'PLCB3'	8.23	6.9	6.69	2.66	10.24	8.72
5332	'PLCB4'	0	0.02	0	0	0	0.01
5333	'PLCD1'	11.7	18.29	14.2	15.32	35.37	26.64
53335	'BCL11A'	0	0	0.1	0.08	0	0.28
53339	'BTBD1'	95.11	70.53	61.06	64.29	52.12	68.6
5334	'PLCL1'	1.13	0.34	0.62	0.43	0.48	1.34
53340	'SPA17'	2.74	1.34	5.14	0.79	1.63	1.97
53342	'IL17D'	0.66	0.62	0.72	0.66	0.33	0.31
53343	'NUDT9'	6.25	5.09	6.82	4.91	5.93	8.04
53344	'CHIC1'	6.99	4.7	3.03	5.05	4.39	6.1
53346	'TM6SF1'	27.13	15.49	27.58	6.81	29.54	9.48
53347	'UBASH3A'	14.36	15.01	27.04	22.66	59.81	40.32
53349	'ZFYVE1'	15.93	12.45	7.69	10.89	18.44	12.44
5335	'PLCG1'	43.72	34.76	38.22	34.11	106.96	54.25
53354	'PANK1'	2.52	2.28	2.81	1	3.45	1.96
53358	'SHC3'	0	0	0.01	0	0	0.02
5336	'PLCG2'	15.31	11.52	9.74	8.01	18.21	14.13
5337	'PLD1'	2.46	2.14	1.7	1	2.61	2.21
53371	'NUP54'	40.42	33.29	32.78	26.92	34.04	33.88
53373	'TPCN1'	5.94	5.62	5.87	3.24	5.31	6.61
5338	'PLD2'	5.84	7.68	4.55	3.55	7.11	7.41
5339	'PLEC'	144.83	55.05	29.99	48.71	47.57	92.91
534	'ATP6V1G2	0.96	1.53	0.32	1.57	1.24	1.21
5340	'PLG'	0.11	0	0.03	0.11	0	0.08
53405	'CLIC5'	20.39	9.62	4.39	11.52	12.94	10.39
53407	'STX18'	28	28.17	25.57	26.73	21.63	27.04
5341	'PLEK'	167.13	102.38	140.49	74.65	85.81	131.99
5342	'PLGLB2'	1.07	0.5	0.88	0.66	0.77	1.72
5343	'PLGLB1'	1.68	1.42	0.25	0.95	2.66	1.57
5345	'SERPINF2	0.47	0.45	0.26	0.51	0.26	0.92
5346	'PLIN1'	0.14	0	0.03	0.03	0.25	0.04
5347	'PLK1'	120.7	65.89	140.86	47.14	14.14	52.07
5348	'FXYD1'	1.51	6.52	3.6	7.87	6.94	7.18
5349	'FXYD3'	0	0	0.27	0	0	0
535	'ATP6V0A1	2.91	1.17	4.61	2.04	3.36	13.18
5350	'PLN'	0.04	0	0	0.03	0	0.04
5351	'PLOD1'	45.1	43.83	28.79	15.56	60.68	22.69

5352	PLOD2	0.04	0	0.13	0	0.28	0
5355	PLP2	567.88	426.23	425.37	675.14	638.62	643.92
5356	PLRG1	24.28	15.29	23.88	16.55	24.21	26.08
5357	PLS1	3.15	1.87	2.55	0.89	2.41	2.44
5358	PLS3	0.28	0.03	0.24	0	0	0.07
5359	PLSCR1	25.19	15.77	39.71	50.36	32.15	96.03
5360	PLTP	1.61	1.1	2.88	0.79	2.92	1.48
5361	PLXNA1	5.79	3.33	2.43	2.19	2.88	5.69
53615	MBD3	29.9	21.15	27.81	16.12	12.83	29.33
53616	ADAM22	0.87	0.78	0.88	0.63	2.49	0.75
5362	PLXNA2	0.63	0.19	0.09	0.28	0.13	0.22
53632	PRKAG3	0	0	0	0.02	0	0
53635	PTOV1	64.59	66.88	51.15	43.98	98.78	70.98
53637	S1PR5	13	13.23	7.05	15.04	13.62	14.86
5364	PLXNB1	4.01	2.77	0.98	1.68	2.59	2.14
5365	PLXNB3	0.04	0.03	0.04	0.08	0.98	0.04
5366	PMAIP1	136.01	138.19	99.41	105.62	33.28	126.4
5367	PMCH	66.88	118.25	60.35	25.38	229.81	85.61
5368	PNOC	0	0	0.7	0.11	0	3.27
537	ATP6AP1	141.49	95.88	89.75	97.9	113.22	135.49
5371	PML	47.9	33.7	40.23	39.7	54.91	74.54
5372	PMM1	36.4	45.8	45.63	37.62	49.61	37.72
5373	PMM2	38.82	37.29	27.21	29.68	20.86	29.92
5376	PMP22	0.08	0.12	0.62	0	0.06	0.07
5378	PMS1	11.76	10.59	11.64	8.25	13.73	12.18
538	ATP7A	4.42	2.88	2.48	2.26	10.83	3.47
53820	RIPPLY3	0.07	0.16	0	0	0.1	0.06
53822	FXYD7	5.03	11.18	9.58	12.94	24.14	10.6
53826	FXYD6	0.08	0	0.25	0.17	0.06	0
53827	FXYD5	1851.7	1961.6	1835.6	1855.05	2020.61	1989.63
53831	GPR84	0.85	0.64	0.7	0.33	0	0.58
53833	IL2ORB	2.06	2.82	1.32	2.44	0.52	2.58
53834	FGFRL1	7.86	6.66	3.57	6.61	5.34	6.03
53836	GPR87	0.1	0.07	0	0	0	0
53838	C11orf24	20.7	16.42	28.19	13.53	26.91	28.8
53840	TRIM34	3.07	3.77	6.6	4.47	9.28	9.35
53841	CDHR5	0.19	0.26	0	0.1	0.08	0.08
53842	CLDN22	0	0.08	0	0	0	0
539	ATP5PO	415.64	446.17	561.47	365.54	312.39	411.09
53904	MYO3A	0	0	0.03	0	0	0
53905	DUOX1	0.06	0	0.02	0	0.09	0.05
53916	RAB4B	59.59	72.02	78.83	56.52	79.21	108.78
53917	RAB24	49.12	79.46	82.28	53.17	137.08	49.73
53918	PELO	47.56	46.86	18.07	30.87	23.21	17.59
53919	SLCO1C1	0	0	0	0	0	0.01
5393	EXOSC9	43.71	41.58	68.87	38.24	45.61	52.26
53938	PPIL3	49.44	53.84	65.65	39.64	74.41	59.5
5394	EXOSC10	87.92	48.98	60.27	48.66	44.91	71.18
53944	CSNK1G1	9.85	6.64	6.86	5.64	9.19	11.13
53947	A4GALT	0	0.05	6.08	0	0.42	0.18
5395	PMS2	25.5	22.21	21.29	20.33	20.19	24.33
5396	PRRX1	0	0.02	0	0	0	0
53981	CPSF2	7.51	4.47	6.43	4.58	4.03	8.85
54	ACP5	18.53	19.88	16.62	21.47	32.66	25.3

540	'ATP7B'	0.04	0.16	0.26	0.12	0.71	0.33
54014	'BRWD1'	16.11	11.41	10.51	11.34	15.57	17.18
54020	'SLC37A1'	62.22	32.37	24.17	16.72	14.15	24.59
54033	'RBM11'	0.31	0.33	0.67	0.98	0.34	1.19
54039	'PCBP3'	0.08	0	1.02	0.14	0.19	0.26
54058	'C21orf58	11.96	8.83	11.11	3.29	16.29	4.49
54059	'YBEY'	34.63	40.52	48.48	47.07	89.96	53.88
54065	'SMIM11A'	14.34	21.84	26.89	22.39	30.52	26.3
54069	'MIS18A'	12.7	8.92	15.21	10.16	8.58	9.07
54084	'TSPEAR'	0	0	0	0	0.05	0
5409	'PNMT'	0	0.38	0.63	0.47	0.13	0.3
54093	'SETD4'	11.7	10.58	7.02	8.33	4.21	8.52
54101	'RIPK4'	0.07	0	0	0.02	0	0.09
54102	'CLIC6'	0.15	0.29	1	0.04	0.61	0.08
54103	'GSAP'	11.52	16.37	9.18	8.35	10.08	12.24
54106	'TLR9'	0.68	0.47	0.83	0.16	1.96	2.63
54107	'POLE3'	117.72	92.97	108.35	94.93	62.08	101.52
54108	'CHRAC1'	60.14	38.36	52.27	45.87	41.52	56.22
5411	'PNN'	85.46	66.61	47.19	58.33	59.05	58.06
54112	'GPR88'	0.04	0.03	0.05	0	0.09	0.1
5412	'UBL3'	32.93	22.89	15.53	34.5	25.48	33.81
5413	'SEPTIN5'	0.07	0	0.4	0	0.35	0.23
5414	'SEPTIN4'	0.42	0.45	0.8	0.23	1.65	1.1
541468	'LURAP1'	0	0.06	0.06	0	0.06	0
54148	'MRPL39'	19.59	13.69	26.04	11.21	25.06	18.27
54149	'C21orf91	22.66	14.44	13.2	16.11	16.72	21.39
541565	'C8orf58'	7.28	9.68	7.08	6.44	9.57	10.24
541578	'EOLA2'	60.86	65.25	47.6	13.03	54.5	52.4
54165	'DCUN1D1'	15.05	13.12	15.54	10.43	18.43	19.72
54187	'NANS'	57.27	47.24	71.43	46.87	55.32	72.41
5420	'PODXL'	0.55	0.38	0.67	0.37	0.9	0.55
54205	'CYCS'	39.35	28.83	47.69	31.36	15.31	40.48
54206	'ERRFI1'	1.37	1.52	1.18	0.96	1.56	1.16
54210	'TREM1'	0	0	0.23	0.08	0	0.38
5422	'POLA1'	12.06	4.99	14.92	4.94	12.02	9.02
54221	'SNTG2'	0.07	0.16	0	0	0.09	0.14
5423	'POLB'	11.07	12.64	14.41	8.05	14.65	14.66
5424	'POLD1'	31.63	18.83	36.16	12.66	26.93	20.16
5425	'POLD2'	91.48	57.1	126.67	53.29	56.21	67.08
5426	'POLE'	48.67	21.69	27.2	12.11	21.68	17.25
5427	'POLE2'	17.89	9.15	19.4	7.81	12.33	10.11
542767	'PCOTH'	0	0.23	0.86	0.43	0.52	0.45
5428	'POLG'	55.11	36.24	34.08	26.71	39.42	45.16
5429	'POLH'	23.91	8.6	14.14	12.45	36.29	21.88
5430	'POLR2A'	79.29	33.27	32.24	20.7	64.94	46.22
5431	'POLR2B'	80.46	54.69	52.49	51.16	45.23	56.59
5432	'POLR2C'	78.63	67.35	74.5	61.54	60.54	68.39
54328	'GPR173'	0	0.02	0.04	0	0.02	0
54329	'GPR85'	0	0	0.03	0	0	0
5433	'POLR2D'	16.07	10.34	15.91	11.9	10.35	13
54331	'GNG2'	211.17	149.01	184.99	138.7	166.06	196.87
54332	'GDAP1'	7.89	4.07	4.23	4.65	1.84	5.82
5434	'POLR2E'	138.92	125.93	160.6	105.06	105.72	127.8
54344	'DPM3'	152.38	202.88	201.01	243.4	167.93	148.73

54345	SOX18	0.15	0.17	0.05	0.05	0.8	0.19
5435	POLR2F	15.96	16.18	20.53	19.4	13.94	17.74
5436	POLR2G	171.85	177.96	184.19	158.3	101.39	143.3
54360	CYTL1	0	0	1.56	0.34	0	0
54361	WNT4	0.07	0.07	0.02	0.09	0.1	0.03
5437	POLR2H	40.14	44.18	60.18	43.09	81.6	47.28
5438	POLR2I	98.03	113.87	164.71	138.62	80.92	143.59
54386	TERF2IP	115.84	93.91	96.9	101.75	96.63	120.45
5439	POLR2J	198.74	216.6	239.58	262.84	152.14	259.34
5440	POLR2K	132.6	121.73	141.02	109.17	51.85	112.12
54407	SLC38A2	315.39	250.88	112.85	173.07	108.49	139.06
5441	POLR2L	187.52	193.97	190.69	186.42	77.17	155.55
54413	NLGN3	3.72	2.46	1.12	1.89	2.02	2.55
54414	SIAE	1.69	1.78	1.87	1.37	1.81	3.04
5442	POLRMT	26.26	18.9	24.15	14.58	19.8	28.48
54429	TAS2R5	0.13	0.2	0	0.19	1.24	0.81
5443	POMC	2.18	3.19	4.85	4.19	4.02	3.09
54431	DNAJC10	6.22	4.54	5.15	4.83	3.29	5.74
54432	YIPF1	23.54	27.33	27.94	22.68	38.83	34.93
54433	GAR1	38.37	29.97	42.91	25.56	19.64	30.81
54434	SSH1	81.53	34.91	18.42	30.38	44.75	30.9
54436	SH3TC1	7.04	7.83	3.14	2.62	3.19	8.46
54437	SEMA5B	0.05	0	0.02	0	0.11	0.02
54438	GFOD1	13.15	8.44	5.23	5.64	5.19	3.6
54439	RBM27	19.2	12.95	10.98	10.15	10.54	14.66
54440	SASH3	389.25	300.93	320.78	267.28	371.85	332.41
54442	KCTD5	66.97	37.35	42.59	35.22	47.66	39.15
54443	ANLN	21.3	10.71	20.3	8.49	6.77	9.02
5445	PON2	16.46	13.45	19.06	22.15	6.88	10.94
54453	RIN2	0.03	0	0	0.04	0	0.03
54454	ATAD2B	6.4	4.32	3.21	4.21	3.32	5.29
54455	FBXO42	12.59	7.44	8.07	8.16	17.23	11.82
54456	MOV10L1	0.06	0.03	0	0	0	0
54457	TAF7L	0.06	0	0.05	0.13	0	0.16
54458	PRR13	297.7	329.02	331.13	302.79	362.37	400.94
5446	PON3	0.13	0	0	0	0	0
54460	MRPS21	57.38	82.71	99.09	93.86	67.16	83.01
54461	FBXW5	125.34	108.17	132.32	77.01	124.99	154.75
54462	CCSER2	65.86	35.64	27.11	55.66	31.46	57.61
54463	RETREG1	3.97	3.16	4.19	6.3	10.98	7.68
54464	XRN1	21.13	9.2	7.29	9.84	14.21	17.46
54465	ETAA1	13.18	13.56	7.66	9.64	9.66	9.03
54466	SPIN2A	0.86	0.09	0	0.17	0.29	0.63
54467	ANKIB1	18.6	11.76	11.59	12.56	19.64	23.77
54468	MIOS	11.54	10.45	7.38	6.52	8.4	10.49
54469	ZFAND6	49.42	57	59.18	53.13	59.37	78.06
5447	POR	50.89	42.69	38.66	36.24	32.2	53.25
54470	ARMCX6	15.86	17.98	15.14	16.3	28.4	18.84
54471	MIEF1	24.52	13.72	13.31	14.33	14.76	16.02
54472	TOLLIP	31.92	17.75	17.07	20.08	24.23	21.75
54475	NLE1	9.87	6.56	9.65	6.93	3.5	5.54
54476	RNF216	33.01	21.04	14.47	22.6	24.39	22.57
54477	PLEKHA5	5.32	5.11	3.84	2.91	6.96	10.03
54478	PIMREG	8.99	5.94	16.38	2.38	2.08	6.3

54480	'CHPF2'	61.26	49.98	33.86	38.07	39.43	51.37
54482	'TRMT13'	13.58	8.24	6.72	8.77	10.82	7.99
54487	'DGCR8'	40.2	25.47	29.14	26.56	74.02	28.77
5449	'POU1F1'	0.29	0.07	0	0.13	0	0
54490	'UGT2B28'	0	0	0.15	0	0	0
54491	'OTULINL'	34.59	23.74	26.51	19.39	23.99	22.47
54492	'NEURL1B'	0.17	0.07	0.13	0.05	0.44	0.21
54494	'C11orf71	5.61	3.84	7.17	5.24	9.88	8.29
54495	'TMX3'	35.69	26.27	21.84	24.63	29.84	29.88
54496	'PRMT7'	12.25	10.79	15.27	8.84	16.8	15.17
54497	'HEATR5B'	19.12	12.63	8.35	12.08	13.86	15.01
54498	'SMOX'	17.09	12.87	10.8	5.05	9.97	12.64
54499	'TMCO1'	40.42	33.05	38.08	36.76	39.45	42.05
545	'ATR'	10.02	6.25	5.69	5.94	3.8	9.45
5450	'POU2AF1'	0.79	0.28	3.46	0.38	0.64	24.53
54502	'RBM47'	0.53	0.08	0.3	0.15	0.07	2.1
54503	'ZDHHC13'	15.09	12.84	20.16	10.94	13.9	16.79
54504	'CPVL'	0.26	1.47	3.26	0.74	2.42	1.08
54505	'DHX29'	16.89	12.48	9.78	11.24	7.53	14.03
54507	'ADAMTSL4	0.25	0.25	0.38	0.27	0.13	0.39
54509	'RHOF'	113.73	74.26	125.63	79.37	114.94	139.69
5451	'POU2F1'	7.33	4.36	3.11	2.67	3.74	4.31
54510	'PCDH18'	0	0	0	0	0	0.04
54512	'EXOSC4'	22.15	24.11	47.74	21.2	23.55	36.37
54514	'DDX4'	0.16	0.24	0.41	0.19	0.43	0.24
54516	'MTRF1L'	27.46	18.93	18.73	18.71	21.13	21.08
54517	'PUS7'	4.52	2.45	3.87	2.65	2.16	3.74
54518	'APBB1IP'	64.27	60.09	76.81	64.7	107.39	102.03
5452	'POU2F2'	11.87	7.29	12.55	7.33	11.4	16.07
54520	'CCDC93'	27.69	13.7	8.72	13.01	16.74	11.01
54521	'WDR44'	14.98	10.15	9.99	7.69	10.42	15.61
54522	'ANKRD16'	2.25	3.22	4.18	3	2.9	2.93
54529	'ASNSD1'	41.45	35.47	34.72	35.11	36.55	40.94
5453	'POU3F1'	1.61	1.65	0.29	1.5	0.14	1.72
54531	'MIER2'	11.1	11.23	10.31	8.08	13.41	14.34
54532	'USP53'	5.07	4.12	2.01	4	7.87	3.62
54534	'MRPL50'	8.83	8.96	10.67	9.3	10.08	12.26
54535	'CCHCR1'	9.89	9.3	15.42	6	28.84	19.16
54536	'EXOC6'	10.42	6.21	6.54	6.99	4.01	7.08
54537	'SHLD2'	47.3	20.84	29.14	34.57	18.31	36.53
54538	'ROBO4'	0	0	0.04	0	0	0
54539	'NDUFB11'	385.2	477.53	481.19	464.18	417.79	442.7
5454	'POU3F2'	0.03	0	0	0	0	0
54540	'FAM193B'	52.89	53.74	34.73	33.46	54.75	61.29
54541	'DDIT4'	127.63	104.89	155.14	70.01	303.44	163.68
54542	'RC3H2'	18.2	12.04	8.36	9.75	14.43	12.1
54543	'TOMM7'	152.1	212.25	179.69	345.89	235.3	189.48
54545	'MTMR12'	15.24	11.09	9.76	11.34	10.39	16.91
54549	'SDK2'	0.78	1.16	0.04	1	11.04	0.01
5455	'POU3F3'	0.03	0	0	0	0	0
54551	'MAGEL2'	0	0	0	0	0.02	0
54552	'GNL3L'	8.52	3.94	4.93	5.42	3.77	5.71
54554	'WDR5B'	1.78	0.81	1.06	1.95	3.04	1.94
54555	'DDX49'	50.9	37.62	42.13	39.45	27.2	45.4

54556	'ING3'	39.95	35.25	24.14	33.39	17.35	39.52
54557	'SGTB'	7.32	5.89	5.59	5.05	9.22	11.26
54558	'SPATA6'	0.24	0.15	0.08	0	0.04	0.1
54566	'EPB41L4E	0.19	0.1	0.28	0.07	0.27	0.19
54567	'DLL4'	0.04	0.03	0	0.05	0.03	0.07
5457	'POU4F1'	0.14	0.17	0.06	0.15	0.77	0.39
54578	'UGT1A6'	0	0	0.31	0	0	0
54583	'EGLN1'	47.89	29.05	27.34	29.11	102.97	41.19
54584	'GNB1L'	1.22	0.98	1.68	0.98	1.37	2.41
54585	'LZTFL1'	4.62	3.42	4.14	7.36	8.41	6.58
54586	'EQTN'	0	0	0	0.1	0	0
54587	'MXRA8'	0.88	0.6	0.37	0.24	1.21	1.02
5459	'POU4F3'	0.15	0.27	0	0.14	0	0.13
54596	'L1TD1'	0.41	0.21	0.15	0.36	0.43	0.46
546	'ATRX'	17.59	10.27	9.38	9.07	14.95	15.56
5460	'POU5F1'	1.59	1.66	1.51	1.04	3.17	1.97
54602	'NDFIP2'	22.35	13.91	9.17	13.17	15	8.21
54606	'DDX56'	43.04	37.41	42.92	38.2	24	45.51
54617	'INO80'	37.22	20.69	17.01	20.5	12.78	24.46
54619	'CCNJ'	7.53	4.83	3.17	5.96	2.17	6.24
5462	'POU5F1B'	0	0.08	0.16	0.45	0.07	0.38
54620	'FBXL19'	14.4	10.47	18.02	8.1	16.79	21.88
54621	'VSIG10'	0.14	0.18	0.55	0.26	0.24	0.31
54622	'ARL15'	4.03	3.49	4.06	2.91	4.35	8.3
54623	'PAF1'	68.92	53.61	73.62	48.62	64.31	76.59
54625	'PARP14'	46.52	24.64	24.26	29.87	26.98	45.7
54626	'HES2'	0	0	0.02	0	0.35	0.1
54627	'MAP10'	0.57	0.33	1.03	0.46	1.28	1.29
54629	'MINDY2'	4.6	4.3	2.51	4.4	9.01	6.36
5463	'POU6F1'	2.73	1.72	1.46	3.62	2.53	4.22
5464	'PPA1'	97.7	80.72	120.61	80.17	78.82	70.25
5465	'PPARA'	9.37	4.62	3.24	3.94	8.73	5.12
54662	'TBC1D13'	19.48	13.26	15.58	12.31	16.81	19.29
54663	'WDR74'	49.46	52.36	55.61	50	27.03	52.32
54664	'TMEM106E	9.55	6.8	7.04	4.54	16.98	9.64
54665	'RSBN1'	12.16	9.31	6.33	9.97	12.39	11.03
5467	'PPARD'	14.6	13.42	12.96	8.37	51.16	22.74
54674	'LRRN3'	13.01	6.06	18.68	13.39	30.08	15
54675	'CRLS1'	29.7	22.66	32.63	19.4	36.8	28.72
54676	'GTPBP2'	44.67	26.48	34.3	27.29	37.55	37.65
54677	'CROT'	6.52	5.69	4.7	3.5	7.19	8.16
5468	'PPARG'	0	0.09	1.06	0.59	0.09	4.56
54680	'ZNHIT6'	9.03	7.77	6.64	8.46	4.78	9.58
54681	'P4HTM'	19.96	25.23	19.81	18.32	37.59	28.09
54682	'MANSC1'	0.15	0.02	0.19	0.05	0.05	0.14
5469	'MED1'	38.23	16.1	14.06	15.14	18.51	20.65
547	'KIF1A'	0.05	0	0.04	0.01	0.01	0
5470	'PPEF2'	0.04	0.15	0.06	0.03	0.54	0.31
54700	'RRN3'	48.1	35.42	27.24	29.96	20.76	33.64
54704	'PDP1'	11.24	8.14	6.68	8.23	11.7	14.07
54707	'GPN2'	13.32	9.98	9.66	8.95	11.6	9.66
54708	'MARCHF5'	18.39	15.82	13.97	15.34	17.92	20.35
5471	'PPAT'	7.25	5.37	6.34	4.42	5.54	6.16
54714	'CNGB3'	0.03	0	0.02	0	0	0

54715	'RBFOX1'	0.12	0.07	0.02	0.08	0	0.15
54716	'SLC6A20'	0.1	0.11	0.03	0.07	0.04	0.16
54726	'OTUD4'	33.44	18.15	16.65	20.67	14.73	24.15
5473	'PPBP'	0	0	0	0	0.18	0
54732	'TMED9'	85.76	77.86	76.7	74.01	92.11	82.72
54733	'SLC35F2'	21.15	16.64	14.48	8.7	5.17	15.15
54737	'MPHOSPH8	19.91	15.1	15.09	19.2	43.18	22.24
54739	'XAF1'	32.2	14.03	41.73	96.05	26.13	247.99
54741	'LEPROT'	38.88	29.27	30.63	41.45	33.82	35.57
54742	'LY6K'	0	0.13	0	0	0	0.09
54749	'EPDR1'	8.41	5.88	12.03	2.45	6.5	3.46
5475	'PPEF1'	0	0	0.04	0	0	0
54751	'FBLIM1'	1.73	0.96	0.57	1.65	1.27	1.75
54752	'FNDC8'	0.12	0.09	0	0.16	0	0.22
54753	'ZNF853'	0.62	1.16	0.69	1.11	2.12	1.21
54756	'IL17RD'	0.32	0.19	0.12	0.36	0.23	0.26
54757	'FAM20A'	0.17	0.05	0.1	0.07	0.2	0.1
54758	'KLHDC4'	35.02	26.29	45.66	34.25	29.97	50.79
5476	'CTSA'	121.59	94.08	122.28	106.46	164.47	185.33
54760	'PCSK4'	1.1	2	1.07	0.98	2.31	1.38
54762	'GRAMD1C'	0.2	0.21	0.14	0.21	0.52	1.03
54764	'ZRANB1'	17.86	14.67	8.34	13.59	13.58	15.67
54765	'TRIM44'	23.38	10.55	13.71	13.14	10.56	19.69
54766	'BTG4'	0.06	0	0	0	0	0
54768	'HYDIN'	0.04	0.06	0.01	0.01	0	0.04
54776	'PPP1R12C	93.24	85.21	80.68	68.24	74.09	99.18
54777	'CFAP46'	0	0.01	0	0	0	0
54778	'RNF111'	17.1	11.95	9.4	12.43	17.55	16.36
5478	'PPIA'	2190.6	2116.5	3205.1	2149.43	1425.15	1896.16
54780	'NSMCE4A'	55.76	53.03	64.03	53.13	26.58	60.44
54784	'ALKBH4'	8.46	7.26	7.99	7.29	15.56	9.81
54785	'BORCS6'	18.16	16.82	21.99	14.96	37.7	29.88
54788	'DNAJB12'	49.95	30.42	30.07	26.3	19.22	37.89
5479	'PPIB'	994.17	1004.2	1097.3	1045.16	872.54	1011.8
54790	'TET2'	18.77	8.41	4.59	5.86	10.89	7.87
54793	'KCTD9'	31.99	20.67	21.07	19.08	21.36	21.11
54795	'TRPM4'	0	0	0	0.03	0	0
54796	'BNC2'	0.03	0.01	0.01	0.11	0.01	0.09
54797	'MED18'	7.3	6.05	12.72	6.99	25.56	15.2
54799	'MBTD1'	13.37	10.28	6.3	7.79	9.83	8.48
5480	'PPIC'	0	0.08	0	0	0	0
54800	'KLHL24'	12.53	8.21	2.61	7.1	10.46	8.07
54801	'HAUS6'	20.54	14.95	14.77	12.83	16.07	16.41
54802	'TRIT1'	11.03	11.22	8.05	10.4	15.01	9.25
54805	'CNNM2'	17.08	13.3	7.29	10.27	11.97	10.45
54806	'AHI1'	14.19	8.23	4.48	6.49	4.1	8
54807	'ZNF586'	17.55	15.58	13.65	9.53	20.07	12.43
54808	'DYM'	22.77	14.58	17.57	13.41	22.15	21.64
54809	'SAMD9'	20.61	10.23	16.16	15.99	32.37	52.3
5481	'PPID'	54.52	37.43	63.6	41.78	35.26	56.15
54810	'GIPC2'	0	0.03	0.08	0.03	0.08	0
54811	'ZNF562'	4.57	2.61	3.1	3	4.39	7.03
54812	'AFTPH'	31.93	24.31	21.96	22.31	33.78	32.02
54813	'KLHL28'	23.45	19.72	10.32	26.07	14.71	27

54814	'QPCTL'	7.49	6.45	7.88	4	10.65	6.19
54815	'GATAD2A'	48.39	32.38	32.85	26.09	26.22	37.94
54816	'ZNF280D'	10.19	9.22	6.48	7.86	8.26	11.91
54819	'ZCCHC10'	13.55	12.93	15.56	12.78	12.93	20.55
54820	'NDE1'	36.8	18.49	24.29	18.26	22.46	23.6
54821	'ERCC6L'	4.91	1.94	5.08	1.71	4.33	2.24
54822	'TRPM7'	37.97	15.22	14.1	19.79	24.62	23.1
54823	'SWT1'	9.5	5.45	2.26	4.36	5.61	8.87
54825	'CDHR2'	0.06	0.09	0.02	0.04	0	0.13
54826	'GIN1'	3.05	1.38	2.56	2.05	3.41	3.3
54828	'BCAS3'	10.35	6.4	7.04	6.3	10.33	14.06
54830	'NUP62CL'	0.73	0.24	0.48	0.29	1.56	0.07
54831	'BEST2'	0	0.05	0.05	0.05	0.11	0.06
54832	'VPS13C'	24.7	10.95	9.56	12.36	16.82	18.25
54834	'GDAP2'	7.18	4.8	4.29	4.79	3.49	5.93
54836	'BSPRY'	5.8	10.29	4.62	2.96	6.72	2.07
54838	'WBP1L'	23.73	16.58	21.36	23.48	34.68	28.03
54839	'LRRC49'	0.03	0.08	0.03	0.11	0.09	0.07
54840	'APTX'	17.04	17.18	21.21	16.52	18.35	21.21
54841	'BIVM'	10.43	11.49	10.39	10.35	21.76	16.18
54842	'MFSD6'	56.88	30.7	30.82	32.02	33.92	42.5
54843	'SYTL2'	64.96	53.79	33.49	90.63	70.49	60
54845	'ESRP1'	0	0	0.03	0	0	0
54847	'SIDT1'	16.57	18.53	10.43	13.7	19.39	19.8
54848	'ARHGEF38	0.07	0	0.02	0.03	0	0.08
54849	'DEF8'	39.39	46.18	29.34	41.75	28.72	46.28
54850	'FBXL12'	25.27	26	21.57	19.37	24.63	30.16
54851	'ANKRD49'	30.87	26.7	18	33.48	28.05	28.26
54852	'PAQR5'	0	0	0.02	0.03	0	0.06
54853	'WDR55'	36.39	30.5	22.62	24.35	28.31	30.37
54854	'FAM83E'	0.07	0.05	0.33	0.19	0	0.15
54855	'TENT5C'	43.42	34.11	41.03	30.29	43.79	61.96
54856	'GON4L'	39.46	23.27	18.3	22.21	20.31	30.85
54857	'GDPD2'	0.23	0.06	0.06	0.05	0	0
54858	'PGPEP1'	9	18.51	13.68	15.03	17.58	16.27
54859	'ELP6'	43.87	35	34.77	38.1	20.31	35.29
548593	'SLX1A'	158.54	166.67	210.59	125.8	153.12	96.37
548596	'CKMT1A'	0	0	0.08	0	0	0
54861	'SNRK'	45.42	38.07	29.67	37.22	44.54	42.08
54862	'CC2D1A'	32.06	27.06	29.17	16.5	31.09	41.55
54863	'TOR4A'	12.6	6.59	7.99	2.81	10.22	5.57
548644	'POLR2J3'	10.83	10.7	34.79	37.4	5.93	48.77
548645	'DNAJC25'	7.32	9.47	5.87	8.64	7.79	8.16
54865	'GPATCH4'	20.54	13.85	24.71	17.09	2.51	23.6
54867	'TMEM214'	85.99	52.99	66.75	42.19	83.23	70.51
54868	'TMEM104'	16.81	10.46	14.25	8.63	10.6	18.68
54869	'EPS8L1'	1.91	2.07	3.46	1.54	2.52	3.7
54870	'QRICH1'	101.69	75.4	57.88	62.16	72.75	83.2
54872	'PIGG'	26.49	19.42	16.14	20.51	23.58	23.93
54874	'FNBP1L'	0.21	0.09	0.12	0.07	0.07	0.3
54875	'CNTLN'	3.1	1.52	1.14	0.75	0.59	0.56
54876	'DCAF16'	11.65	7.87	6.1	10.65	12.49	9.72
54877	'ZCCHC2'	22.39	12.81	11.07	18.9	11.39	32.91
54878	'DPP8'	25.86	17.96	13.69	16.83	13.52	17.14

54879	'ST7L'	2.05	2.16	4.21	2.46	3.94	4.71
54880	'BCOR'	55.22	18.91	15.74	23	29.9	34.79
54881	'TEX10'	22.81	15.41	11	14.93	14.2	12.83
54882	'ANKHD1'	38.99	23.38	19.57	22.33	23.32	23.93
54883	'CWC25'	37.85	31.94	27.57	33.53	19.27	38.23
54884	'RETSAT'	26.99	18.58	19.04	11.91	27.12	29.9
54885	'TBC1D8B'	0.05	0	0.13	0	0.17	0.37
54887	'UHRF1BP1	7.37	4.51	4.2	3.11	3.81	5.64
54888	'NSUN2'	62.67	44	43.82	44.44	30.38	47.15
54890	'ALKBH5'	41.11	37.36	43.53	35.94	69.53	55.33
54891	'INO80D'	13.69	7.87	4.61	6.4	3.71	7.93
54892	'NCAPG2'	75.23	29.89	63.58	26.12	28.33	29.21
54893	'MTMR10'	26.07	19.29	10.86	16.09	9.94	12.61
54894	'RNF43'	12.79	10.82	7.58	7.61	8.17	8.68
54896	'SLC66A1'	18.68	13.4	12.26	13.47	14.46	18.29
54897	'CASZ1'	12.65	7.7	6.24	5.44	3.09	8.12
54899	'PXK'	64.17	31.58	54.86	29.95	52.3	59
549	'AUH'	24.86	13.4	18.98	13.14	23.93	19.71
54900	'LAX1'	24.48	19.26	16.17	23.78	30.71	38.1
54901	'CDKAL1'	12.21	7.27	8.77	6.97	8.07	12.95
54902	'TTC19'	39.52	27.58	27.12	28.24	17.76	30.61
54903	'MKS1'	4.15	3.37	6.25	2.99	5.45	6.24
54904	'NSD3'	56.82	31.86	33.53	31	42	49.55
54906	'TASOR2'	20.58	11.79	6.58	8.35	7.02	11
54908	'SPDL1'	21.14	11.27	20.75	10.91	8.12	10.7
54910	'SEMA4C'	14.76	12.7	9.6	4.07	5.94	7.64
54913	'RPP25'	5.06	3.32	10.77	2.8	4.92	8.63
54914	'FOCAD'	6.14	3.7	6.97	4.17	8.14	8.35
54915	'YTHDF1'	45.49	34.38	31.43	33.87	30.88	36.2
54916	'TMEM260'	9.76	6.39	5.56	6.64	9.96	10.47
54918	'CMTM6'	86.55	63.62	60.35	55.85	46.4	114.33
54919	'DNAAF5'	11.72	6.7	12.44	8.58	7.62	10.12
54920	'DUS2'	10.25	10.58	15.05	8.67	11.19	17.61
54921	'CHTF8'	38.33	21.8	37.66	16.73	51.29	43.04
54922	'RASIP1'	0.08	0.09	0.27	0.22	0.25	0
54923	'LIME1'	157.04	236.58	253.23	186.26	457.61	253.11
54925	'ZSCAN32'	15.66	15.29	9.84	12.75	16.75	17.1
54926	'UBE2R2'	31.99	23.79	29.06	25.7	51.38	32.24
54927	'CHCHD3'	60.41	41.62	79.71	47.64	45.3	67.21
54928	'BPNT2'	33.99	23.04	21.04	20.22	28.66	23.06
54929	'TMEM161A	26.38	25.18	24.99	20.06	29.85	32.81
5493	'PPL'	0.04	0.05	0.01	0.01	0.05	0
54930	'HAUS4'	43.34	39.76	56.07	26.25	34.64	23.7
54931	'TRMT10C'	19.49	15.46	24.58	21.57	19.96	29.93
54932	'EXD3'	2	3.89	2.05	1.86	4.49	1.53
54933	'RHBDL2'	0.07	0	0	0	0	0
54934	'KANSL2'	33.53	36.69	23.71	42.85	19.03	32.26
54935	'DUSP23'	33.16	54	55.18	54.2	46.4	46.22
54936	'ADPRS'	33.3	29.88	31.3	29.51	34.17	27.48
54937	'SOHLH2'	0	0	0.14	0	0	0.06
54938	'SARS2'	34.81	28.58	36.49	21.17	16.03	30.78
54939	'COMMD4'	77.96	84.09	103.06	61.02	99.18	108.16
5494	'PPM1A'	25.14	19.38	12.98	16.41	17.84	20.02
54940	'OCIAD1'	132.13	124.99	133.29	110.26	125.81	157.08

54941	'RNF125'	36.22	26.45	23.92	27.24	20.59	25.25
54942	'ABITRAM'	28.63	26.38	24.86	32.16	23.71	29.52
54943	'DNAJC28'	0.78	0.59	0.22	1.63	3.41	1.53
54946	'SLC41A3'	35.75	32.8	23.83	28.98	32.75	24.14
54947	'LPCAT2'	0.12	0.2	1.29	0.15	0	0.23
54948	'MRPL16'	55.36	59.8	114.87	50.38	53.57	77.92
54949	'SDHAF2'	64.6	61.91	65.73	64.61	74.72	75.94
5495	'PPM1B'	43.6	40.72	29.14	32.96	33.87	37.78
54951	'COMMD8'	32.7	28.13	35.51	30.98	30.71	37.3
54952	'TRNAU1AF	26.94	24.18	33.75	24.45	31.38	30.2
54953	'ODR4'	13	13.2	11.36	9.41	8.73	11.32
54954	'FAM120C'	4.44	4.19	4.07	3.33	3.97	4.01
54955	'C1orf109	11.14	9.91	6.08	8.15	6.09	6.45
54956	'PARP16'	18.78	15.65	14.3	15.64	17.74	11.64
54957	'TXNL4B'	15.33	12.34	13.87	13.22	12.38	14.57
54958	'TMEM160'	74.79	96.04	97.78	91.68	76.5	84.41
5496	'PPM1G'	156.65	126.07	210.69	114.89	101.87	164.66
54960	'GEMIN8'	10.96	7.69	7.44	8.3	10.75	13.6
54961	'SSH3'	10.91	15.51	13.05	7.45	24.77	15.12
54962	'TIPIN'	11.44	6.89	18.98	6.65	7.08	10.1
54963	'UCKL1'	41.94	40.35	38.89	28.38	39.02	42.09
54964	'C1orf56'	2.65	2.95	5.12	1.98	7.58	3.63
54965	'PIGX'	20.91	16.4	23.5	15.69	24.41	21.64
54967	'CT55'	0	0	0.05	0	0	0.05
54968	'TMEM70'	22.1	19.15	23.83	22.33	16.44	27.82
54969	'HPF1'	16.29	17.56	37.8	16.27	33.74	26.25
54970	'TTC12'	3	2.64	2.28	3.91	5.94	4.37
54971	'BANP'	13.04	8.65	10.16	9.54	19.59	15.76
54972	'TMEM132A	0	0.03	0.05	0.2	0.03	0
54973	'INTS11'	71.97	62.81	97.35	49.37	76.04	89.3
54974	'THG1L'	13.2	9.79	10.8	9.73	11.44	12.44
54976	'C20orf27	32.29	36.03	57.43	33.87	26.04	40.67
54977	'SLC25A38	62.83	61.82	55.25	58.45	53.71	62.9
54978	'SLC35F6'	19.83	9.97	13.16	12.1	16.35	20.53
54979	'PLAAT2'	0	1.12	0.92	0.69	0.58	0.64
5498	'PPOX'	13.28	14.42	15.99	10.72	21.21	19.52
54980	'C2orf42'	9.31	9.62	7.95	8.07	16.38	15.15
54981	'NMRK1'	34.88	40.17	38.72	21.44	70.27	94.23
54982	'CLN6'	50.9	24.98	51.37	20.55	26.18	26.55
54984	'PINX1'	13.88	16.41	22.33	12.05	11.82	18.95
54985	'HCFC1R1'	108	131.48	122.02	108.34	226.05	135.2
54986	'ULK4'	3.48	2.62	3.16	1.85	1.04	1.51
54987	'CZIB'	32.99	30.54	63.7	27.82	43.35	45.21
54989	'ZNF770'	16.34	10.69	8.82	11.22	14.44	12.3
5499	'PPP1CA'	448.71	396.44	520.06	337.9	371.01	479.73
54991	'C1orf159	16.27	17.01	15.75	12.81	15.18	16.14
54993	'ZSCAN2'	8.98	10.37	6.77	7.82	10.12	10.57
54994	'GID8'	25.78	19.93	21.98	19.86	25.25	21.44
54995	'OXSM'	9.02	6.98	6.03	4.34	21.59	7.39
54996	'MTARC2'	0.16	0.06	0.35	0	0	0.14
54997	'TESC'	68.57	98.03	125.65	72.24	47.98	89.79
54998	'AURKAIP1	172.47	197.62	249.9	177.24	174.1	230.93
550	'AUP1'	251.38	223.62	216.97	236.79	158.78	257.92
5500	'PPP1CB'	59.97	46.94	53.12	35.76	60.39	57.85

55001 'TTC22'	20.15	11.89	11.83	10.84	12.92	21.18
55002 'TMCO3'	25.78	18.58	15.07	16.63	27.07	17.58
55003 'PAK1IP1'	20.93	16.2	28.76	16.32	14.84	23
55004 'LAMTOR1'	115.33	126.16	148.95	120.89	123.77	170.4
55005 'RMND1'	10.04	11.46	11.9	8.46	20.3	14.28
55006 'TRMT61B'	12.31	11.96	10.79	12.34	10.68	10.83
55007 'FAM118A'	17.45	12.47	37.79	55.61	96.71	23.99
55008 'HERC6'	10.52	7.03	10.72	25.37	9.42	50.52
55009 'FAM174C'	105.45	106.36	125.89	122.7	84.39	116.96
5501 'PPP1CC'	145.61	112.34	147.63	127.27	149.97	152.47
55010 'PARPBP'	13.94	8.62	13.54	5.57	8.16	9.43
55011 'PIH1D1'	98.08	97.73	123.09	90.21	163.09	102.9
55012 'PPP2R3C'	62.42	51.54	45.74	49.34	38.36	50.4
55013 'MCUB'	40.78	44.37	63.16	31.24	46.08	52.84
55014 'STX17'	7.55	6.13	7.81	5.27	10.29	9.66
55015 'PRPF39'	24.8	19.79	14.25	21.13	21.27	21.38
55016 'MARCHF1'	1.17	0.64	0.7	0.71	1.48	1.22
55017 'C14orf11	23.06	22.53	40.19	25.06	48.89	48.32
55020 'TTC38'	34.95	34.86	30.99	20.15	37.39	28.98
55023 'PHIP'	28.19	14.02	11.97	13.3	12.43	14.77
55024 'BANK1'	1.56	0.41	2.08	0.93	0.33	3.88
55026 'TMEM255A	1.31	0.64	0.72	3.65	2.63	2.63
55027 'HEATR3'	5.62	4.57	5.4	5.33	5.7	5.57
55028 'C17orf80	8.1	6.17	5.47	4.24	11.92	7.21
55030 'FBXO34'	16.68	12.66	12.7	14.33	22.79	16.02
55031 'USP47'	22.35	18.52	15.02	15.42	17.08	20.14
55032 'SLC35A5'	11.27	5.65	8.26	7.82	12.08	11.32
55033 'FKBP14'	2.54	2.27	1.3	1.4	2.36	2.73
55034 'MOCOS'	0.14	0.09	0.1	0.06	0.06	0.07
55035 'NOL8'	27.97	18.62	18.57	19.45	19.52	27.25
55036 'CCDC40'	0.05	0.03	0	0.15	0	0.06
55037 'PTCD3'	16.38	11.58	12.89	12.12	11.44	14.32
55038 'CDCA4'	33.89	27.25	47.5	26.64	24.48	40.22
55039 'TRMT12'	5.32	3.9	6.49	4.46	4.35	10.03
5504 'PPP1R2'	64.47	44.35	40.55	50.66	44.83	62.44
55040 'EPN3'	0	0	0	0	0.05	0
55041 'PLEKHB2'	53	33.07	50.6	35.94	43.64	54.85
55048 'VPS37C'	6.39	4.59	4.51	5.06	8.08	5.21
55049 'REX1BD'	90.16	98.69	90.29	79.54	79.77	82.55
55051 'NRDE2'	7.49	5.32	4.33	5.81	3.68	6.17
55052 'MRPL20'	112.41	119.9	187.33	124.42	76.64	165.38
55054 'ATG16L1'	34.67	37.1	22.4	27.16	22.54	39.27
55055 'ZWILCH'	16.37	11	22.54	8.94	8.79	12.11
55057 'CRYBG2'	0.31	0.16	0.32	0.2	0.26	0.56
55061 'SUSD4'	0.23	0.1	0.61	0.46	0.11	0.33
55062 'WIPI1'	64.04	40.73	42.75	34.64	32.06	53.28
55063 'ZCWPW1'	6.88	3.68	3.89	3.64	5.36	5.22
550631 'CCDC157'	8.19	5.18	2.63	6.68	3.77	4.66
55064 'SPATA6L'	0.39	0.42	0.12	0.49	0.56	0.73
550643 'NBDY'	20.1	21.34	19.02	24.63	18	20.05
55065 'SLC52A1'	0	0	0.1	0.19	0.47	0.73
55066 'PDPR'	46.7	20.86	8.88	15.18	16.13	16.86
55068 'ENOX1'	6.06	3.56	2.6	2.66	3	4.59
55069 'TMEM248'	74.27	52.77	53.78	52.15	46.89	73.34

55070	'DET1'	1.88	1.73	2.56	1.29	3.06	2.83
55071	'C9orf40'	7.66	3.58	8.77	4.43	6.38	5.33
55072	'RNF31'	37.36	31.52	36.12	27.9	28.63	55.94
55074	'OXR1'	10.92	7.74	7.89	5.73	15.31	11.21
55075	'UACA'	0.23	0.38	0.26	0.08	0.11	0.16
55076	'TMEM45A'	0.11	0.2	0.16	0.23	2.19	0.19
55080	'TAPBPL'	57.71	48.15	40.16	45.88	85.2	72.28
55081	'IFT57'	8.66	8.2	8.82	12.06	4.34	12
55082	'ARGLU1'	66.64	52.12	46.92	54.44	56.04	56.22
55083	'KIF26B'	0.06	0.01	0.01	0	0.02	0.02
55084	'SOBP'	0.17	0.05	0.27	0.03	0.04	0.42
55086	'RADX'	4.03	3.43	3.46	2.52	4.73	3.67
55088	'CCDC186'	17.52	9.9	5.24	10.01	8.76	13.82
55089	'SLC38A4'	0	0	0	0	0	0.03
5509	'PPP1R3D'	5.11	3.74	4.05	3.06	5.52	5.5
55090	'MED9'	10.63	10.44	8.51	11.84	13.83	10.23
55092	'TMEM51'	0	0	0.27	0.16	0.06	0.07
55093	'NTAQ1'	9.68	9.47	14.84	10.88	7.84	14.14
55094	'GPATCH1'	10.95	7.2	6.85	5.2	9.55	8.96
55095	'SAMD4B'	34.06	22.51	18.28	17.75	29.58	29.38
55096	'EBLN2'	4.98	2.52	1.24	2.51	3.82	1.6
5510	'PPP1R7'	90.27	93.39	124.59	87.56	92.76	110.47
55100	'WDR70'	9.74	9.35	17.3	10.19	15.19	18.85
55101	'DMAC2'	79.4	71.15	64.26	59.4	53.03	67.54
55102	'ATG2B'	14.11	7.53	5.01	7.36	6.61	8.13
55103	'RALGPS2'	0.51	0.3	0.73	0.38	0.62	2.39
55105	'GPATCH2'	10.11	6.06	5.58	8.41	4.8	7.66
55106	'SLFN12'	15.79	8.46	7.55	5.54	5.48	9.2
55107	'ANO1'	0.06	0	0.06	0	0.02	0.02
55108	'BSDC1'	42.82	22.19	20.51	21.16	28.4	32.18
55109	'AGGF1'	21.24	14.72	15.77	12.45	23.22	16.8
5511	'PPP1R8'	58.85	46.66	56.84	49.5	50.81	58.3
55110	'MAGOHB'	12.84	7.74	14.15	6.86	6.26	10.35
55111	'PLEKHJ1'	58.69	56.41	78.35	67.66	54.89	82.42
55112	'DYNC2I1'	7.25	6.94	6.01	5.09	15.71	8.59
55113	'XKR8'	14.36	16.87	12.32	11.31	17.56	14.66
55114	'ARHGAP17	36.15	25.48	30.03	20.32	22.05	36.54
55116	'TMEM39B'	29.53	23.52	31.61	23.92	34.15	24.78
55118	'CRTAC1'	0.05	0.04	0.04	0.03	0.15	0.13
55119	'PRPF38B'	105.96	44.33	34.36	58.85	29.26	62.36
55120	'FANCL'	4.26	4.08	7.9	4.68	9.27	5.47
55122	'AKIRIN2'	107.12	100.19	104.24	81.19	98	118.47
55124	'PIWIL2'	0.1	0.09	0.06	0.14	0.14	0.17
55125	'CEP192'	15.77	9.2	9.52	8.47	10.05	11.15
55127	'HEATR1'	17.62	7.78	7.3	7.41	5.09	8.54
55128	'TRIM68'	7.52	7.27	5.44	6.4	11.22	8.42
55129	'ANO10'	12.92	10.47	20.25	7.63	12.24	16.73
55131	'RBM28'	11.08	6.54	6.26	7.06	5.15	6.5
55132	'LARP1B'	17.66	14.78	13.45	10.91	12.2	14.24
55133	'SRBD1'	7.76	7.8	11.43	7.95	11.97	12.99
55135	'WRAP53'	37.39	28.01	34.92	24.48	24.32	28.01
55137	'FIGN'	0	0	0.01	0	0	0.02
55138	'FAM90A1'	0.06	0.05	0	0.05	0.13	0.39
55139	'ANKZF1'	26.58	32.58	25.15	28.04	144.17	30.64

5514	PPP1R10	42.06	23.9	24.79	20.47	19.93	33.61
55140	ELP3	26.03	21.23	34.46	19.68	38.22	38.18
55142	HAUS2	21.7	15.44	15.85	15.13	11.31	12.68
55143	CDCA8	64.94	30.74	60.53	22.63	17.13	21.33
55144	LRRC8D	21.11	16.85	21.02	16.41	16.69	21.67
55145	THAP1	25.76	22.11	22.88	20.06	20.51	22.13
55146	ZDHHC4	30.32	31.74	44.18	32.32	44.84	37.64
55147	RBM23	59.75	42.43	36.84	36	29.18	48.06
55148	UBR7	41.83	25.85	34.66	20.76	40.22	29.03
55149	MTPAP	8.05	8.14	5.17	6.29	3.06	6.9
5515	PPP2CA	112.51	92.18	110	79.9	69.28	119.39
55150	C19orf73	0.98	1.11	1.45	1.89	1.33	2.57
55151	TMEM38B	5.74	3.92	4.86	3.8	5.64	4.49
55152	DALRD3	20	24	27.23	19.97	30.89	26.43
55153	SDAD1	32.61	25	30.32	26.18	25.68	39.63
55154	MST01	28.26	20.61	19.8	15.41	11.48	21.1
55156	ARMC1	19.92	14.07	20.41	13.94	17.87	15.1
55157	DARS2	8.57	4.63	13.59	3.31	8.98	8.92
55159	RFWD3	38.14	22.12	21.93	17.33	20.52	16.01
5516	PPP2CB	24.24	15.98	23.94	19.38	26.63	32.53
55160	ARHGEF10	0	0.01	0	0	0	0
55161	TMEM33	20.47	11.9	16.91	14.17	10.87	22.99
55163	PNPO	4.78	3.02	9.39	2.97	8.26	12.6
55164	SHQ1	10.71	8.62	11.47	7.93	9.45	9.33
55165	CEP55	39.47	22.1	62.61	16.23	17.67	24.61
55166	CENPQ	10.67	6.81	15.37	5.99	14.17	8.62
55167	MSL2	69.88	50.34	36.43	59.87	53.14	60.24
55168	MRPS18A	62.77	45.36	77.23	50.35	48.44	77.65
55170	PRMT6	12.31	8.88	12.97	11.45	8.73	12.73
55171	TBCCD1	11.58	7.3	7.14	8.34	7.26	6.09
55172	DNAAF2	10.01	10.28	10.02	12.54	11.53	15.39
55173	MRPS10	34.96	23.11	41.22	25.56	26.04	38.11
55174	INTS10	55.99	43.7	50.51	39.69	32.35	52.29
55175	KLHL11	6.58	5.34	2.56	4.48	3.24	4.31
55176	SEC61A2	21.37	21.55	9.34	11.56	8.83	17.51
55177	RMDN3	17.58	14.22	16.58	13.08	9.78	19.83
55178	MRM3	18.03	18.67	20.82	21.47	14.95	16.84
55179	FAIM	19.53	13.78	13.16	9.85	5.44	11.29
5518	PPP2R1A	71.13	55.67	70.02	50.01	59.1	62.07
55180	LINS1	11.24	6.31	6.08	7.99	8.85	13
55181	SMG8	12.64	8.19	7.68	10.64	12.98	11.99
55182	RNF220	118.33	94.38	72.97	105.37	59.9	78.12
55183	RIF1	18.98	8.57	9.76	9.03	8.91	10.4
55184	DZANK1	1.35	1.64	1.09	1.34	2.38	1.47
55186	SLC25A36	34.23	29.99	17.72	23.94	39.1	24.78
55187	VPS13D	13.41	5.14	4.66	4.88	5.93	8
55188	RIC8B	7.36	6.42	4.2	6.44	7.22	8.01
5519	PPP2R1B	17.74	8.97	12.34	9.8	9.6	14.19
55190	NUDT11	0.78	0.84	0.54	0.12	0.56	0.19
55191	NADSYN1	49.91	55.32	41.58	40.2	77.42	56.02
55192	DNAJC17	8.51	8.81	16.32	8.75	7.8	13.55
55193	PBRM1	33.87	15.1	15.28	13.8	12.49	16.73
55194	EVA1B	30.47	55.92	46.89	30.12	84.3	64.68
55195	CCDC198	0	0	0.11	0	0	0

55196	'RESF1'	65.55	38.04	33.69	45.21	71.7	105.58
55197	'RPRD1A'	9.64	5.94	9.95	6.46	10.3	10.98
55198	'APPL2'	34.67	33.46	16.01	32.45	36.67	30.75
55199	'FAM86C1F	3.4	4.69	9.19	3.48	2.11	8.13
552	'AVPR1A'	0	0	0	0	0	0.02
5520	'PPP2R2A'	40.62	34.15	34.68	36.87	37.76	46.47
55200	'PLEKHG6'	0.09	0.03	0	0	0.07	0.08
55201	'MAP1S'	27.07	18.42	20.62	13.35	32.28	28.54
55204	'GOLPH3L'	4.64	3.34	6.28	3.67	13.67	7.84
55205	'ZNF532'	3.89	2.36	0.85	3.73	0.87	1.23
55206	'SBNO1'	16.41	9.31	7.95	8.98	9.96	10.62
55207	'ARL8B'	91.11	42.25	47.51	54.63	53.61	64.41
55208	'DCUN1D2'	13.72	10.93	6.97	8.48	10.4	8.29
55209	'SETD5'	47.37	26.25	19.38	22.61	31.91	29.96
5521	'PPP2R2B'	22.49	15.69	16.15	22.66	14.79	16.31
55210	'ATAD3A'	42.94	24.94	41.48	21.82	13.27	32.44
55211	'DPPA4'	0.16	0.11	0.18	0	0	0
55212	'BBS7'	9.26	5.94	7.95	5.5	9.34	9.58
55213	'RCBTB1'	13.22	10.17	9.51	9.02	9.61	10.94
55215	'FANCI'	49.46	29.96	64.53	21.53	33.57	30.5
55216	'NKAPD1'	12.39	10.21	9.51	12.54	14.93	13.6
55217	'TMLHE'	4.52	4.16	5.06	2.6	6.81	5.55
55218	'EXD2'	3.91	3.32	2.49	2.41	3.59	2.98
55219	'MACO1'	22.18	16.09	14.8	16.26	19.94	19.89
5522	'PPP2R2C'	0	0	0	0.04	0.05	0
55220	'KLHDC8A'	0	0	0.14	0	0	0
55222	'LRRC20'	2.97	2.35	10.39	1.66	7.83	5.62
55223	'TRIM62'	16.47	15.38	8.43	9.62	10.77	17.11
55224	'ETNK2'	0.34	0.53	0.15	0.82	0.33	0.33
55225	'RAVER2'	3.22	1.36	0.68	1.01	0.8	0.88
55226	'NAT10'	24.32	14.41	22.81	17.28	26.78	21.59
55227	'LRRC1'	2.58	1.33	1.61	2.22	2.85	2.96
55228	'PNMA8A'	0.11	0.13	0	0	0	0.03
55229	'PANK4'	22.27	15.74	18.35	19.17	23.1	22.55
5523	'PPP2R3A'	0.21	0.26	0.28	0.35	0.34	0.31
55230	'USP40'	4.62	4.58	4.85	4.66	3.25	8.59
55231	'CCDC87'	0	0	0.03	0.03	0.07	0.12
55233	'MOB1A'	96	67.32	83.48	53.42	80.03	88.09
55234	'SMU1'	26.84	21.05	30.98	22.45	24.85	35.63
55236	'UBA6'	12.56	8.48	7.29	7.17	9.48	11.66
55238	'SLC38A7'	15.89	9.2	9.13	8.48	8.33	15.92
55239	'OGFOD1'	26.8	15.02	26.43	16.85	13.9	27.54
5524	'PTPA'	95.69	68.75	93.59	48.41	49.2	93.19
55240	'STEAP3'	0.36	0.22	0.88	0.14	0.18	0.2
55244	'SLC47A1'	0	0.03	0.03	0	0	0.24
55245	'UQCC1'	13.14	11.4	19.01	9.89	22.46	17.72
55246	'CCDC25'	16.11	17.32	21.35	15.88	22.17	23.8
55247	'NEIL3'	11.1	4.54	10.52	4.17	11.29	5.01
55248	'PACC1'	16.27	13.79	16.3	14.23	8.51	17.82
55249	'YY1AP1'	123.57	99.78	83.53	81.18	97.66	107.06
5525	'PPP2R5A'	68.67	69.91	75.61	58.59	67.8	85.98
55250	'ELP2'	6.07	4.35	5.02	4.33	7.1	5.93
55251	'PCMTD2'	20.83	18.34	12.64	18.38	31.28	21.42
55252	'ASXL2'	17.87	5.82	6.15	6.72	10.69	9.69

55253	'TYW1'	17.84	12.59	12.78	13.09	9.77	15.82
55254	'TMEM39A'	27.88	22.14	14.44	16.48	28.63	18.31
55255	'WDR41'	18.66	11.79	14.79	8.81	15.05	9.12
55256	'ADI1'	30.26	21.41	35.13	30.07	21.43	28.94
55257	'MRGBP'	24.84	24.88	24.72	23.33	30.1	21.34
55258	'THNSL2'	0.13	0.07	0.27	0.3	0.54	0.35
55259	'CFAP94'	0.17	0.28	0.05	0.18	0.1	0.15
5526	'PPP2R5B'	13.24	15.04	15.06	9.64	26.67	24.81
55260	'TMEM143'	6.66	7.83	6.63	4.18	14.04	9.07
55262	'MAP11'	24.79	23.43	18.62	16.65	15.3	29.16
55266	'TMEM19'	9.97	6.24	7.25	7.1	4.89	7.28
55268	'ECHDC2'	27.76	27.75	10.57	14.56	20.97	24.84
55269	'PSPC1'	94.05	69.96	65.6	63.69	52.89	63.37
5527	'PPP2R5C'	209.31	162.23	176.28	201.62	205.29	215.45
55270	'NUDT15'	42.44	35.39	33.37	26.37	19.42	32.17
55272	'IMP3'	78.68	70.05	112.17	81.64	117.53	88.6
55274	'PHF10'	32.59	25.46	34.07	21.73	36.9	27.4
55275	'VPS53'	11.25	5.18	6.85	5.82	6.73	8.5
55276	'PGM2'	18.62	11.38	21.78	10.42	16.42	17.34
55277	'FGGY'	4.61	3.86	4.39	2.58	5.34	2.83
55278	'QRSL1'	9.55	7.17	7.03	7.17	4.02	8.36
55279	'ZNF654'	13.18	7.24	5.3	8.17	20.57	9.23
5528	'PPP2R5D'	60.46	41.21	51.7	31.4	44.29	52.79
55280	'CWF19L1'	21.49	26.28	20.17	22.68	23.85	22.2
55281	'TMEM140'	23	8.05	8.14	9.66	44.86	34.4
55282	'LRRC36'	0.13	0.08	0.06	0	0.17	0
55283	'MCOLN3'	0.79	0.84	1.19	1.37	4.23	4.31
55284	'UBE2W'	4.59	5.71	4.16	4.03	5.25	6.3
55285	'RBM41'	6.38	4.13	3.5	3.75	7.71	5.74
55286	'C4orf19'	0.5	0.34	0.19	0.21	0.28	0.55
55288	'RHOT1'	18.64	17.56	18.61	14.52	21.12	22.98
552889	'ATXN7L3B	24.58	13.92	11.6	17.66	13.93	18.61
55289	'ACOXL'	1.26	0.96	0.7	0.89	1.17	1.62
552891	'DNAJC25-	0.97	1.34	0.4	0	0	0.37
5529	'PPP2R5E'	22.57	17.21	16.73	15.64	14.69	20.8
55290	'BRF2'	10.08	11.21	9.4	9.64	9.84	11.45
552900	'BOLA2'	5.97	6.09	6.8	3.46	5.2	0
55291	'PPP6R3'	75.74	46.75	47.76	41.89	49.92	57.96
55293	'UEVLD'	15.11	10.48	9.69	8.89	13.65	16.77
55294	'FBXW7'	22.15	18.05	17.47	14.14	17.82	22.12
55295	'KLHL26'	7.09	6.09	9.97	6.39	8.61	11.93
55296	'TBC1D19'	4.88	3.22	3.57	4.07	3.38	6.46
55297	'CCDC91'	18.59	17.04	17.92	16.89	17.07	26.42
55298	'RNF121'	18.03	10.94	12.65	11.63	18.6	16.62
55299	'BRIX1'	43.55	34.74	52.47	40.33	20.66	46.24
553	'AVPR1B'	0	0	0.02	0	0	0.02
5530	'PPP3CA'	44.74	32.45	32.91	27.38	35.12	31.2
55300	'PI4K2B'	27.85	15.77	26.02	16.95	24.89	15.69
55301	'OLAH'	1.01	0.59	0.96	0.11	4.74	1.7
55303	'GIMAP4'	23.99	32.09	72.49	46.42	224.87	154.68
55304	'SPTLC3'	0.08	0.03	0.18	0.07	0	0
55308	'DDX19A'	34.44	22.84	28.49	22.88	18.58	30.3
5531	'PPP4C'	108.64	103.42	225.54	154.85	150.79	169
55311	'ZNF444'	19.27	19.8	23.83	12.62	29.99	28.9

553115	'PEF1'	47.07	41.29	58.36	36.27	51.91	53.58
55312	'RFK'	20.91	17.34	18.33	13.59	14.5	24.1
553128	'KIR2DL5E	0	0	0	0.59	0	0
55313	'CPPED1'	8.2	5.01	9.32	8.68	6.55	15.01
55314	'TMEM144'	0.08	0	0.07	0	0	0
55315	'SLC29A3'	5.02	3.1	4.06	3.21	7.61	7.49
553158	'PRR5-ARH	0	0	0.25	0.5	0.23	0.9
55316	'RSAD1'	19.14	20.29	24.57	21.02	21.26	28.5
55317	'AP5S1'	19.38	11.86	16.93	15.83	11.21	20.64
55319	'TMA16'	9.81	7.55	17.8	7.94	9.82	10.75
5532	'PPP3CB'	46.02	36.6	41.73	34.09	41.09	54.17
55320	'MIS18BP1	23.48	15.57	17.31	13.89	21.5	16.86
55321	'TMEM74B'	1.11	0.25	0.52	0.7	1.1	0.83
55322	'C5orf22'	19.74	13.51	13.73	12.09	12.77	14.98
55324	'ABCF3'	25.25	21.48	21.15	21.61	28.08	25.27
55325	'UFSP2'	10.34	8.01	12.5	8.9	17.45	12.15
55326	'AGPAT5'	7.62	4.19	9.26	4.9	11.92	6.48
55327	'LIN7C'	6.18	4.44	4.33	4.76	6.17	7.66
55328	'RNLS'	1.36	1.01	2.53	1.41	1.43	3.23
55329	'MNS1'	0.11	0	0.17	0	0	0
5533	'PPP3CC'	114.28	83.1	66.55	86.2	53.16	95.04
55330	'BLOC1S4'	17.81	19.14	18.1	20.09	25.77	23.74
55331	'ACER3'	10.89	5.57	5.03	5.49	3.18	8.33
55332	'DRAM1'	5.32	4.02	4.34	3.31	11.16	6.05
55333	'SYNJ2BP'	2.3	1.95	1.75	2.27	2.74	3.26
55334	'SLC39A9'	24.9	15.62	18.46	13.4	15.64	19.39
55335	'NIPSNAP3	0.17	0.12	0.22	0.05	0.26	0.37
55336	'FBXL8'	9.98	15.44	12.94	11.41	47.99	19.83
55337	'SHFL'	68.49	77.7	57.97	83.75	76.59	150.22
55339	'WDR33'	41.09	28.5	28.77	26.57	35.26	37.84
5534	'PPP3R1'	60.74	42.15	48.36	40.45	48.58	57.62
55340	'GIMAP5'	63.12	56.34	60.8	81.99	236.42	157.32
55341	'LSG1'	37.14	25.21	19.13	21.9	12.19	25.09
55342	'STRBP'	4.99	3.74	9.22	3.46	10.82	9.2
55343	'SLC35C1'	32.12	21.48	23.88	20.35	18.66	31.04
55344	'PLCXD1'	8.52	4.06	8.15	5.25	9.21	4.45
55345	'ZGRF1'	13.05	9.05	10.4	6.28	9.04	7.31
55346	'TCP11L1'	16.63	10.26	10.42	8.14	14.01	12.43
55347	'ABHD10'	13	12.78	16.39	11.84	21.94	10.96
55349	'CHDH'	0.53	0.35	1.31	0.29	1.53	2.19
5535	'PPP3R2'	0	0	0.03	0	0.03	0.03
55350	'VNN3'	4.82	2.01	1.74	1.58	0.72	0.5
55351	'STK32B'	0.04	0	0.03	0	0	0
55352	'COPRS'	42.59	33.66	40.62	36.63	22.64	29.55
55353	'LAPTM4B'	23.35	24	44.2	12.89	12.4	49.37
55355	'HJURP'	48.82	35.94	50.46	19.4	24.58	24.12
55356	'SLC22A15	3.7	2.56	1.31	1.94	1.13	0.55
55357	'TBC1D2'	2.48	3.1	2.92	2.1	5.61	7.5
55359	'STYK1'	14.73	12.07	14.09	8.91	13.51	13.86
5536	'PPP5C'	90.52	73.15	114.01	64.21	46.92	83.67
55361	'PI4K2A'	29.24	18.39	11.33	19.55	13.24	19.03
55362	'TMEM63B'	7.08	5.56	5.17	4.74	14.59	11.19
55363	'HEMGN'	0.19	0.05	0.14	0.18	0.76	0.23
55364	'IMPACT'	3.92	3.29	5.2	4.21	3.37	5.67

55365	'TMEM176A	0	0	0.75	1.9	0	0.27
55366	'LGR4'	0.05	0.18	0.32	0.18	0.36	2.55
55367	'PIDD1'	31.37	28.61	25.27	16.14	50.17	23.16
5537	'PPP6C'	37.89	31.73	34.53	29.5	30.87	40.58
55374	'TMCO6'	8.37	9.48	13.16	5.59	14.95	11.13
55379	'LRRC59'	82.07	48.45	88.34	48.3	50.86	70.55
5538	'PPT1'	152.92	93.56	180.66	98.79	137.6	141.85
55388	'MCM10'	8.72	3.78	14.65	3.31	9.55	6.41
5539	'PPY'	0	0	0	0	0.44	0
554	'AVPR2'	3.03	0.55	0.48	0.56	0.6	1.14
5540	'NPY4R'	0	0	0	0.01	0	0
55421	'NCBP3'	25.19	18.13	16.97	19.02	17.09	19.34
55422	'ZNF331'	3.55	3.87	2.54	4.95	6.98	3.87
554226	'ANKRD30B	0	0	0	0	0.07	0
55423	'SIRPG'	25.44	36.83	40.46	55.15	29.03	49.36
554235	'ASPDH'	0	0	0	0.14	0	0.51
55425	'GPALPP1'	8.46	5.7	10.17	5.8	14.02	9.81
554251	'FBXO48'	2.37	1.85	1.43	1.59	3.02	2.07
554282	'FAM72C'	5.64	3.08	12.96	3.01	1.49	0.56
554313	'H4C15'	9.91	1.29	5.31	2.68	10.73	11.06
55432	'YOD1'	10	5.72	4.18	6.92	5.55	7.36
55435	'AP1AR'	20.11	11.08	12.73	14.7	9.78	14.19
55437	'STRADB'	15.44	13.4	13.55	10.43	20.32	15.84
5544	'PRB3'	0	0	0	0	0.11	0
55450	'CAMK2N1'	3.3	2.76	2.55	5	5.43	3.35
55454	'CSGALNAC	85.56	52.48	36.76	53.48	47.02	57.67
5546	'PRCC'	92.48	69.14	88.63	62.87	61.83	90.18
55466	'DNAJA4'	14.56	10.92	15.78	9.83	7.55	16.69
5547	'PRCP'	42.31	42.72	40.09	32.45	55.71	48.58
55471	'NDUFAF7'	11.68	7.32	10.66	7.23	13.21	13.41
55486	'PARL'	35.05	40.93	46.73	43.56	33.57	41.34
5549	'PRELP'	0.09	0.11	0	0.05	0.2	0.11
5550	'PREP'	24.14	15.44	15.87	11.46	33.48	19.93
55500	'ETNK1'	32.87	28.95	18.03	26.89	22.59	25.3
55501	'CHST12'	85.35	64.82	71.99	72.22	95.65	92.38
55502	'HES6'	9.58	10.15	8.31	3.88	8.46	4.75
55503	'TRPV6'	0	0.03	0.03	0.03	0	0
55504	'TNFRSF19	0.03	0	0.03	0.02	0	0.07
55505	'NOP10'	303.31	323.21	465.9	360.89	265.99	406.16
55506	'MACROH2A	1.83	1.92	2.94	3.51	4.29	4.82
55507	'GPRC5D'	0	0.11	0.11	0	0.08	0.27
55508	'SLC35E3'	8.61	2.86	4.04	4.49	10.13	4.88
55509	'BATF3'	18.03	9.46	82.59	13.08	3.56	22.53
5551	'PRF1'	1956.4	1144.8	1358.1	943.83	1034.6	1199.64
55510	'DDX43'	6.94	3.49	2.22	0.69	3.69	2.24
55511	'SAGE1'	0	0.1	0	0	0	0
55512	'SMPD3'	1.28	0.57	0.91	0.21	1.44	1.5
55515	'ASIC4'	0.14	0.03	0	0.1	0	0.06
5552	'SRGN'	1549.7	1357.7	1584.9	1198.49	977.15	1383.6
55520	'ELAC1'	2.78	2.88	4.09	3.18	3.77	7.46
55521	'TRIM36'	0.19	0.15	0.07	0.11	0.48	0.42
55526	'DHTKD1'	4.62	3.72	5.57	3.1	7.25	6.9
55527	'FEM1A'	9.14	5.65	5.34	6	5.94	7.48
55529	'PIP4P2'	3.35	2.92	2.29	2.8	9.96	3.09

5553	'PRG2'	4.63	18.3	404.81	22.2	3.93	6.71
55530	'SVOP'	0.11	0.07	0.01	0.22	0.08	0.13
55531	'ELMOD1'	0	0.07	0	0.06	0.03	0.04
55532	'SLC30A1(	0.04	0.06	0.05	0.14	0.1	0.18
55534	'MAML3'	4.5	1.31	1.37	2.01	1.26	0.91
55536	'CDCA7L'	17.68	9.49	18.7	8.2	16.56	8.22
5554	'PRH1'	2.48	1.2	1.7	2.93	1.58	2.36
55540	'IL17RB'	4.66	5.06	23.32	3.75	32.2	55.29
55544	'RBM38'	205.78	153.42	139.63	160.25	167.13	159.91
5555	'PRH2'	0.08	0.09	0.28	0.15	0.08	0.3
55552	'ZNF823'	2.48	2.12	1.97	1.57	2.94	2.06
55553	'SOX6'	0	0	0	0.01	0	0
55554	'KLK15'	0	0	0	0.08	0	0
55556	'ENOSF1'	19.17	16.79	26.22	9.03	30.01	17.69
55558	'PLXNA3'	14.54	10.67	6.94	6.28	20.94	21.15
55559	'HAUS7'	14.42	8.9	24.31	12.36	8.33	13.1
55561	'CDC42BP(	0.65	0.6	0.59	0.48	1.11	1.48
55565	'ZNF821'	6.27	9.51	5.39	8.34	17.81	16.06
55567	'DNAH3'	0.02	0	0.04	0.01	0	0.02
55568	'GALNT10'	38.81	23.82	19.16	24.51	27.46	31.67
5557	'PRIM1'	33.85	20.88	43.52	17.78	29.49	20.42
55571	'CNOT11'	51.09	38.89	41.84	38.06	44.69	42.23
55572	'FOXRED1'	23.09	20.09	33.38	12.83	22.23	25.65
55573	'CDV3'	199.35	139.69	152.57	136.23	125.87	216.49
55576	'STAB2'	0	0	0	0	0	0.03
55577	'NAGK'	24.23	17.87	31.45	19.96	34.87	41.22
55578	'SUPT20H'	35.83	24.83	31.26	20.87	39.68	43.65
5558	'PRIM2'	10.12	8.18	12.6	8.07	10.09	9.77
55582	'KIF27'	2.57	1.4	1.07	1.49	1.7	2.48
55584	'CHRNA9'	0	0	0	0.04	0.09	0.05
55585	'UBE2Q1'	82.49	75.52	67.97	68.92	71.75	83.04
55586	'MIOX'	0.37	0.7	0.71	0.46	1.28	0.29
55588	'MED29'	27.13	20.92	23.33	14.72	35.55	29.54
55589	'BMP2K'	8.76	4.38	7.36	3.86	6.39	6.89
55591	'VEZT'	17.97	13.78	9.9	12.73	13.18	17.56
55593	'OTUD5'	134.42	94.68	74.66	80.62	146.53	109.49
55596	'ZCCHC8'	44.96	38.15	28.02	38.76	26.64	38.38
55599	'RNPC3'	14.56	8.24	8.29	7.46	14.5	11.46
55600	'ITLN1'	0	0	0.09	0	0	0
55601	'DDX60'	2.94	2.46	5.97	10.57	6.95	32.64
55602	'CDKN2AIF	36.12	32.9	20.46	31.22	19.11	29.06
55603	'TENT5A'	7.44	7.56	3.84	7.02	4.29	5.32
55604	'CARMIL1'	0.16	0.02	0.23	0.1	0.14	0.26
55605	'KIF21A'	9.59	6.94	5.72	4.7	5.04	5.75
55607	'PPP1R9A'	0.35	0.18	0.05	0.08	0.04	0.15
55608	'ANKRD10'	86.6	80.52	64.54	60.66	102.03	134.99
55609	'ZNF280C'	3.5	1.81	1.66	1.68	2	2.74
55610	'VPS50'	15.27	9.01	7.89	10.43	12.43	15.67
55611	'OTUB1'	117.36	114.71	125.07	109.21	99.07	137.55
55612	'FERMT1'	0	0	0.04	0	0	0
55613	'MTMR8'	0.93	0.74	1.24	0.45	1.23	0.99
55614	'KIF16B'	3.83	3.12	2.77	3.08	3.42	3.82
55615	'PRR5'	24.06	29.09	31.87	28.37	49.06	44.05
55616	'ASAP3'	0.12	0.07	0.02	0.11	0.07	0.38

55617	'TASP1'	8.15	5.04	4.75	6.67	5.03	6.55
55619	'DOCK10'	100.32	49.3	50.65	42.55	88.95	80.99
5562	'PRKAA1'	45.81	28.95	26.53	26.36	35.47	34.1
55620	'STAP2'	6.36	5.63	5.41	4.02	5.31	6.92
55621	'TRMT1'	28.02	27.65	30.55	25.58	17.82	32.14
55622	'TTC27'	10.48	5.35	7.67	9.13	4.02	6.57
55623	'THUMPD1'	39.5	25.87	25.26	28.82	25.58	29.92
55624	'POMGNT1'	24.59	20.79	24.58	17.71	13.43	33.93
55625	'ZDHHC7'	46.84	32.55	24.2	33.8	31.33	36.32
55626	'AMBRA1'	20.31	13.57	11.17	11.9	18.81	16.9
55627	'SMPD4'	122.34	85.43	78.21	65.87	51.33	70.15
55628	'ZNF407'	8.32	2.93	2.73	3.88	3.15	5.22
55629	'PNRC2'	147.05	111.11	111.45	117.88	118.61	121.23
5563	'PRKAA2'	0	0	0	0.01	0	0.01
55630	'SLC39A4'	35.18	38.56	38.03	33.4	28.04	31.86
55631	'LRRC40'	13.37	11.99	14.8	9.36	16	17.23
55632	'G2E3'	13	10.5	7.29	9.84	6.8	9.59
55633	'TBC1D22B	27.13	20.92	19.69	16.37	13.88	20.02
55634	'KRBOX4'	6.02	5	6.75	4.71	17.61	8.65
55635	'DEPDC1'	11.33	4.91	9.8	4.41	3.62	5.17
55636	'CHD7'	4.13	5.82	4	4.28	5.9	6.31
55638	'SYBU'	0.02	0	0.04	0.02	0.12	0.04
5564	'PRKAB1'	42.4	33.47	28.93	26.3	33.3	35.95
55640	'FLVCR2'	1.91	1.14	0.58	2.93	1.78	4.8
55643	'BTBD2'	41.76	49.09	58.03	34.3	106.39	55.24
55644	'OSGEP'	14.82	10.35	18.92	12.48	11.85	12.82
55646	'LYAR'	52.91	46.51	81	58.06	41.45	59.23
55647	'RAB20'	0.19	0.07	1.76	0.6	5.97	12.09
5565	'PRKAB2'	13.25	9.58	4.65	9.1	11.93	7.29
55650	'PIGV'	11.65	7.1	5.66	5.23	10.76	3.84
55651	'NHP2'	153	146.32	217.85	159.13	74.09	132.96
55652	'SLC48A1'	6.43	8.03	8.86	5.12	15.59	12.12
55653	'BCAS4'	10.7	18.79	16.03	13.15	21.87	10.88
55654	'TMEM127'	31.41	18	20.22	18.37	29.64	26.17
55655	'NLRP2'	21.57	15.92	8.34	11.81	5.83	17.21
55656	'INTS8'	23.57	16.99	17.27	13.48	22.49	22.49
55657	'ZNF692'	18.01	22.65	32.11	16.03	32.94	31.5
55658	'RNF126'	130.71	124.06	135.45	77.65	74.12	133.11
55659	'ZNF416'	6.4	4.92	3.97	5.65	6.54	9.13
5566	'PRKACA'	56.01	47.42	57.26	31.55	57.19	60.52
55660	'PRPF40A'	56.33	35.56	37.3	35.84	38.3	49.19
55661	'DDX27'	42.98	30.56	45.36	27.84	34.55	46.37
55662	'HIF1AN'	12.2	7.12	9.51	6.93	16.75	12.03
55663	'ZNF446'	8.22	7.96	6.23	5.64	8.94	8.87
55664	'CDC37L1'	3.88	4.3	3.01	5.18	4.92	6.6
55665	'URGCP'	11.49	11.91	9.68	9.14	13.6	10.46
55666	'NPLOC4'	69.6	40.85	46.43	37.66	31.73	49.22
55667	'DENND4C'	23.3	11.94	8.6	13.82	18.78	18.95
55668	'GPATCH2L	20.49	13.35	8.73	11.71	15.56	16.79
55669	'MFN1'	11.24	9.52	10.44	8.56	11.13	14.21
5567	'PRKACB'	61.23	61.65	60.98	43.39	82.99	68.64
55670	'PEX26'	5.15	2.9	3.87	3.08	3.23	3.76
55671	'PPP4R3A'	93.12	71.18	57.28	61.09	63.14	74.66
55672	'NBPF1'	1.54	0.9	0.26	0.89	0.57	1.63

55676	'SLC30A6'	12.26	8.25	9.81	8.06	14.78	13.9
55677	'IWS1'	34.82	25.4	31.38	25.61	26.12	34.69
55679	'LIMS2'	1.03	0.46	2.71	0.31	0.2	3.77
55680	'RUFY2'	5.81	5.31	2.64	4.5	5.42	5.54
55681	'SCYL2'	31.44	21.56	16.37	17.21	15.6	24.21
55683	'KANSL3'	52.02	38	28.48	24	39.07	31.51
55684	'RABL6'	107.39	79.96	106.03	61.63	80.22	96.37
55686	'MREG'	21.32	14.76	11.84	12.03	10.26	18.54
55687	'TRMU'	19.49	19.49	15.59	19.16	18.64	20.81
55689	'YEATS2'	15.71	10.87	13.55	11.93	37.43	20.8
5569	'PKIA'	1.24	1.11	2.64	0.54	10.34	6.03
55690	'PACS1'	58.68	46.77	46.37	25.02	61.24	58.08
55691	'FRMD4A'	0.61	0.55	0.43	0.41	1.28	0.66
55692	'LUC7L'	40.52	40.47	44.89	50.44	39.27	70.21
55693	'KDM4D'	0.57	0.5	0.49	0.74	0.96	0.77
55695	'NSUN5'	29.65	24.29	30.58	30.88	26.6	39.07
55696	'RBM22'	126.83	104.98	82.68	96.32	86.15	112.7
55697	'VAC14'	36.57	18.81	20.93	22.06	21.7	26.63
55698	'RADIL'	0.15	0.13	0.11	0.11	0.05	0.08
55699	'IARS2'	48.52	30.58	35.03	31.76	36.68	34.08
5570	'PKIB'	0.17	0	0.13	0.24	0.11	0.15
55700	'MAP7D1'	202.43	132.45	118.05	125.5	123.82	176.02
55701	'ARHGEF4(	0.46	0.16	0.3	0.48	0.24	0.14
55702	'YJU2'	71.87	72.73	79.56	58	45.54	94.01
55703	'POLR3B'	4.27	2.48	2.19	2.03	1.13	2.29
55704	'CCDC88A'	3.34	1.62	1.72	1.17	0.32	2.01
55705	'IPO9'	19.61	9.86	12.98	8.54	11.46	13.25
55706	'NDC1'	16.08	9.44	22.56	9.17	8.42	9.58
55707	'NECAP2'	60.19	53.77	105.8	71.14	112.4	159.45
55709	'KBTBD4'	13.98	10.34	9.66	12.7	16.84	13.55
5571	'PRKAG1'	67.31	52.19	74.49	51.83	59.78	70.63
55711	'FAR2'	6.79	4.1	11.21	3.9	5.46	8.27
55713	'ZNF334'	0.2	0.12	0.55	0.11	0.21	0.39
55714	'TENM3'	0	0	0	0	0	0.01
55715	'DOK4'	2.74	3.86	2.98	2.4	5.34	4.98
55716	'LMBR1L'	19.4	17.57	14.09	14.24	23.42	24.87
55717	'WDR11'	30.89	18.41	16.87	19.7	20.5	18.68
55718	'POLR3E'	26.37	17.09	20.92	17.68	10.35	24.95
55719	'SLF2'	21.12	10.23	10.6	11.07	15.8	10.44
55720	'TSR1'	17.87	10.82	14.75	12.13	10.19	15.81
55721	'IQCC'	2.28	2.55	3.16	2.17	4.99	3.07
55722	'CEP72'	5.67	2.91	4.18	1.75	4.25	2.84
55723	'ASF1B'	80.62	48.41	129.12	31.78	128.59	39.53
55726	'INTS13'	29.26	20.81	25.32	23.65	37.43	26.98
55727	'BTBD7'	17.75	10.46	6.67	8.35	8.75	8.43
55728	'N4BP2'	17.77	9.59	7.35	9.4	9.5	10.49
55729	'ATF7IP'	33.37	18.63	16.7	19.17	12.67	27.96
5573	'PRKAR1A'	66.66	43.3	59.86	37.61	94.37	63.37
55731	'FAM222B'	8.83	7.05	6.6	6.36	9.88	9.87
55732	'C1orf112	11.75	8.16	8.21	6.15	6.39	8.3
55733	'HHAT'	0.29	0.13	0.19	0.17	0.41	0.47
55734	'ZFP64'	13.52	9.7	5.95	9.18	9.46	11.37
55735	'DNAJC11'	33.94	21.93	26.56	20.31	18	30.86
55737	'VPS35'	32.6	14.58	34.17	19.83	35.41	31.06

55738	'ARFGAP1'	44.46	37.06	30.12	32.97	38.12	41.01
55739	'NAXD'	24.52	21.57	16.78	21.9	32.46	30.66
55740	'ENAH'	0.02	0.01	0.03	0.06	0.04	0.05
55741	'EDEM2'	37.54	38.02	31.69	33.8	54.06	46.73
55742	'PARVA'	0	0	0	0.03	0.01	0.02
55743	'CHFR'	57.74	44.44	33.1	41.45	34.81	49.58
55744	'COA1'	53.43	58.84	72.07	54.63	56.19	59.6
55745	'AP5M1'	9.33	5.89	6.19	6.15	7.09	9.06
55746	'NUP133'	13.54	9.55	12.86	8.5	12.34	12.07
55748	'CNDP2'	29.22	22.01	33.35	24.7	17.04	40.11
55749	'CCAR1'	46.65	27.48	29.7	27.48	24.23	37.43
5575	'PRKAR1B'	7.44	6.84	16.82	5.97	9.26	17.68
55750	'AGK'	40.76	23.82	27.56	16.58	20.43	21.74
55751	'TMEM184C	11.59	7.32	6.4	6.41	9.52	8.57
55752	'SEPTIN11	31.32	17.41	27.39	16.76	20.88	21.45
55754	'TMEM30A'	63.35	40.57	33.54	45.1	65.16	49.56
55755	'CDK5RAP2	33.2	19.71	23.36	15.56	20.68	20.34
55756	'INTS9'	21.69	14.12	17.27	14.76	16.76	19.34
55757	'UGGT2'	1.54	0.49	0.23	0.1	0.16	0.23
55758	'RCOR3'	23.85	23.53	15.89	15.65	24.9	23.72
55759	'WDR12'	5.37	2.47	5.01	2.95	1.67	4.28
5576	'PRKAR2A'	17.85	10.97	11	9.52	9.51	13.02
55760	'DHX32'	8.9	8.13	8.85	5.18	14.18	7.62
55761	'TTC17'	43.08	34.68	25.51	32.56	43.53	40.55
55762	'ZNF701'	3.01	2.13	2.58	2.93	4.63	4.4
55763	'EXOC1'	19.96	16.45	13.22	14.25	23.63	17.9
55764	'IFT122'	6.48	3.98	6.15	3.16	3.81	5.21
55765	'INAVA'	0.31	0.25	0.18	0.07	0.02	0.11
55766	'H2AJ'	10.04	13.17	16.38	9.91	13.98	16.28
55768	'NGLY1'	19.17	25.83	21.05	24.21	42.19	28.89
55769	'ZNF83'	10.46	12.12	9.7	10.76	27.21	15.74
5577	'PRKAR2B'	0.58	0.34	0.91	0.17	0.35	0.61
55770	'EXOC2'	20	13.6	18.23	12.88	16.42	27.11
55771	'PRR11'	37.72	11.21	19.8	9.5	6.93	9.65
55773	'TBC1D23'	16.92	12.54	11.46	10.66	16.29	15.4
55775	'TDP1'	19.8	15.43	30.31	16.88	25.05	26.08
55776	'SAYSD1'	7.37	5.91	7.88	8.48	7.18	8.86
55777	'MBD5'	2.28	1.22	1.2	1.21	2.32	2.09
55778	'ZNF839'	8.44	10.39	5.83	6.47	11.99	10.11
55779	'CFAP44'	2.05	1.33	1.21	0.94	4.15	1.73
5578	'PRKCA'	19.02	11.27	10.73	13.75	16.33	17.49
55780	'ERMARD'	14.12	14.16	12.68	11.96	13.58	15.5
55781	'RIOK2'	10.75	10.52	11.26	9.47	14.45	14.08
55783	'CMTR2'	10.73	7.59	6.08	9.73	10.87	12.49
55784	'MCTP2'	72.2	50.34	24.61	24.39	28.2	15.48
55785	'FGD6'	0.14	0.07	0.06	0.13	0.09	0.11
55786	'ZNF415'	0.06	0.05	0.18	0.15	0.12	0
55787	'TXLNG'	15.57	11.42	8.39	6.7	7.59	16.4
55788	'LMBRD1'	19.32	16.79	16.25	18.26	29.57	23.32
55789	'DEPDC1B'	21.75	10.41	30.12	9.98	11.2	9.04
5579	'PRKCB'	61.71	45.85	44.19	36.87	70.81	42.13
55790	'CSGALNAC	8.76	8.86	8.27	5.5	16.44	12.17
55791	'LRIF1'	14.37	12.46	14.35	15.68	41.2	23.41
55793	'MINDY1'	5.61	3.56	4.63	1.89	4.31	6.23

55794	'DDX28'	11.1	10.58	12.59	10.41	10.6	14.31
55795	'PCID2'	32.02	29.55	37.87	37.79	45.59	54.6
55796	'MBNL3'	11.03	3.69	5.61	4	3.76	6.08
55798	'METTL2B'	4.17	2.66	4.94	2.71	3.52	4.16
558	'AXL'	0.05	0.09	0.05	0.04	0.38	0.21
5580	'PRKCD'	32.03	27.91	30.22	24.85	29.24	45.98
55800	'SCN3B'	0.15	0.05	0.06	0.11	0.03	0.08
55801	'IL26'	4.69	2.33	3.26	3.9	0.23	9.74
55802	'DCP1A'	21.4	14.36	11.71	14.28	14.28	18.6
55803	'ADAP2'	0.29	0.25	0.04	0.2	0.04	0.16
55805	'LRP2BP'	0.61	1.01	0.58	0.68	1.32	0.66
55806	'HR'	0.02	0.04	0	0	0	0.02
55808	'ST6GALNA	0.07	0.07	0.07	0.07	0	1.45
55809	'TRERF1'	18.34	15.72	13.7	9.79	24.27	27.95
5581	'PRKCE'	20.93	28.38	14.81	15.13	18.84	13.9
55810	'FOXJ2'	17.77	9.17	8.9	7.86	14.14	11.99
55811	'ADCY10'	0.02	0.03	0.02	0.03	0.06	0.09
55812	'SPATA7'	1.98	4.07	3.54	2.66	8.19	4.29
55813	'UTP6'	29.53	19.81	30.82	23.46	23.72	29.92
55814	'BDP1'	21.79	10.73	8.14	10.78	8.51	13.8
55815	'TSNAXIP1	0.12	0.26	0.2	0.38	0.33	0.41
55818	'KDM3A'	39.46	34.82	21.11	34.7	99.44	43.16
55819	'RNF130'	28.19	33.01	21.63	28.41	28.77	13.33
5582	'PRKCG'	0.04	0.06	0.06	0.17	0.13	0.18
55823	'VPS11'	49.48	40.49	29.34	32.01	40.15	47.11
55824	'PAG1'	62.81	28.3	15.58	33.09	25.89	47.94
55825	'PECR'	10.68	11.55	15.07	9.42	17.11	12.23
55827	'DCAF6'	26.16	26.74	22.52	22.34	24.51	30.93
55829	'SELENOS'	110.44	89.69	74.68	70.87	77.35	91.16
5583	'PRKCH'	212.36	172.94	171.82	153.13	177.67	222.76
55830	'GLT8D1'	29.02	33.65	33.13	31.94	34.57	35.41
55831	'EMC3'	87.43	75.52	64.92	77.4	57.88	80.98
55832	'CAND1'	16.51	11.22	12.68	10.13	14.09	14.65
55833	'UBAP2'	53.9	30.72	42.48	32.54	28.23	39.17
55835	'CENPJ'	15.97	8.06	11.65	5.47	7.26	9.02
55837	'EAPP'	53.47	65.66	47.93	62.88	67.66	78.06
55839	'CENPN'	57.23	33.02	71.74	24.7	16.87	21.33
5584	'PRKCI'	8.87	8.37	6.98	6.8	10.69	9.7
55840	'EAF2'	10.7	7.47	39.46	8.6	24.39	25.42
55841	'WWC3'	12.26	8.54	8.68	6.46	10.98	10.08
55843	'ARHGAP15	110.09	91.69	148.78	90.21	115.81	145.67
55844	'PPP2R2D'	24.39	21.15	18.02	18.42	33.05	19.22
55845	'BRK1'	169.71	198.38	233.25	159.92	242.29	201.42
55846	'ITFG2'	29.09	18.5	15.97	19.31	14.99	20.88
55847	'CISD1'	9.24	9.15	12.74	8.84	11.7	11.28
55848	'PLGRKT'	38.18	37.8	48.93	34.54	28.14	46.36
5585	'PKN1'	172.66	152.61	156.28	126.79	177.5	167.19
55850	'USE1'	30.78	40.89	40.91	36.63	52.86	45.24
55851	'PSENEN'	86.95	98.33	103.3	97.95	67.84	115.15
55852	'TEX2'	8.18	6.55	6.97	4.23	5.43	8.26
55854	'ZC3H15'	72.44	56.41	67.81	62.54	51.41	75.58
55856	'ACOT13'	5.43	5.29	10.29	5.23	9.2	9.16
55857	'KIZ'	22.19	20.14	15.62	18.1	31.41	23.11
55858	'TMEM165'	45.05	30.78	47.75	33.8	27.88	39.57

55859	'BEX1'	0	0	0.66	0.15	0.17	0.19
5586	'PKN2'	14.63	14.76	8.42	10.49	9.59	12.03
55860	'ACTR10'	36.88	41.39	44.93	42.31	41.12	53.06
55861	'DBNDD2'	11.61	15.1	14.18	25.26	16.14	25.11
55862	'ECHDC1'	37.93	27.82	38.11	27.63	31.43	36.7
55863	'TMEM126E	58.64	45.93	68.88	52.68	45.53	67.17
55869	'HDAC8'	19.49	17.82	20.61	14.94	19.28	17.47
5587	'PRKD1'	0	0	0.06	0	0	0
55870	'ASH1L'	23.7	13.82	10.05	11.92	16.1	19.38
55871	'CBWD1'	40.91	29.67	19.16	23.62	16.69	28.86
55872	'PBK'	17.26	10.13	28.39	7.97	12.62	10.54
55876	'GSDMB'	14.96	26.54	18.69	12.04	32.72	30.37
5588	'PRKCQ'	66.92	64.13	55.44	44.72	89.76	69.18
55884	'WSB2'	58.06	38.2	37.2	43.36	31.02	56.15
55888	'ZKSCAN7'	1.17	1.01	0.7	0.9	1.25	0.78
55889	'GOLGA6B'	0	0	0	0.09	0	0.06
5589	'PRKCSH'	285.82	290.4	244.62	266.96	321.72	228.53
55890	'GPRC5C'	0	0	0.09	0.05	0.29	0.07
55892	'MYNN'	13.34	8.44	8.1	10.46	10.8	14.9
55893	'ZNF395'	12.78	12.56	5.67	12.37	111.53	10.38
55897	'MESP1'	1.31	1.68	1.36	0.46	0.71	1.26
55898	'UNC45A'	42.32	31.53	40.56	24.68	52.14	49.31
5590	'PRKCZ'	2.47	4.18	5.26	4.7	8.35	11.42
55900	'ZNF302'	6.94	6.62	6.53	7.38	15.34	12.13
55901	'THSD1'	0.95	1.33	0.74	1.55	1.41	1.82
55902	'ACSS2'	2.44	4.1	4.56	5.77	15.62	13.18
55904	'KMT2E'	63.5	31.07	21.78	29.82	51.99	49.51
55905	'RNF114'	37.83	29.94	29.77	30.82	53.48	45.34
55906	'ZC4H2'	4.31	3.7	4.29	3.21	7.54	6.37
55907	'CMAS'	27.47	26.63	38.86	23.35	34.06	35.74
55909	'BIN3'	26.55	27.48	26.54	31.04	32.39	30.51
5591	'PRKDC'	41.16	13.84	26.26	11.66	14.74	17.77
55911	'APOBR'	45.69	39.85	50.72	22.5	61.09	44.36
55914	'ERBIN'	27.58	18.11	16.62	16.51	19.6	26.34
55915	'LANCL2'	14.37	9.09	6.11	8.26	2.47	8.45
55916	'NXT2'	19.84	15.46	15.26	14.73	11.7	13.48
55917	'CTTNBP2N	0.09	0.04	0.05	0.07	0.15	0.24
5592	'PRKG1'	0	0	0.02	0	0	0
55920	'RCC2'	64.04	32.77	72.03	32.33	43.42	51.85
55922	'NKRF'	8.91	7.67	7.42	6.1	9.4	9.49
55924	'INKA2'	0.95	0.34	0.37	0.67	2.78	1.81
55929	'DMAP1'	40.03	41.05	34.86	42.25	35.82	43.55
5593	'PRKG2'	0.6	0.57	0.21	0.87	0.87	0.69
55930	'MYO5C'	0.64	0.36	0.31	0.4	0.37	0.88
55937	'APOM'	13.52	15.2	10.57	14.56	2.95	5.98
5594	'MAPK1'	121.3	61.51	76.4	71.18	102.83	74.15
5595	'MAPK3'	71.39	75.1	103.54	55.8	132.3	97.84
55954	'ZMAT5'	49.66	61.04	67.67	43.99	73.17	78.15
55957	'LIN37'	32.21	35.21	32.06	30.5	38.7	36.38
55958	'KLHL9'	13.34	7.49	5.11	9.76	7.19	7.9
55959	'SULF2'	0.44	0.32	0.5	0.44	0.68	0.26
5596	'MAPK4'	0	0	0	0	0	0.02
55964	'SEPTIN3'	0.11	0.31	0.62	0.11	1.86	1.23
55967	'NDUFA12'	272.49	289.43	615.79	462.79	305.74	718.08

55968	'NSFL1C'	32.62	28.52	32.86	28.06	28.52	39.72
55969	'RAB5IF'	159.43	136.89	188.68	132.93	95.01	205.1
5597	'MAPK6'	51.71	36.62	33.99	32.32	20.17	43.99
55970	'GNG12'	0.17	0.07	0.02	0.02	0	0.08
55971	'BAIAP2L1	0.76	0.29	0.47	0.17	0.27	0.18
55972	'SLC25A4(	20.82	11.94	13.57	10.28	17.87	10.94
55973	'BCAP29'	32.59	22.95	28.26	17.76	16.59	24.62
55974	'SLC50A1'	36.14	50.85	69.98	50.14	73.75	104.15
55975	'KLHL7'	30.19	28.37	25.93	29.67	20.32	21.94
5598	'MAPK7'	15.88	12.19	13.06	9.95	16.74	17.2
5599	'MAPK8'	43.13	22.4	21.03	18.75	16.41	17.42
55997	'CFC1'	0	0.08	0	0.06	0	0
55998	'NXF5'	0	0	0.06	0	0	0
56	'ACRV1'	0	0.06	0.31	0.06	0.06	0.14
5600	'MAPK11'	5.73	4.75	8.5	4.45	7.59	16.61
56000	'NXF3'	0	0	0.1	0	0	0
56005	'MYDGF'	121.1	98.76	91.05	91.84	117.33	83.92
56006	'SMG9'	58	32.45	38.84	31.02	26.81	44.05
5601	'MAPK9'	53.28	33.83	36.27	30.57	46.62	48.27
5602	'MAPK10'	0.07	0	0	0.06	0.02	0.03
5603	'MAPK13'	19.18	16.7	18.93	12.79	25.37	19.16
56033	'BARX1'	0	0	0.07	0	0.22	0
56034	'PDGFC'	0.1	0	0.23	0.07	0	0.02
5604	'MAP2K1'	88.17	64.56	81.26	60.02	99.44	81.68
5605	'MAP2K2'	258.86	278.28	239.27	216.72	663.85	261.83
56052	'ALG1'	30.17	21.63	28.23	22.89	20.43	31.35
5606	'MAP2K3'	68.02	50.38	62.31	46.64	59.12	60.95
56061	'UBFD1'	13.89	6.59	6.25	6.35	7.66	8.91
56062	'KLHL4'	0	0	0.02	0	0.1	0.12
56063	'TMEM234'	9.08	6.56	5.98	8.51	9.83	8.76
5607	'MAP2K5'	11.4	10.1	12.61	8	14.42	15.65
5608	'MAP2K6'	0.38	0.62	0.76	0.33	1.35	0.96
5609	'MAP2K7'	58.66	46.26	36.64	34.14	42.64	50.18
56099	'PCDHGB7'	0	0	0.04	0	0	0.04
5610	'EIF2AK2'	15.79	8.75	12.15	22.03	9.31	39.28
56100	'PCDHGB6'	0.16	0.12	0.08	0	0.13	0.06
56101	'PCDHGB5'	0.16	0.2	0.12	0	0.04	0.09
56102	'PCDHGB3'	0.15	0	0.04	0.11	0.12	0.13
56103	'PCDHGB2'	0.16	0.12	0.12	0.11	0.13	0.33
56104	'PCDHGB1'	0.07	0	0	0.04	0.08	0
56105	'PCDHGA11	0.2	0.08	0	0	0.05	0.04
56106	'PCDHGA1(	0.1	0.08	0.04	0.07	0.04	0
56107	'PCDHGA9'	0.11	0.04	0	0	0.08	0
56108	'PCDHGA7'	0.05	0	0	0.03	0.09	0
56109	'PCDHGA6'	0.16	0.12	0.12	0.19	0.38	0.28
5611	'DNAJC3'	29.21	17.98	16.16	17.06	25.77	22.63
56110	'PCDHGA5'	0.22	0.09	0	0	0.04	0.06
56111	'PCDHGA4'	0.05	0	0	0.03	0	0
56112	'PCDHGA3'	0	0.04	0	0.04	0	0.05
56113	'PCDHGA2'	0	0	0	0	0.04	0.05
56114	'PCDHGA1'	0	0.09	0.04	0	0.08	0
5612	'THAP12'	69.77	51.31	40.54	49.71	36.25	41.31
56121	'PCDHB15'	0	0	0	0	0.02	0.03
56122	'PCDHB14'	0.06	0	0	0.04	0.05	0

56123	'PCDHB13'	0.02	0	0.02	0.02	0	0.02
56125	'PCDHB11'	0	0	0	0	0.02	0
56126	'PCDHB10'	0	0.03	0.06	0	0.06	0
56127	'PCDHB9'	0.14	0	0.02	0.06	0.09	0.05
56128	'PCDHB8'	0	0.04	0	0	0	0
5613	'PRKX'	59.18	42.2	30.34	36.38	33.34	38.61
56132	'PCDHB3'	0	0	0	0.02	0	0
56133	'PCDHB2'	0	0	0.02	0.04	0	0
56139	'PCDHA10'	0.01	0	0	0.01	0.01	0.02
56144	'PCDHA4'	0.67	0.59	0.21	0.42	0.25	0.34
56154	'TEX15'	0	0	0.02	0	0	0
56155	'TEX14'	0.1	0.12	0.13	0.05	0.14	1.05
56158	'TEX12'	0.27	1.01	0.4	0.84	0.21	0.7
56159	'TEX11'	0	0.06	0.03	0	0	0.07
56160	'NSMCE3'	15.12	15.09	14.12	16.01	21.4	22.38
56163	'RNF17'	0.35	0.21	0.13	0.03	0.2	0.32
56164	'STK31'	0.1	0.24	0.14	0.1	0	0.17
56165	'TDRD1'	0.03	0.02	0	0	0	0.02
56169	'GSDMC'	0	0	0	0	0	0.09
56171	'DNAH7'	0	0	0	0.02	0	0
56172	'ANKH'	58.24	23.03	29.01	27.62	30.51	50.98
5618	'PRLR'	0.04	0.01	0.01	0.01	0	0.05
56180	'MOSPD1'	8.98	8.22	6.61	6.01	8.65	8.49
56181	'MTFR1L'	19.05	25.71	22.02	21.12	39.01	27.27
56203	'LMOD3'	0.26	0.2	0.13	0.18	0.34	0.47
56204	'FAM214A'	23.99	15.9	11.28	18.12	22.06	24.72
5621	'PRNP'	188.15	137.58	147.92	129.61	204.41	211.34
5623	'PSPN'	0	0	0.62	0	0.86	0.49
5624	'PROC'	0	0	0	0.06	0.06	0
56241	'SUSD2'	3.11	2.76	2.32	1.85	0.63	1.99
56242	'ZNF253'	6.63	2.51	2.26	2.04	5.21	5.83
56243	'KIAA1217	1.66	0.56	0.32	0.43	0.37	0.87
56245	'C21orf62	0.18	0.05	0.07	0.11	0.11	0.1
56252	'YLPM1'	38.06	18.16	16.55	16.4	14.9	19.78
56253	'CRTAM'	2.72	2.38	1.67	2.06	4.22	2.6
56254	'RNF20'	18.04	11.08	14.54	10.68	22.08	16.46
56255	'TMX4'	44.75	32.01	29.23	27.53	39.25	30.93
56257	'MEPCE'	68.38	60.57	68.6	58.32	67.72	68.37
56259	'CTNNBL1'	64.56	54.58	67.65	48.41	44.32	61.84
5626	'PROP1'	0	0.07	0	0.14	0	0
56261	'GPCPD1'	21.11	19.69	13.36	14.54	18.79	29.38
56262	'LRRC8A'	25.59	16.02	16.81	11.37	17.18	12.86
56265	'CPXM1'	4.39	1.6	1.91	0.2	0.22	0.22
56267	'KYAT3'	41.54	32.81	46.6	36.39	27.37	50.69
56269	'IRGC'	0	0.07	0	0	0	0
5627	'PROS1'	0.04	0.14	0.08	0.08	0.06	0.27
56270	'WDR45B'	70.66	54.54	41.43	53.47	64.37	55.56
56271	'BEX4'	20.85	20.06	15.05	24.08	16.95	15.12
56288	'PARD3'	0.02	0.03	0.11	0	0.03	0
5629	'PROX1'	0	0	0	0	0.01	0
5630	'PRPH'	0.08	0.17	0.11	0	0	0.07
56300	'IL36G'	0	0	0.1	0	0.11	0.11
5631	'PRPS1'	82.2	58.75	71.3	61.78	41.95	54.06
56311	'ANKRD7'	0	0	0	0.08	0.26	0

56339	METTL3	37.2	28.41	30.01	22.96	29.59	25.21
5634	PRPS2	31.99	20.12	34.1	18.94	34.27	23.61
56341	PRMT8	0	0.1	0	0	0	0.06
56342	PPAN	22.28	15.99	15.49	17.35	29.68	20.71
5635	PRPSAP1	29.98	22.82	39.57	21.57	35.21	38.56
5636	PRPSAP2	23.15	25.9	23.32	19.65	21.77	26.07
5639	PRRG2	0.21	0.95	0.39	0.29	0.94	0.82
5641	LGMN	0.52	0.79	1.41	1.4	5.94	20.54
56413	LTB4R2	8.98	4.25	2.73	4.01	4.06	7.1
5644	PRSS1	10.16	6.63	11.34	15.32	8.51	14.92
5645	PRSS2	0.65	0	0	0.91	0	0.38
5646	PRSS3	0.22	0	0.17	0.16	0.52	0
56474	CTPS2	4.05	4.07	4.19	3.12	3.48	3.96
56475	RPRM	0	0	0	0.07	0.08	0
56477	CCL28	15.68	15.17	9.98	9.61	17.87	8.09
56478	EIF4ENIF	20.69	13.64	13.87	14.01	17.12	15.79
56479	KCNQ5	8.41	3.84	4.03	2.01	0.65	2.06
5649	RELN	0	0	0	0	0	0.02
5652	PRSS8	0.15	0	0	0	0	0
56521	DNAJC12	0.37	1.26	2.62	1.2	2.04	0.32
5654	HTRA1	0.13	0.05	0	0	0	0.06
56548	CHST7	3.58	2.67	4.23	2.4	6.25	4.88
5655	KLK10	0	0	0	0.07	0	0
5657	PRTN3	0	0	0.38	0	0	0
566	AZU1	0	0.41	2.57	0.13	0	0.48
5660	PSAP	233.89	165.22	168.42	169.82	245.01	228.25
56603	CYP26B1	0.03	0	0	0	0	0.16
56605	ERO1B	7.24	6.88	2.62	5.88	7.11	5.89
56606	SLC2A9	0.69	0.22	0.83	0.36	0.36	0.64
56616	DIABLO	24.43	27.44	36.99	24.96	40.4	46.19
5662	PSD	0.64	0.69	0.56	0.4	0.41	0.76
56623	INPP5E	19.31	16.2	11.11	11.56	12.63	14.14
56624	ASAH2	1.72	1.15	0.43	2.47	1.97	2.05
5663	PSEN1	55.08	35.7	29.83	34.36	42.89	40.35
5664	PSEN2	12.85	10.88	8.27	7.11	3.96	9.95
56647	BCCIP	71.4	60.36	70.31	57.38	39.77	61.22
56648	EIF5A2	7.45	4.52	4.43	4.08	3.79	5.84
56649	TMPRSS4	0	0.08	0.06	0.03	0.15	0
56650	CLDND1	264.17	241.55	189.19	270.73	240.28	325.69
56652	TWNK	13.16	11.8	9.69	10.74	5.83	10.3
56654	NPDC1	26.68	49.15	79.78	19.61	50.02	143.05
56655	POLE4	25.81	28.38	31.96	29.56	17.56	20.6
56658	TRIM39	19.23	18.04	10.06	16.13	13.15	16.72
56659	KCNK13	0	0	0	0.04	0	0
56660	KCNK12	0.22	0.13	0.09	0.06	0.1	0.09
56666	PANX2	5.45	4.47	3.06	0.71	6.3	2.33
56667	MUC13	0	0	0.03	0	0	0
56670	SUCNR1	0	0	0.56	0.06	0.02	0.08
56672	AKIP1	12.09	15.49	20.86	11.99	25.89	24.23
56673	C11orf16	0	0.06	0.05	0	0.06	0.06
56674	TMEM9B	70.58	70.43	59.28	57.78	48.54	63.93
56675	NRIP3	0.64	0.43	0.35	0.67	0.42	0.73
56676	ASCL3	0	0	0	0	0	0.26
56681	SAR1A	24.03	23.32	24.35	20.35	20.97	25.95

56683 'CFAP298'	23.7	21.1	29.64	26.12	24.33	33.9
567 'B2M'	7890.9	8610.2	7114	10311.87	8082.03	11423.39
56704 'JPH1'	0.11	0.29	0.19	0.02	0.02	0
56729 'RETN'	0.96	0	2.12	0.34	0	0
56731 'SLC2A4RG	46.32	53.29	43.01	35.45	49.53	32.72
5681 'PSKH1'	14.03	8.49	13.56	8.89	16.78	14.17
5682 'PSMA1'	280.73	250.43	330.23	239.57	202.48	300.01
56829 'ZC3HAV1'	91.58	53.05	60.8	56.09	68.37	70.69
5683 'PSMA2'	134.14	128.81	177.32	123.25	100.55	132.48
56833 'SLAMF8'	0.84	0.44	0.27	1.22	0.64	0.58
56834 'GPR137'	43.83	34.17	33.65	33.47	30.6	50.56
5684 'PSMA3'	157.2	122.01	226.43	125.86	103.95	162.7
56848 'SPHK2'	23.43	16.33	19.95	12.68	17.7	27.71
5685 'PSMA4'	224.43	185.05	357.8	166.5	133.97	247.05
56850 'GRIPAP1'	47.3	37.06	37.34	28.08	44.71	48.79
56851 'EMC7'	138.48	135.58	141.57	149.87	98.1	155.59
56852 'RAD18'	13.27	8.17	10.26	7.41	8.59	8.21
56853 'CELF4'	0.04	0.03	0	0	0	0.04
5686 'PSMA5'	38.18	29.46	55.24	31.94	20.46	51.9
5687 'PSMA6'	321.91	291.4	463.25	284.08	215.12	386.3
5688 'PSMA7'	293.67	199.18	346.34	241.49	135.36	273.15
56882 'CDC42SE1	217.88	135.02	159.74	120.06	129.17	234.42
56886 'UGGT1'	24.9	12.99	15.45	13.65	13.51	16.25
56888 'KCMF1'	53.42	47.22	37.84	42.32	31.7	36.91
56889 'TM9SF3'	71	42.79	43.88	41.75	59.96	51.22
5689 'PSMB1'	350.9	339.89	448.61	342.32	234.17	354.27
56890 'MDM1'	23.72	17.04	21.96	17.28	11.71	19.95
56891 'LGALS14'	0	0	0	0	0	0.61
56893 'UBQLN4'	37.4	23.99	30.25	24.37	30.18	41.88
56894 'AGPAT3'	42.57	25.42	44.06	18.32	30.48	47.24
56895 'AGPAT4'	11.48	8.38	5.23	11.76	9.71	8.36
56896 'DPYSL5'	0	0	0	0.03	0.02	0.02
56897 'WRNIP1'	26.96	21.92	24.78	19.12	27.02	25.93
56898 'BDH2'	10.69	13.01	10.7	12.21	15.03	11.33
56899 'ANKS1B'	0.13	0.06	0.05	0.03	0.25	0.35
5690 'PSMB2'	77.23	53.45	90.04	58.2	33.91	72.79
56900 'TMEM167E	39	33.49	25.72	33.58	32.37	33.85
56901 'NDUFA4L2	1.27	0.77	1.32	0.45	1.19	0.45
56902 'PNO1'	19.56	14.23	18.69	18.15	4.85	19.6
56904 'SH3GLB2'	107.31	96.71	92.47	63.93	100.05	101.74
56905 'C15orf39	84.33	40.09	61.18	26.66	62.42	57.56
56906 'THAP10'	0.07	0	0.15	0	0.1	0.29
56907 'SPIRE1'	3.69	2.52	2.41	0.86	1.05	2.52
5691 'PSMB3'	380.68	361.56	499.78	402.24	181.01	382.53
56910 'STARD7'	75.57	56.81	64.91	47.33	43.12	56.46
56911 'MAP3K7CL	2.76	3.29	4.14	2.94	3.31	6.65
56912 'IFT46'	13.04	7.83	12.73	9.51	15.55	12.71
56913 'C1GALT1'	17.86	15.73	16.18	14.12	18.07	22.87
56914 'OTOR'	0	0	0	0.07	0	0
56915 'EXOSC5'	26.57	21.18	39.09	18.39	20.9	20.01
56916 'SMARCAD1	17.7	11.77	10.97	9.63	15.38	14.55
56917 'MEIS3'	0.09	0	0	0	0.26	0.3
56918 'C2orf83'	0	0	0	0.1	0	0
56919 'DHX33'	14.55	9.03	8.1	8.14	4.89	9.01

5692	PSMB4	424.97	446.37	542.28	374.04	511.55	421.65
56920	SEMA3G	0.18	0.26	0.3	0.07	1.16	3.72
56922	MCCC1	13.11	13.5	14.91	13.4	15.65	12.09
56924	PAK6	0	0	0.06	0	0.02	0.21
56925	LXN	17.45	20.41	23.13	11.73	20.86	18.37
56926	NCLN	42.04	27.14	36.35	22.64	27.04	37.43
56927	GPR108	112.97	107.21	116.2	89.88	133.36	137.97
56928	SPPL2B	29.59	27.12	21.16	14.57	24.72	22.48
56929	FEM1C	18.96	11.61	8.99	11.42	9.92	14.51
5693	PSMB5	36.65	33.47	58.93	35.9	34.35	51.65
56931	DUS3L	47.06	35.17	24.52	26.4	16.91	26.36
56934	CA10	0	0	0	0.12	0.07	0.15
56935	SMC04	6.84	6.44	15.94	8.15	19.16	17.11
56936	CCDC177	0	0.02	0	0	0	0.03
56937	PMEPA1	0.61	0.08	0.49	1	0.43	0.99
56938	ARNTL2	9.18	4.97	6.14	3.22	3.45	5.08
5694	PSMB6	224.29	201.71	265.27	162.29	113.93	239.09
56940	DUSP22	37.26	39.21	36.22	36.51	48.38	41.14
56941	HMCES	75.38	74.2	79.73	67.12	77.41	93.93
56942	CMC2	36.5	43.8	70.98	45.79	30.77	48.82
56943	ENY2	24.06	20.29	19.48	20.92	17.41	17.47
56944	OLFML3	0.32	0.67	0.35	0.28	0.06	0.07
56945	MRPS22	58.4	44.35	54.91	46.98	34.24	53.91
56946	EMSY	13.19	5.68	7.28	5.78	11.2	8.1
56947	MFF	66.65	65.33	68.05	60.33	75.22	69.38
56948	SDR39U1	29.22	35.94	49.29	32.59	30.45	50.25
56949	XAB2	48.9	41.86	32.94	32.74	54.13	44.83
5695	PSMB7	209.16	222.85	237.49	191.84	113.13	208.09
56950	SMYD2	37.99	28.91	30.61	30.8	27.87	27.4
56951	C5orf15	41.82	35.41	38.46	38.99	56.5	51.05
56952	PRTFDC1	1	0.58	1.69	0.6	1.14	0.98
56953	NT5M	6.7	10.86	9.94	6.26	5.76	3.64
56954	NIT2	8.75	7.67	7.04	6.13	6.27	7.84
56956	LHX9	0	0.04	0	0	0	0
56957	OTUD7B	6.68	3.43	3.45	2.62	5.46	4.78
5696	PSMB8	292.09	300.6	547.35	340.85	252.33	513.39
56961	SHD	0.07	0	0.05	0.05	0	0.12
56963	RGMA	0.14	0.09	0.08	0.06	0.2	0.17
56964	WDR93	0	0.05	0	0.05	0	0
56965	PARP6	61.03	52.61	37.35	48.09	59.46	69.25
56967	C14orf13	0.03	0	0.05	0.06	0.09	0.11
5697	PYY	0	0	0	0.21	0.12	0
56970	ATXN7L3	67.83	54.92	50.09	46.74	41.97	65.73
56971	CEACAM19	1.01	0.94	0.66	0.21	0.6	0.26
56975	FAM20C	0.04	0.03	0.31	0.16	0.03	0.04
56977	STOX2	0	0	0	0.02	0	0
56978	PRDM8	88.36	61.32	57.82	32.45	71.92	68.96
5698	PSMB9	111.7	141.96	298.74	160.51	171.3	307.19
56980	PRDM10	12.66	4.25	3.23	6.53	3.39	4.8
56981	PRDM11	2.28	1.76	0.62	0.89	0.52	1.13
56983	POGLUT1	16.11	15.04	10.27	12.43	11.12	16.01
56984	PSMG2	79.72	86.62	130.04	77.52	89.11	104.22
56985	ADPRM	8.79	9.46	8.47	11.43	12.77	10.86
56986	DTWD1	5.02	5.04	7.54	6.17	7.59	9.99

56987	'BBX'	14.17	10.24	6.98	6.63	13.51	14.7
5699	'PSMB10'	186.17	206.22	329.69	219	226.15	300.41
56990	'CDC42SE2	168.96	126.22	109.73	113.25	140.6	148.35
56992	'KIF15'	17.21	9.2	21.84	6.83	10.75	6.8
56993	'TOMM22'	34.4	31.85	42.92	36.21	21.35	44.39
56994	'CHPT1'	8.67	11.65	14.98	6.69	12.55	8.02
56995	'TULP4'	2.24	1.38	1.61	1.44	1.52	2.57
56996	'SLC12A9'	26.86	22.75	22.84	15.47	16.76	39.23
56997	'COQ8A'	33.11	25.24	21.89	19.76	41.61	24.29
56998	'CTNNBIP1	20.07	21.12	16.89	13.3	23.2	17.53
56999	'ADAMTS9'	0	0	0	0	0.01	0
570	'BAAT'	0.07	0.14	0.11	0.29	0.09	0.16
5700	'PSMC1'	141.37	108.24	140.94	101.16	87.5	135.55
57001	'SDHAF3'	19.46	25.18	37.12	17.7	36.88	23.87
57002	'YAE1'	6.77	7.08	6.81	7.89	15.8	8.1
57003	'CCDC47'	72.63	35.47	40.33	32.66	49.69	42.92
57007	'ACKR3'	0.14	0.42	1.15	0.62	1.26	0.53
5701	'PSMC2'	78.43	56.74	78.92	62.33	54.22	83.36
57010	'CABP4'	0.81	0.87	0.33	1.22	0.94	1.36
57016	'AKR1B10'	0	0	0	0.06	0.08	0.09
57017	'COQ9'	26.92	22.74	27.99	19.44	32.42	34.83
57018	'CCNL1'	363.38	388.4	188.74	397.66	120.27	328.9
57019	'CIAPIN1'	42.85	37.77	45.72	28.57	21.57	44.48
5702	'PSMC3'	170.95	130.84	215.62	148.12	87.45	166.19
57020	'VPS35L'	21.88	14.8	22.38	12.8	26.99	34.09
57026	'PDXP'	34.48	25.52	41.17	18.22	36.39	23.87
57030	'SLC17A7'	0.18	0.17	0.13	0.06	0.31	0.31
57035	'RSRP1'	65.71	65.98	30.07	54.72	54.99	48.6
57037	'ANKMY2'	9.97	10.56	9.2	7.51	15.16	10.81
57038	'RARS2'	18.51	14.82	21.1	17.71	17.53	23
5704	'PSMC4'	145.61	110.94	153.13	101.18	70.84	157.43
57045	'TWSG1'	8.86	10.15	7.44	7.49	11.26	10.42
57047	'PLSCR2'	0.1	0	0	0.12	0.27	0.28
57048	'PLSCR3'	84.92	88.66	142.7	63.18	123.04	180.37
5705	'PSMC5'	178.25	154.89	241.39	148.11	123.1	215.86
57050	'UTP3'	21.14	19.62	29.56	26.6	28.85	39.37
57053	'CHRNA10'	0.92	1.86	1.78	1.77	1.1	0.98
57055	'DAZ2'	0	0	0	0.03	0	0
57057	'TBX20'	0.02	0.06	0	0	0	0.19
5706	'PSMC6'	33.22	24.52	40.27	26.32	25.29	39.19
57060	'PCBP4'	43.93	53.17	30.73	41.74	54.58	60.07
57062	'DDX24'	44.79	32.46	39.45	35.07	54.81	52.17
5707	'PSMD1'	60.47	31.31	68.65	34.89	29.36	57.19
5708	'PSMD2'	151.89	96.91	126.04	86.74	54.33	111.57
57082	'KNL1'	15.24	3.69	6.94	2.93	3.54	3.4
57085	'AGTRAP'	58.99	59.6	97.7	39.89	56.07	113.17
57088	'PLSCR4'	0	0	0.15	0	0.13	0
57089	'ENTPD7'	3.64	1.85	1.76	1.33	1.44	1.45
5709	'PSMD3'	136.07	86.35	128.11	72.09	65.92	110.94
57091	'CASS4'	2.21	3.45	2.63	1.22	1.36	4.52
57092	'PCNP'	145.31	118.46	118.33	133.58	138.53	149.44
57095	'PITHD1'	60.43	59.32	64.32	64.27	54.19	52.8
57096	'RPGRIP1'	0	0	0.04	0.08	0	0.05
57097	'PARP11'	6.06	4.23	4.89	5.73	3.36	7.69

57099	AVEN	22.96	12.33	23.36	14.67	6.61	20.32
571	BACH1	19.09	12.62	8.2	12.22	13.04	20.64
5710	PSMD4	127.08	120.65	200.06	121.74	152.54	179.78
57102	C12orf4	9.89	9.25	9.07	6.2	7.01	11.61
57103	TIGAR	3.53	2.47	3.41	3.56	4.83	8.1
57104	PNPLA2	150.96	115.27	99.91	90	132.67	121.58
57105	CYSLTR2	1.83	2.34	1.18	1.05	1.06	1.31
57106	NAT14	4.65	7.62	8.93	8.27	12.48	10.42
57107	PDSS2	11.88	8.1	8.5	9.03	7.91	9.71
57109	REXO4	35.67	28.13	32.86	29.05	33.64	31.6
5711	PSMD5	18.17	18.69	16.06	13.06	23.62	21.25
57110	PLAAT1	0	0	0	0.12	0	0
57111	RAB25	0	0	0.21	0.2	0.22	0.12
57115	PGLYRP4	0	0	0.06	0	0	0.07
57116	ZNF695	0.45	0.52	0.31	0.37	1.34	0.99
57117	INTS12	33.61	29.03	26.91	27.98	20.85	37.81
57118	CAMK1D	5.41	3.52	3.91	2.52	6.16	4.01
57119	EPPIN	0.07	0.05	0.1	0	0.16	0
57120	GOPC	16.33	11.68	11.76	11.07	18.6	14.79
57121	LPAR5	9.41	5.99	10.45	4.12	17.15	9.41
57122	NUP107	26.75	19.21	29.77	18.94	19.87	22.19
57124	CD248	0.98	0.74	5.44	0.32	9.96	1.13
57125	PLXDC1	0.73	1.49	1.43	3.81	1.68	0.9
57126	CD177	0.79	0.59	1.18	0	0.19	0
57127	RHBG	0	0	0	0.08	0	0
57128	LYRM4	35.45	25.14	41.3	39.71	15.36	27.84
57129	MRPL47	43	36.82	54.85	41.89	19.84	52.21
5713	PSMD7	180.72	141.93	175.09	149.75	87.2	152.99
57130	ATP13A1	64.49	50.78	44.24	38.68	40.81	65.87
57132	CHMP1B	48.72	42.67	35.49	48.95	44.56	54.4
57134	MAN1C1	5.69	6.54	7.21	2.87	16.92	8.68
57136	APMAP	174.33	179.12	128.04	150.82	180.13	126.64
57139	RGL3	0	0	0	0	0.04	0.05
5714	PSMD8	268.48	217.54	258.39	196.17	148.53	229.8
57140	RNPEPL1	113.12	84.98	107.92	68.18	117.94	122.32
57142	RTN4	120.77	88.34	88.44	71.57	96.46	124.65
57143	ADCK1	2.84	2.78	6.17	3.38	2.27	6.14
57146	TMEM159	7.86	7.24	6.6	4.71	15.44	6.58
57147	SCYL3	18.63	13.24	9.23	11.15	17.17	16.46
57148	RALGAPB	29.38	19.71	16.78	20.2	20.94	24.05
57149	LYRM1	46.64	42.61	58.8	42.51	49.4	36.15
5715	PSMD9	34.32	32.43	31.71	38.42	18.31	38.26
57150	SMIM8	2.46	2.48	3.22	1.99	3.59	2.83
57151	LYZL6	0	0	0	0	0.13	0
57153	SLC44A2	106.22	102.26	80.94	83.92	103.59	140.73
57154	SMURF1	15.78	13.12	7.24	9.18	6.35	13.45
57156	TMEM63C	0.14	0.35	0.02	0.13	0.09	0.3
57157	PHTF2	65.96	48.81	49.39	35.74	33.3	62.69
57158	JPH2	0	0.24	0.01	0.13	1.13	0
57159	TRIM54	0.56	0.37	1.03	0.44	0.11	0.12
5716	PSMD10	32.63	24.66	29.8	28.05	34.73	34.3
57161	PELI2	5.94	5.94	2.32	3.27	7.51	3.98
57162	PELI1	65.84	60.74	47.44	33.56	31.42	100.69
57165	GJC2	0.31	0.05	0.37	0.26	0.97	0.38

57167	'SALL4'	0.04	0.13	0	0.02	0.04	0.03
57168	'ASPHD2'	7.64	7.38	5.22	5.2	9.4	7.18
57169	'ZNFX1'	21.91	12.53	13	16.31	27.39	40.82
5717	'PSMD11'	33.97	23.96	33.59	21.22	19.02	34.37
57171	'DOLPP1'	18.84	15.38	15.89	11.52	12.04	20.72
57175	'CORO1B'	24.2	31.19	25.5	26.79	38.01	49.34
57176	'VARS2'	16.97	12.86	14.33	8.6	13.76	16.05
57178	'ZMIZ1'	63.52	28.69	28.54	8.6	25.67	24.25
57179	'KIAA1191	71.46	57.83	34.57	48.64	53.39	60.99
5718	'PSMD12'	21.88	22.03	23.21	17.47	15.29	24.47
57180	'ACTR3B'	3.32	2.49	4.21	3.31	2.2	4.45
57181	'SLC39A1(	7.46	4.04	4.82	4.22	3.7	5.72
57182	'ANKRD50'	0.63	0.21	0.11	0.04	0.16	0.16
57184	'FAM219B'	35.49	26.07	16.94	25.06	30.86	28.72
57185	'NIPAL3'	16.88	11.68	15.02	10.67	15.57	18.06
57186	'RALGAPA2	17.12	9.39	5.34	7.92	10.45	9.01
57187	'THOC2'	23.99	13.79	18.13	12.07	19.85	20.06
57188	'ADAMTSL3	0	0.02	0	0	0	0
57189	'DENND11'	12.31	7.89	4.98	8.16	9.36	6.36
5719	'PSMD13'	120.21	108.6	166.74	102.17	112.24	143.11
57190	'SELENON'	10.56	4.94	3.8	6.97	4.34	8.21
57191	'VN1R1'	0.09	0.34	0.2	0.06	0.35	0.08
57192	'MCOLN1'	28.79	21.33	20.64	19.77	20.53	26.22
57194	'ATP10A'	14.93	12.36	10.9	7.14	15.84	8.96
57198	'ATP8B2'	19.97	14.89	22.33	14.83	39.09	55.98
572	'BAD'	64.06	73.34	59.29	59.53	57.32	66.12
5720	'PSME1'	511.81	551.27	616.18	626.35	401.95	619.33
57205	'ATP10D'	7.26	4.69	4.1	3.18	3.82	5.27
57209	'ZNF248'	3.45	4.08	4.28	3.29	11.95	5.65
5721	'PSME2'	532.31	489.1	891.4	665.16	168.08	773.44
57210	'SLC45A4'	2.16	1.81	1.65	1.87	2.88	3.07
57211	'ADGRG6'	0	0	0.11	0	0.01	0
57213	'SPRYD7'	4.89	5.29	4.65	4.09	6.71	4.78
57214	'CEMIP'	0.07	0	0	0.06	0.03	0
57215	'THAP11'	52.69	44.79	51.53	47.44	50.89	55.03
57216	'VANGL2'	0	0	0.05	0.02	0.02	0.04
57217	'TTC7A'	48.01	29.19	34.54	24.67	25.16	37.35
57221	'ARFGEF3'	0	0.01	0.01	0.04	0.06	0
57222	'ERGIC1'	72.98	59.75	48.6	42.33	125.6	49.95
57223	'PPP4R3B'	60.72	45	36.04	41.76	44.03	46.11
57224	'NHSL1'	0.12	0.07	0.17	0.04	0.08	0.18
57226	'LYRM2'	8.41	5.86	7.45	8.12	6.84	11.37
57228	'SMAGP'	4.48	2.78	7.51	5.4	4.73	10.12
5723	'PSPH'	6.12	2.29	9.96	2.08	5.48	5.32
57231	'SNX14'	43.81	36.05	30.8	19.29	33.35	35.06
57232	'ZNF630'	0.39	0.28	0.24	0.55	1.42	1.02
5724	'PTAFR'	1.1	0.72	1.79	0.91	6.97	0.86
5725	'PTBP1'	441.2	208.45	243.53	217.85	182.36	227.87
5727	'PTCH1'	3.79	4.2	3.48	5.36	5.06	6.98
5728	'PTEN'	22.76	17.4	22.02	16.19	31.12	29.39
57282	'SLC4A10'	22.91	17.46	6.32	25.05	2.18	27.42
5729	'PTGDR'	5.12	7.17	3.66	5.88	6.05	3.81
57292	'KIR2DL5A	0	0	0	24.9	0	0
573	'BAG1'	35.35	26.81	33.06	29.31	20.14	34.84

5730	PTGDS	4.5	10.53	25.56	5.4	14.62	66.77
5731	PTGER1	0.92	0.46	0.46	0.07	0.16	0.09
5732	PTGER2	224.4	220.99	176.87	152.52	311.65	201.63
57325	KAT14	7.91	7.56	7.57	6.18	9.61	9.03
57326	PBXIP1	121.91	119.53	85.53	182.55	183.31	270.07
5733	PTGER3	7.77	2.32	0.84	0.17	0.09	0
57332	CBX8	1.01	1.43	1.48	0.83	2.27	1.92
57333	RCN3	0.19	0.84	0.84	0.56	5.38	1.71
57335	ZNF286A	7.42	6.17	3.76	4.19	6.25	5.73
57336	ZNF287	0.68	0.85	0.55	0.69	1.95	0.98
57337	SENP7	14.43	14.79	9.98	11.19	13.92	18.96
57338	JPH3	0.2	0.17	0.17	0.08	0.13	0.1
5734	PTGER4	221.9	117.81	116.83	127.38	146.87	132.25
57343	ZNF304	7.67	6.76	4.48	4.82	7.34	6.57
57348	TTYH1	0.34	0.45	0.54	0.23	0.26	0.17
57379	AICDA	0.05	0.04	0.57	0.07	0.18	0.45
5738	PTGFRN	0.97	0.63	0.73	0.31	0.29	0.63
57380	MRS2	16.75	12.54	12.24	14.13	15.64	13.37
57381	RHOJ	0	0	0	0.03	0	0
5739	PTGIR	0.2	0.15	0.87	0.07	0.21	1.43
57393	CLTRN	0.43	0.08	0.3	0.61	0.17	0.44
57396	CLK4	25.65	24.77	13.34	27.86	18.78	25.45
5740	PTGIS	7.86	1.9	7.41	2.02	0.82	3.05
57402	S100A14	0	0	0	0	0	0.13
57403	RAB22A	12.12	11.05	9.66	12.38	9.3	12.01
57404	CYP20A1	22.78	15.34	12.93	19.51	9.32	16.34
57405	SPC25	20.94	15.15	35.44	10.5	17	14.18
57406	ABHD6	4.99	4.36	9.01	2.83	9.97	10.21
57407	NMRAL1	35.08	57.37	78.66	48.63	65.99	81.54
57409	MIF4GD	83.17	92.38	111.56	61.25	67.47	102.09
57410	SCYL1	62.89	50.63	53.7	41.21	27	66.17
57412	AS3MT	0.86	0.52	0.36	0.69	3.18	1.28
57413	TMIGD3	0.38	0.67	0.19	0.37	0.14	0.45
57414	RHBDD2	99.58	96.68	81.47	96.3	55.67	100.38
57415	C3orf14	2.81	3.24	5.52	2.73	3.2	7.05
57418	WDR18	38.88	29.09	77.23	29.06	49.8	38.98
57419	SLC24A3	0.13	0	0.58	0.23	0	0.14
5742	PTGS1	0.48	0.57	1.66	0.35	0.74	0.34
5743	PTGS2	2.93	1.03	4.25	0.51	0.63	0.78
5744	PTHLH	0.11	0	0	0	0	0.33
57446	NDRG3	20.38	17.03	19.78	14.13	37.66	31.96
57447	NDRG2	2.22	1.61	0.89	3.71	2.11	2.75
57448	BIRC6	29.67	11.48	9.39	11.41	16.51	16.69
57449	PLEKHG5	1.27	1.02	1	1.24	1.47	2.55
57452	GALNT16	0	0.02	0.03	0.02	0.03	0.02
57453	DSCAML1	0.18	0.25	0.25	0.48	0.39	0.13
57455	REXO1	53.04	32.94	25.49	26.76	19.12	34.43
57456	KIAA1143	12	10.16	11.32	10.07	18.43	14.54
57458	TMCC3	1.47	1.19	0.7	1.87	2.44	2.37
57459	GATAD2B	26.97	12.1	11.91	11.98	11.52	18.29
5746	PTH2R	0	0.21	0.04	0.14	0.24	0.19
57460	PPM1H	0	0.03	0.22	0.01	0	0.04
57461	ISY1	22.77	19.2	23.6	18.17	22.72	21.45
57462	MYORG	4.34	2.41	3.48	2.13	2.57	2.68

57463	'AMIGO1'	0.53	0.46	0.7	0.81	1.95	0.87
57464	'STRIP2'	6.89	4.85	5.86	1.86	4.12	9.05
57465	'TBC1D24'	5.92	3.59	4	2.33	5.71	4.22
57466	'SCAF4'	38.1	19.33	24.42	15.45	24.39	28.32
57468	'SLC12A5'	0.08	0.06	0.02	0.03	0.03	0.04
57469	'PNMA8B'	0.03	0.02	0.1	0.06	0	0.14
5747	'PTK2'	0.27	0.22	0.35	0.38	0.32	0.45
57470	'LRRC47'	21.35	16.7	14.57	17.2	15.99	20.51
57471	'ERMN'	16.65	22.84	11.6	14.71	2.59	23.62
57472	'CNOT6'	15.73	11.55	9.61	10.16	9.53	13.6
57473	'ZNF512B'	8.12	6.08	4.72	5.02	5.65	6.55
57474	'ZNF490'	2.66	2.32	1.46	1.98	3.74	3.4
57475	'PLEKHH1'	0.13	0.06	0.06	0.09	0.17	0.11
57476	'GRAMD1B'	62.96	30.3	25.57	21.57	17.61	38.18
57477	'SHROOM4'	0.01	0.02	0	0.05	0.03	0.03
57478	'USP31'	7.86	3.68	3.58	3.03	1.63	4.5
57479	'PRR12'	16.66	8.04	8.83	7.27	12.91	14.43
57480	'PLEKHG1'	0.51	0.41	0.29	0.33	0.71	1.15
57481	'KIAA121(	0.01	0	0	0	0	0.03
57482	'CRACD'	0.08	0.06	0.11	0	0.1	0.03
57486	'NLN'	3	1.38	3.99	1.34	0.45	2.09
57488	'ESYT2'	87.6	61.18	75.71	40.7	96.13	60.08
57489	'ODF2L'	12.84	12.24	7.89	13.26	9.29	17.97
57491	'AHRR'	7.44	5.04	8.22	1.85	40.17	14.53
57492	'ARID1B'	26.33	12.27	12.48	12.54	16.72	18.31
57493	'HEG1'	19.12	8.11	6.52	5.21	6.61	5.62
57494	'RIMKLB'	0.89	0.69	0.92	1.66	2.01	1.72
57495	'NWD2'	0	0	0	0	0	0.01
57496	'MRTFB'	3.35	2.28	1.41	2.39	2.79	2.81
57497	'LRFN2'	0.09	0	0.1	0.15	0.07	0.08
57498	'KIDINS22	36.31	19.13	15.65	18.87	22.5	22.45
575	'ADGRB1'	0.12	0.15	0.05	0.14	0.19	0.34
57501	'CFAP92'	0.72	0.36	0.32	0.45	0.91	0.29
57504	'MTA3'	4.16	4.18	4.42	2.67	4.43	7.23
57505	'AARS2'	8.72	4.72	7.4	4.52	5.71	7.84
57506	'MAVS'	15.85	8.31	9.57	8.11	12.65	13.82
57507	'ZNF608'	0.64	0.19	0.25	0.1	0.12	0.39
57508	'INTS2'	7.25	4.85	4.24	3.57	3.82	4.92
57509	'MTUS1'	0.58	0.97	0.96	0.15	0.38	0.78
57510	'XPO5'	32.67	13.07	21.76	12.16	16.02	20.14
57511	'COG6'	10.87	8.61	7.32	7.38	15.16	10.04
57513	'CASKIN2'	0.17	0.25	0.41	0.12	0.39	1.15
57514	'ARHGAP31	11.19	3.77	3.96	3	3.05	5.36
57515	'SERINC1'	132.46	84.79	58.88	82.54	113.25	119.79
57519	'STARD9'	11.64	5.72	2.53	3.74	6.81	3.83
57520	'HECW2'	0.36	0.17	0.26	0.24	0.22	0.08
57521	'RPTOR'	17.73	7.48	20.73	8.22	69.78	31.35
57522	'SRGAP1'	0.03	0.01	0.01	0.01	0.02	0.01
57523	'NYNRIN'	0.15	0.12	0.33	0.14	0.36	0.18
57524	'CASKIN1'	0.02	0.08	0.06	0.04	0.67	0.02
57528	'KCTD16'	0	0	0.02	0.01	0.08	0
57529	'RTL9'	0	0	0	0	0	0.02
5753	'PTK6'	0.44	0.33	0.55	0.28	1.03	1.36
57530	'CGN'	0.07	0.02	0.2	0.07	0.17	0.43

57531	'HACE1'	11.93	10.18	8.14	6.92	12.69	8.64
57532	'NUFIP2'	29.06	15.88	10.72	18.73	18.18	17.57
57533	'TBC1D14'	60.73	35.56	42.27	33.28	54.9	54.8
57534	'MIB1'	21.99	16.4	9.16	10.17	20.29	17.67
57535	'ELAPOR1'	1.92	1.13	0.44	0.88	4.87	0.79
57536	'KIAA1328	2.73	1.84	2.28	2.45	2.72	3.07
57537	'SORCS2'	0	0.03	0.09	0	0.09	0.07
57538	'ALPK3'	0.18	0.06	0.09	0.06	0.05	0.21
57539	'WDR35'	4.21	3.81	2.36	3.53	1.62	2.92
5754	'PTK7'	0.21	0.13	0.3	0	0.05	0.12
57540	'DISP3'	0.14	0.16	0.18	0.04	0.35	0.27
57541	'ZNF398'	11.38	5.55	4.74	8.18	8.19	8.24
57542	'KLHL42'	7.39	5.74	4.44	4.54	3.4	4.66
57544	'TXNDC16'	11.49	7.47	5.05	6.02	7.51	5.19
57545	'CC2D2A'	0.35	0	0	0.06	0.07	0.4
57546	'PDP2'	7.93	4.75	3.26	5.47	5.98	4.94
57547	'ZNF624'	3.81	2.78	1.46	2.95	3.49	2.65
57549	'IGSF9'	0	0	0	0.02	0.02	0.04
57551	'TAOK1'	23.56	10.53	8.29	10.56	13	14.57
57552	'NCEH1'	8.32	5.82	6.68	3.79	5.96	6.11
57553	'MICAL3'	13.71	7.13	5.3	4.86	7.22	6.92
57554	'LRRC7'	0.13	0.05	0.06	0.07	0.05	0.05
57555	'NLGN2'	2.49	2.9	1.37	1.79	4.68	2.27
57556	'SEMA6A'	0.46	0.25	0.15	0.32	0.22	0.22
57558	'USP35'	10.11	7.32	5.99	5.9	5.97	9.41
57559	'STAMBPL1	19.64	16.07	17.8	15.26	67.14	23.06
5756	'TWF1'	43.22	32.29	24.91	33.5	16.74	41.09
57560	'IFT80'	8.3	7.93	9.97	6.47	23.2	14.72
57561	'ARRDC3'	51.88	29.09	18.88	51.22	15.73	94.22
57562	'CEP126'	0.75	0.75	0.25	0.51	0.76	0.24
57563	'KLHL8'	4.99	4.02	3.97	3.27	3.82	3.48
57565	'KLHL14'	0	0	0.04	0.02	0	0.15
57567	'ZNF319'	21.07	12.07	9.21	10.06	14.52	13.78
57568	'SIPA1L2'	0.4	0.43	0.36	0.52	0.52	2.37
57569	'ARHGAP2(	0.03	0	0.02	0	0	0
5757	'PTMA'	2026.8	1611.3	2470.9	1561.08	1708.84	1608.41
57570	'TRMT5'	1.07	0.72	2.09	1.11	2.81	2.39
57571	'CARNS1'	3.48	2.77	1.34	1.62	1.31	2.78
57572	'DOCK6'	0.04	0.01	0.03	0.14	0.1	0.07
57573	'ZNF471'	0.4	0.15	0.16	0.17	0.14	0.35
57574	'MARCHF4'	0	0	0	0.02	0	0
57575	'PCDH10'	0.03	0	0	0	0	0.02
57576	'KIF17'	0.03	0	0.02	0	0.02	0.06
57577	'CCDC191'	1.17	2.08	1.28	1.84	3.03	3.64
57578	'UNC79'	0	0	0.01	0	0	0
57579	'FAM135A'	2.88	3.18	1.39	1.57	1.93	2.57
57580	'PREX1'	162.63	106.94	118.65	69.25	130.35	156.46
57582	'KCNT1'	0	0.02	0	0.04	0.58	0
57583	'TMEM181'	32.63	18.78	13.82	18.92	24.41	20.2
57584	'ARHGAP21	17.62	11.57	9.49	7.2	10.79	13.6
57585	'CRAMP1'	19.54	10.55	8.29	7.78	9.71	14.79
57586	'SYT13'	0	0	0	0	0.02	0
57587	'CFAP97'	13.35	7.82	9.37	10.41	15.06	19.88
57589	'RIC1'	21.65	11.47	9.56	9.31	15.64	13.41

57590	'WDFY1'	30.89	21.11	14.98	21.95	32.24	27.54
57591	'MRTFA'	27.91	22.2	21.33	14.61	18.38	31.38
57592	'ZNF687'	29.97	22	16.17	15.03	23.25	23.53
57593	'EBF4'	1.35	1.14	0.5	1.11	1.38	0.63
57594	'HOMEZ'	0.7	0.6	1.76	0.51	4.71	1.54
57595	'PDZD4'	1.88	2.47	1	2.38	2.78	2.41
57596	'BEGAIN'	0	0.01	0.04	0.27	0.11	0.21
57597	'BAHCC1'	0.56	0.53	0.23	0.1	0.28	0.32
57599	'WDR48'	27.91	21.12	15.12	17.94	19.9	23.6
576	'ADGRB2'	0.23	0.26	0.07	0.26	0.31	0.16
57600	'FNIP2'	23.24	9.12	7.46	6.38	15.51	6.72
57602	'USP36'	42.92	23.01	18.27	21.05	20.31	32.14
57604	'TRMT9B'	0.01	0	0.01	0.01	0	0
57605	'PITPNM2'	6.78	5.05	2.67	3.32	4.34	2.74
57606	'SLAIN2'	36.96	25.5	23.59	20.84	26.46	34.09
57608	'JCAD'	0.01	0.01	0.02	0	0	0.01
57609	'DIP2B'	14.52	7.69	5.87	6.61	5.44	8.22
57610	'RANBP10'	18.88	10.63	8.74	8.45	10.41	13.75
57611	'ISLR2'	0.05	0	0	0	0	0
57613	'FAM234B'	0.92	0.74	1.1	1.15	2.65	1.28
57614	'RELCH'	16.04	11.28	8.16	11.23	10.94	13.36
57615	'ZNF492'	0.33	0.19	0.44	0.11	0.21	0.23
57616	'TSHZ3'	0.69	0.65	0.46	0.62	2.45	1.55
57617	'VPS18'	24.7	16.91	13.7	16.44	15.4	23.08
57619	'SHROOM3'	0	0.02	0.01	0	0	0.03
57620	'STIM2'	30.78	24.38	19.7	25.51	24.97	30.19
57621	'ZBTB2'	59.96	44.65	30.95	43.23	31.3	66.43
57622	'LRFN1'	4.43	4.2	3.58	3.42	6.87	5.32
57623	'ZFAT'	5.87	2.63	3.72	3.18	2.85	5.64
57624	'NYAP2'	0.03	0.03	0.04	0.05	0.14	0.18
5763	'PTMS'	127.81	108.42	145.52	182.35	86.6	240
57630	'SH3RF1'	0.15	0	0.05	0.07	0.08	0.06
57633	'LRRN1'	0.04	0	0.02	0	0	0.04
57634	'EP400'	23.93	10.59	10.19	9.36	11.25	12.78
57636	'ARHGAP23	0.49	0.3	0.3	0.09	0.02	0.41
57639	'CCDC146'	2.6	3.19	2.88	2.15	8.41	6.89
5764	'PTN'	0	0	0	0	0.06	0.08
57642	'COL20A1'	0	0	0	0	0	0.01
57643	'ZSWIM5'	0.24	0.1	0.13	0.35	0.57	0.39
57644	'MYH7B'	0.02	0.14	0.05	0.06	0.09	0.04
57645	'POGK'	31.08	16.53	19.47	19.93	16.39	21.84
57646	'USP28'	14.5	13.17	10.77	10.01	27.44	16.13
57647	'DHX37'	27.58	16.27	13.32	14.96	9.7	16.22
57648	'KIAA1522	0.49	0.15	0.44	0.17	0.5	0.3
57649	'PHF12'	66.4	46.61	36.95	36.35	59.1	53.59
57650	'CIP2A'	14.55	6.88	14.31	4.77	6.94	8.01
57654	'UVSSA'	9.96	9.65	4.96	5.39	7.16	9.74
57655	'GRAMD1A'	55.37	68.74	72.05	38.78	114.68	66.23
57657	'HCN3'	2.23	2.51	2.27	1.82	6.37	3.16
57658	'CALCOCO1	38.24	44.63	25.42	28.26	115.03	62.31
57659	'ZBTB4'	25.77	14.57	11.86	14.65	31.05	25.8
57661	'PHRF1'	31.24	21.39	24.1	15.3	36.73	23.47
57662	'CAMSAP3'	1.25	0.97	0.07	0.15	0.26	0.27
57664	'PLEKHA4'	1.14	1.06	1.17	1.3	5.87	3.6

57665	'RDH14'	21.03	21.01	16.37	22.08	21.72	22.16
57666	'FBRSL1'	28.11	20.33	18.18	13.87	23.71	26.87
57669	'EPB41L5'	1.29	1.74	0.61	0.96	1.43	1.72
57670	'KIAA154	0.13	0.07	0.06	0.03	0.19	0.02
57673	'BEND3'	1.48	0.81	1.18	0.81	0.69	1.82
57674	'RNF213'	286.91	116.92	109.16	94.79	162.37	279.49
57677	'ZFP14'	0.72	0.8	0.46	0.92	2.39	0.7
57678	'GPAM'	5.35	4	2.44	2.96	1.94	2.55
57679	'ALS2'	7.89	7.14	7.03	6.17	6.97	12.41
5768	'QSOX1'	46.49	34.77	23.79	25.59	27.04	29.34
57680	'CHD8'	38.28	22.42	19.9	17.04	22.65	26.63
57683	'ZDBF2'	1.07	0.75	0.62	0.75	3.6	2.45
57684	'ZBTB26'	4.63	2.64	2.18	3.94	7.73	4.34
57685	'CACHD1'	0.09	0.05	0.07	0.03	0.05	0
57687	'VAT1L'	0	0	0	0	0	0.03
57688	'ZSWIM6'	8.49	6.49	4.33	6.67	7.76	6.92
57690	'TNRC6C'	10.11	4.96	2.82	5.17	5.85	5.94
57691	'KIAA158	7.63	4.03	4.56	3.84	8.46	7.55
57692	'MAGEE1'	2.37	1.67	1.04	1.89	3	1.53
57693	'ZNF317'	44.53	33.91	19.05	29.78	28.06	27.77
57695	'USP37'	14.43	4.9	4.47	4.81	8.43	4.69
57696	'DDX55'	31.81	19.27	23.71	20.98	15.44	19.84
57697	'FANCM'	4.97	3.33	2.71	2.52	2.57	2.71
57698	'SHTN1'	0.08	0.05	0.01	0.06	0.05	0.05
57699	'CPNE5'	3.61	4.22	4.73	3.77	4.36	12.95
5770	'PTPN1'	75.18	51.07	51.54	45.62	59.26	73.63
57700	'FAM160B1	18.66	13.81	8.56	13.96	17.02	18.47
57701	'NCKAP5L'	0.78	0.61	0.85	0.72	0.8	0.94
57703	'CWC22'	19.32	17.28	16.73	13.71	19.71	18.82
57704	'GBA2'	41.72	30.38	30.96	25.35	30.66	35.86
57705	'WDFY4'	0.69	0.19	0.62	0.24	0.25	1.85
57706	'DENND1A'	15.66	10.93	9.03	8.9	11.74	11.3
57707	'MEAK7'	1.17	2.49	2.5	1.21	16.79	4.61
57708	'MIER1'	48.61	48.07	37.87	36.02	38.56	55.51
57709	'SLC7A14'	0.03	0.01	0	0.01	0.03	0.03
5771	'PTPN2'	104.54	95.65	93.94	101.97	87.7	115.27
57710	'KIAA1614	0.4	0.15	0.24	0.12	0.59	0.39
57711	'ZNF529'	5.86	6.19	3.74	5.96	6.34	5.33
57713	'SFMBT2'	59.46	39.8	20.68	39.32	30.05	39.79
57715	'SEMA4G'	0.36	0.37	0.42	0.3	0.8	0.65
57716	'PRX'	0.85	0.62	0.36	0.39	0.66	0.94
57717	'PCDHB16'	0.03	0	0	0	0	0
57718	'PPP4R4'	0.26	0.13	0	0.03	0.79	0.07
57719	'ANO8'	8.53	10.1	6.97	4.19	12.29	14.57
57720	'GPR107'	27.72	15.69	13.46	12.92	14.5	16.09
57721	'METTL14'	14.69	13.44	12.02	12.15	14.86	17.05
57722	'IGDCC4'	0.06	0.1	0.01	0.04	0.05	0.02
57724	'EPG5'	16.86	5.85	3.98	10.52	7.27	10.22
57727	'NCOA5'	37.54	29.02	25.64	21.01	26.85	35.28
57728	'WDR19'	4.49	2.41	2.27	2.93	6.26	6.3
57730	'ANKRD36B	15.52	9.5	8.17	7.51	8.19	13.67
57731	'SPTBN4'	0	0.01	0.03	0.02	0.16	0.03
57732	'ZFYVE28'	21.39	17.94	16.14	13.87	36.42	34.9
5774	'PTPN3'	2.11	0.4	0.98	0.13	0.98	0.25

5775	PTPN4	20.01	19.04	11.26	15.37	28.71	22.27
57758	SCUBE2	0.06	0.04	0	0.02	0	0
57761	TRIB3	30.36	15.1	23.48	11.05	30.27	19.66
57763	ANKRA2	18.29	18.6	14.34	19.45	30.17	30.5
5777	PTPN6	134.49	160.63	220.54	125.02	131.03	168.47
5778	PTPN7	370.92	231.73	221.83	169.02	138.48	228.04
57786	RBAK	15.41	9.95	7.45	9.47	12.53	10.63
57787	MARK4	22.3	24.68	17.13	14.47	38.76	24.44
57794	SUGP1	44.55	38.1	41.8	32.08	48.4	50.52
57798	GATAD1	10.68	6.92	6.8	6.63	9.85	7.88
57799	RAB40C	11.84	9.27	10.14	9.17	18.14	12.19
578	BAK1	69.26	60.79	61.33	46.74	36.88	79.42
5780	PTPN9	31.25	22.48	19.33	26.55	14.99	31.32
57801	HES4	0	0	0.13	0	0.15	0.66
57804	POLD4	30.49	49.74	47.25	37.44	92.76	59.71
57805	CCAR2	75.49	57.33	63.67	45.8	49.15	58.93
5781	PTPN11	33.34	20.55	26.98	17.08	21.61	30.13
57817	HAMP	0	0	0	0	0	0.69
57818	G6PC2	0	0.03	0	0	0	0
57819	LSM2	55.57	73.68	137.94	69.51	108.48	101.7
5782	PTPN12	38.68	35.47	29.9	27.88	33.37	35.38
57820	CCNB1IP1	40.14	50.91	44.72	46.47	48.4	35.21
57821	CCDC181	0	0.22	0.05	0.05	0.22	0.13
57822	GRHL3	0	0	0.04	0	0	0.04
57823	SLAMF7	201.95	122.38	79.95	208.06	103.3	133.22
57824	HMHB1	0.96	0.72	4.16	1.32	0	0
57826	RAP2C	42.91	32.61	23.86	30.74	27.32	39.12
57827	C6orf47	17.56	16.15	17.55	14.02	32.02	25.17
57828	CATSPERG	0.07	0.13	0.13	0.07	0.11	0.09
5783	PTPN13	0.3	0.24	0.16	0.19	0.16	3.73
57830	KRTAP5-8	0	0.19	0.09	0.09	0	0.22
57834	CYP4F11	0	0	0.03	0	0	0
57835	SLC4A5	1.26	0.73	0.42	0.84	1.76	1.2
5784	PTPN14	0.03	0.07	0.01	0.04	0.15	0.05
5786	PTPRA	72.82	52.68	48.89	43.29	61.84	71.39
57862	ZNF410	38.54	32.07	31.51	31.18	30.65	45.07
57863	CADM3	0.05	0	0	0	0	0
57864	SLC46A2	0	0.04	0.04	0.04	0	0.19
5787	PTPRB	0.03	0.01	0.04	0.01	0.11	0.07
5788	PTPRC	499.12	291.51	270.15	273.76	330.71	446.08
5789	PTPRD	0	0	0.02	0	0	0
579	NKX3-2	0	0.04	0	0	0	0
5790	PTPRCAP	1020.7	1402.2	1589.2	1155.6	2056.89	2182.1
5791	PTPRE	44.2	28.74	12.55	22.15	12.85	31.94
5792	PTPRF	0.04	0.05	0	0.04	0.45	0.08
5793	PTPRG	0.17	0.02	0.1	0	0.04	0.39
5795	PTPRJ	40.66	25.3	24.52	24.66	23.74	38.51
5796	PTPRK	0.89	0.7	0.88	1.9	0.52	0.52
5797	PTPRM	4.58	4.21	3.43	7.58	3.7	9.44
5798	PTPRN	0.12	0	0	0	0.3	0.07
5799	PTPRN2	5.6	6.26	7.28	4.35	9.28	7.73
58	ACTA1	0.38	0.22	0	0.13	0.07	0.08
580	BARD1	11.64	9.51	11.66	6.79	7.52	8.48
5800	PTPRO	0.49	0.51	0.22	0.48	0.66	0.77

5801	'PTPRR'	0	0.04	0.3	0	0.58	0.22
5802	'PTPRS'	0.1	0	0.08	0.06	0	0.18
5805	'PTS'	15.84	24.39	18.48	19.08	5.25	19.4
5806	'PTX3'	0	0.05	0.05	0	0.06	0.13
581	'BAX'	393.48	431.71	587.87	363.18	594.16	624.67
5810	'RAD1'	11.5	8.01	8.44	8.3	8.1	7.12
5813	'PURA'	4.51	3.17	3.89	3.81	6.01	5.39
5814	'PURB'	20.13	9.73	12.14	8.15	9.72	13.38
58155	'PTBP2'	15	17.95	13.21	11.38	7.58	16.71
58157	'NGB'	0.07	0	0	0	0	0
5816	'PVALB'	0	0	0	0.29	0	0
5817	'PVR'	5.81	2.55	4.05	0.83	2.15	2.3
5818	'NECTIN1'	2	1.4	1.96	0.73	1.26	1.16
58189	'WFDC1'	0	0	0.26	0	0.18	0.6
5819	'NECTIN2'	1.27	0.3	0.89	0.55	0.25	1
58190	'CTDSP1'	154.25	113.43	157.6	112.1	266.23	170.9
58191	'CXCL16'	1.96	1.05	1.83	2.09	3.83	1.55
582	'BBS1'	5.45	4.85	4.32	4.28	7.85	4.98
5822	'PWP2'	0.31	0.58	1.95	0.25	8.82	0.75
5824	'PEX19'	24.72	23.24	23.82	16.6	26.59	36.44
5825	'ABCD3'	17.42	16.43	17.28	15.33	13.28	15.06
5826	'ABCD4'	27.22	27.46	23.28	19.09	25.19	29.99
5827	'PXMP2'	23.46	21.27	31.37	14.34	28.97	11.34
5828	'PEX2'	36.62	30.54	27.34	26.29	24.2	19.9
5829	'PXN'	286.05	190.84	228.5	128.02	203.1	267.02
583	'BBS2'	4.42	4.34	4.55	4.74	11.44	5.32
5830	'PEX5'	10.45	7.83	8.33	7.06	10.54	10.86
5831	'PYCR1'	15.6	6.74	35.14	4.09	10.1	11.26
5832	'ALDH18A1	27.99	18.05	31.61	18.81	20.98	24.49
5833	'PCYT2'	17.81	13.06	19.05	12.42	8.21	19.78
5834	'PYGB'	42.42	24.38	23.22	20.13	28.48	31.61
5836	'PYGL'	0.14	0.11	2.85	0.17	0	0.45
5837	'PYGM'	3.76	4.95	4.16	2.98	1.56	3.67
58472	'SQOR'	115.69	80.24	136.6	101.13	75.22	146.31
58473	'PLEKHB1'	5.92	8.05	8.05	10.02	15.08	16.23
58475	'MS4A7'	0.09	0.04	0.1	0.41	0.07	0.12
58476	'TP53INP2	14.89	13.42	12.19	10.7	7.25	30.94
58477	'SRPRB'	25.2	18	23.98	21.11	16.57	23.61
58478	'ENOPH1'	40.55	28.94	35.5	29.19	27.78	35.39
58480	'RHOU'	7.17	4.21	5.95	3.41	6.88	6.11
58484	'NLRC4'	0	0.16	0.39	0.07	0.32	0.28
58485	'TRAPPC1'	460.48	518.4	604.67	448.36	443.95	491.96
58486	'ZBED5'	36.22	23.08	23.18	32.45	39.67	40.46
58487	'CREBZF'	39.85	19.57	22.29	23.31	49.65	30.45
58488	'PCTP'	21.45	20.81	18.19	13.34	19.51	14.44
58489	'ABHD17C'	2.58	3.69	5.14	2.28	2.98	3.2
58490	'RPRD1B'	22.16	23.35	16.27	13.66	12.91	16.54
58491	'ZNF71'	6.49	4.85	3.42	4.1	5.74	3.97
58492	'ZNF77'	2.65	3.26	2.56	2.52	2.74	2.45
58493	'INIP'	13.86	9.81	14.69	10.12	14.3	11.99
58494	'JAM2'	0.08	0.12	0.08	0.11	0.39	0.55
58495	'OVOL2'	0	0	0	0	0.11	0
58496	'LY6G5B'	93.97	75.32	37.51	50.59	41.21	35.15
58497	'PRUNE1'	13.28	9.54	11.39	11	20.8	14.78

58499	'ZNF462'	0.03	0.03	0.02	0.09	0.01	0.11
585	'BBS4'	9.59	10.58	7.61	5.38	14.33	9.2
58500	'ZNF250'	1.89	1.41	1.59	2.13	3.8	2.18
58504	'ARHGAP22	0.23	0.46	0.28	0.38	0.24	0.49
58505	'OSTC'	136.7	125.49	127.46	143.73	148.18	112.83
58506	'SCAF1'	45.81	30.06	28.25	23	42.29	37.16
58508	'KMT2C'	27.45	12.16	6.52	9.54	14.58	11.85
58509	'CACTIN'	26.89	20.85	17.75	15.13	16.23	22.09
58512	'DLGAP3'	0.8	0.66	0.72	0.88	0.88	2.37
58513	'EPS15L1'	70.12	37.24	33.29	33.06	34.62	40.44
58515	'SELENOK'	64.88	69.49	79.79	67.34	71.06	114.71
58516	'SINHCAF'	34.36	24.9	32.87	25.84	33.63	33.87
58517	'RBM25'	64.6	51.31	44.05	49.06	36.1	49.11
58525	'WIZ'	29.68	16.22	17.79	11.42	16.66	22.95
58526	'MID1IP1'	39.08	24.51	35.69	22.57	18.08	35
58527	'ABRACL'	166.42	164.11	223.78	197.89	146.9	216.57
58528	'RRAGD'	1.1	0.78	1.37	2.36	15.17	2.89
58529	'MYOZ1'	0	0	0	0.08	0	0
58533	'SNX6'	53.63	43.54	47.02	53.66	47.98	75.86
58538	'MPP4'	0	0.04	0.08	0	0	0.1
5858	'PZP'	0.02	0.04	0.02	0.06	0.08	0
5859	'QARS1'	164.24	149.81	129.11	104.41	127.49	106.9
586	'BCAT1'	8.3	4.24	9.57	1.61	12.96	2.75
5860	'QDPR'	20.15	17.6	25.19	15.34	19.04	23.52
5861	'RAB1A'	41.65	39.26	57.69	36.78	64.44	65.27
5862	'RAB2A'	35.94	29.46	28.01	33.02	27.68	38.31
5863	'RGL2'	17.01	22.99	16.33	12.56	25.61	21.25
5864	'RAB3A'	0.48	0.29	0.57	0.74	2.83	1
5865	'RAB3B'	0.6	0.31	0.3	0.35	0.36	0.27
5867	'RAB4A'	15.11	15.7	15.92	15.09	16.92	12.88
5868	'RAB5A'	52.23	41.49	35.65	31.9	49.19	60.25
5869	'RAB5B'	43.16	31	41.08	28.97	73.91	64.87
587	'BCAT2'	20.35	19.81	38.06	13.15	27.78	30.89
5870	'RAB6A'	84.51	62.04	68.62	56.53	96.04	80.88
5871	'MAP4K2'	22.41	22.71	29.09	14.41	27.58	40.69
5872	'RAB13'	9.22	7.08	6.71	5.95	4.07	3.2
5873	'RAB27A'	70.4	47.57	58.14	59.62	75.9	69.31
5874	'RAB27B'	0.72	1.62	1.44	0.82	0.43	0.56
5875	'RABGGTA'	32.31	29.46	29.74	25.02	34.81	40.87
5876	'RABGGTB'	62.21	55.08	46.96	72.91	30.72	62.94
5877	'RABIF'	25.76	18.94	18.91	20.22	18.06	23.99
5878	'RAB5C'	256.71	204.05	221.84	198.23	171.08	265.93
5879	'RAC1'	272.79	177.69	211.59	181.54	135.54	214.66
5880	'RAC2'	1961.3	1551.1	2091.3	1210.37	2130.23	1950.89
5881	'RAC3'	6.36	11.94	9.01	6.8	10.49	6.5
5883	'RAD9A'	31.61	27.67	27.73	26.71	38	35.27
5884	'RAD17'	26.48	24.68	24.45	22.81	23.78	30.65
5885	'RAD21'	186.63	97.94	189.38	83.41	125.74	109.42
5886	'RAD23A'	196.77	158.59	202.63	125.54	118.48	174.14
5887	'RAD23B'	85.33	46.04	56.78	52.58	60.47	68.01
5888	'RAD51'	20.34	11.6	38.81	11.46	18.98	15.08
5889	'RAD51C'	35.93	38.93	73.57	30.43	46.24	34.55
5890	'RAD51B'	6.74	4.24	7.49	4.1	6.13	5.48
5891	'MOK'	5.78	5.61	1.22	7.91	1.11	0.97

5892	'RAD51D'	10.72	6.02	9.05	5.53	5.89	6.71
5893	'RAD52'	3.92	2.3	2.79	2.62	4.61	4.27
5894	'RAF1'	109.64	78.43	61.54	67	67.13	76.43
5896	'RAG1'	0.07	0.06	0.01	0.1	0.16	0.11
5898	'RALA'	38.1	23.4	26.89	33.07	29.72	29.26
58985	'IL22RA1'	0.09	0	0.03	0	0.04	0.12
58986	'PGAP6'	49.3	37.94	42.84	39.44	56.59	44.88
5899	'RALB'	48.22	36.38	64.52	36.46	49.49	73.27
59	'ACTA2'	21.28	20.02	16.99	12.01	98.51	39.41
590	'BCHE'	0.05	0	0	0	0	0
5900	'RALGDS'	179.43	84.07	78.1	100.28	138.62	101.68
5901	'RAN'	197.28	142	332.57	163.81	116.5	193.82
5902	'RANBP1'	255.41	184.43	393.28	238.03	116.68	212.92
5903	'RANBP2'	31.24	15.37	13.08	14.31	18.2	23.9
5905	'RANGAP1'	81.89	47.17	90.03	47.37	31.58	65.42
5906	'RAP1A'	66.88	63.05	60.86	70.99	72.51	96.21
59067	'IL21'	0.04	0	0.06	0.03	0	0.64
5908	'RAP1B'	75.02	55.3	63.41	56.18	44.97	85.39
59084	'ENPP5'	0.61	0.53	0.62	0.93	1.62	0.79
5909	'RAP1GAP'	0.31	0.12	0.18	0.23	0.27	0.18
5910	'RAP1GDS1	35.12	31.36	35.32	20.92	30.6	34.81
5911	'RAP2A'	25.83	17.33	18.19	18.99	32.56	15.24
5912	'RAP2B'	19.03	15.24	21.48	14.19	39.02	32.27
5913	'RAPSN'	0.43	0.66	0.66	0.55	0.44	0.78
5914	'RARA'	91.4	40.39	38.04	56.41	59.05	116.16
5915	'RARB'	0.05	0.08	0.08	0.04	0.04	0.04
5916	'RARG'	42.91	39.48	37.14	39.03	19.3	74.88
5917	'RARS1'	34.77	28.71	42.84	27.67	28.86	43.65
5918	'RARRES1'	0	0.14	0.28	0	0	0
5919	'RARRES2'	0	0	0.21	0	0	0
5920	'PLAAT4'	32.34	56.38	136.9	99.62	104.57	102.2
5921	'RASA1'	39.56	40.19	26.6	22.63	17.6	29.87
5922	'RASA2'	55.53	48.03	35.84	38.16	25.41	46.34
5923	'RASGRF1'	0.02	0.02	0.11	0.02	0.1	0.29
5924	'RASGRF2'	12.98	5.11	2.98	7.17	3.42	4.21
5925	'RB1'	54.4	31	27.67	19.9	34.97	50.21
5926	'ARID4A'	14.74	11.72	9.37	10.82	20.71	16.66
59269	'HIVEP3'	3.35	1.84	2.8	2.06	2.07	5.09
5927	'KDM5A'	24.22	13.02	9.64	14.01	15.24	14.15
59271	'EVA1C'	4.23	5.21	4.51	10.06	7.68	11.35
59272	'ACE2'	0	0	0	0	0	0.04
59274	'TLNRD1'	26.5	14.39	26.85	11.95	14.53	22.29
59277	'NTN4'	0.08	0.12	0.21	0.14	0.19	2.35
5928	'RBBP4'	43.85	26.94	36.09	28.53	40.06	30.77
59283	'CACNG8'	0	0	0.03	0	0	0
59285	'CACNG6'	0	0	0.06	0	0	0
59286	'UBL5'	453.7	653.75	691.81	568.68	372.15	501.61
5929	'RBBP5'	12.52	7.88	6.85	7.36	7.97	8.64
593	'BCKDHA'	77.42	72.99	58.08	46.66	107.74	64.18
5930	'RBBP6'	53.45	43.53	29.76	42.88	29.68	45.88
59307	'SIGIRR'	80.03	102.07	93.64	67.54	144.12	101.8
5931	'RBBP7'	130.08	84.62	129.35	80.37	86.35	91.59
5932	'RBBP8'	39.35	18.97	38.83	14.67	24.66	20.43
5933	'RBL1'	27.87	11.2	16.49	10.8	12.97	14.12

59335	'PRDM12'	0.05	0.24	0	0.07	0.12	0.05
59336	'PRDM13'	0.16	0.16	0.34	0.14	0.03	0.11
59338	'PLEKHA1'	5.85	5.91	3.1	8.1	13.75	10.09
59339	'PLEKHA2'	24.6	15.12	20.8	15.91	39.04	21.89
5934	'RBL2'	87.85	89.23	77.8	72.68	133.06	122.21
59340	'HRH4'	0.04	0	0.28	0.05	0.03	0.03
59341	'TRPV4'	0	0	0	0	0	0.04
59342	'SCPEP1'	62.29	55.86	53.93	39.88	35.94	47.05
59343	'SENP2'	19.03	15.23	11.77	12.99	13.27	17.31
59344	'ALOXE3'	0.04	0	0	0	0	0.04
59345	'GNB4'	6.97	1.78	3.03	1.3	1.32	1.76
59348	'ZNF350'	14.43	15.94	9.01	13.69	13.98	17.59
59349	'KLHL12'	17.47	15.46	15.35	11.69	18.63	16.4
5935	'RBM3'	421.54	340.63	288.82	396.07	116.83	239.76
59350	'RXFP1'	0	0	0	0.03	0	0.03
59352	'LGR6'	0.25	0.47	0.11	1.67	0.71	0.74
59353	'TMEM35A'	0	0.05	0	0	0	0
5936	'RBM4'	99.25	91.64	84.49	86.74	97.85	103.63
5937	'RBMS1'	39	28.02	30.15	36.31	29.2	44.44
5939	'RBMS2'	0.69	0.54	1.89	2.46	2.3	1.54
594	'BCKDHB'	13.3	12.43	12.25	10.27	14.98	11.72
5947	'RBP1'	0	0	0	0.38	0	0
594855	'CPLX3'	0.2	0.2	0.05	0.28	0	1.48
595	'CCND1'	0.18	0.13	0.15	0.17	0.14	0.31
5954	'RCN1'	27.51	22.68	26.63	16.23	17.28	19.98
5955	'RCN2'	14.23	14.37	15.83	13.26	11.72	12.08
5957	'RCVRN'	0.11	0.04	0	0.15	0	0.05
5959	'RDH5'	3.8	5.19	4.15	5.32	8.34	2.54
596	'BCL2'	153.22	85.93	56.66	81.81	123.79	89.16
5961	'PRPH2'	0.09	0.03	0.13	0.03	0	0.08
5962	'RDX'	20.46	11.05	10.65	8.83	12.77	13
5965	'RECQL'	59.81	29.17	46.79	36.57	48.65	50.63
5966	'REL'	36.03	21.08	14.21	17.74	23.06	28.52
597	'BCL2A1'	6.15	10.78	21.48	15.13	7.99	15.82
5970	'RELA'	154.07	100.95	86.87	94.44	117.85	151.6
5971	'RELB'	94.08	67.15	38.02	83.17	44.86	86.58
5973	'RENBP'	16.03	8.15	21.97	16.37	20.03	37.84
5976	'UPF1'	65.3	36.28	31.07	30.97	37.31	41.12
5977	'DPF2'	42.04	29.06	28.84	30.5	50.97	49.31
5978	'REST'	15.71	10.14	6.15	9.29	11.37	14.12
5979	'RET'	0.08	0.07	0.09	0.09	0.3	0.2
598	'BCL2L1'	214.82	159.6	160.58	140.72	133.82	218.31
5980	'REV3L'	8.48	4.05	4.24	4.1	6.69	8.53
5981	'RFC1'	33.52	20.07	27.3	17.12	28.39	26.37
5982	'RFC2'	47.41	36.74	84.23	29.9	43.78	37.01
5983	'RFC3'	31.84	16.05	26.8	14.64	21.78	11.79
5984	'RFC4'	42.21	34.44	79.83	26.33	42.53	38.94
5985	'RFC5'	31.37	17.13	33.56	15.81	25.21	15.52
5986	'RFNG'	30.09	37.44	31.86	19.01	41.41	36.92
5987	'TRIM27'	32.43	21.29	25.42	22.61	31.43	27.44
5988	'RFPL1'	0.49	0.22	0.29	0.27	0.76	0.65
5989	'RFX1'	14.56	7.86	6.57	12.43	8.97	10.63
599	'BCL2L2'	9.87	5.28	3.63	3.81	5.16	2.45
5990	'RFX2'	3.11	1.55	3.14	1.83	3.56	1.92

5991	'RFX3'	2.16	2.02	1.62	2.23	2.23	3.14
5992	'RFX4'	0	0	0	0	0	0.03
5993	'RFX5'	55.65	33.84	50.71	26.38	25.58	56.41
5994	'RFXAP'	25.37	16.75	12.74	16.94	14.57	8.93
5996	'RGS1'	515.67	547.7	495.55	457.76	167.51	1050.38
5997	'RGS2'	40.2	50.06	50.15	57.94	40.3	97
5998	'RGS3'	12.56	14.38	11.82	16.65	19.93	9.92
60	'ACTB'	4928.1	3214.5	8582.3	2356.18	3992.49	5645.79
6001	'RGS10'	90.91	121.83	179.31	170.01	196.6	148.65
6002	'RGS12'	4.98	4.88	4.07	2.65	4.93	5.03
6003	'RGS13'	0.75	0.7	0.21	0.92	0.22	0.49
6004	'RGS16'	42.3	26.63	39.55	16.09	8.91	63.96
6005	'RHAG'	0	0.05	0.38	0	0	0
6006	'RHCE'	0.61	0.43	0.16	0.31	0.66	0.33
6007	'RHD'	0.43	0.34	0.27	0.46	1.11	1.28
6009	'RHEB'	93.07	71.93	87.61	83.75	69.76	101.17
6011	'GRK1'	0.03	0	0.03	0	0.03	0.06
6013	'RLN1'	1.27	1.9	5.62	2.9	4.72	5.57
6015	'RING1'	53.85	53.09	62.26	43.34	71.67	77.75
6016	'RIT1'	23.12	16.76	13.03	20.26	14.87	21.2
6017	'RLBP1'	0	0	0.07	0	0	0.08
6018	'RLF'	25.44	19.82	11.03	15.12	35.63	19.36
6019	'RLN2'	0	0	1.58	0.15	1.17	1.57
602	'BCL3'	78.7	50.93	49.49	42.37	37.92	136.03
60312	'AFAP1'	1.18	1.04	0.36	0.8	9.17	0.54
60313	'GPBP1L1'	45.08	33.95	28.44	30.6	39.13	51.38
60314	'MYG1'	40.58	47.97	68.99	35.05	40.78	60.29
60343	'FAM3A'	25.09	30.87	25.86	25.84	37.13	35.31
6035	'RNASE1'	0	0	0.4	0.89	0	0.47
6036	'RNASE2'	3.35	6.03	519.98	9.54	0	5.61
6037	'RNASE3'	0.26	1.37	53.99	1.64	0	0.45
60370	'AVPI1'	1.34	2.44	3.23	1.66	2.89	2.06
6038	'RNASE4'	0.99	1.49	1.99	0.78	2.52	2.07
60385	'TSKS'	0.07	0.28	0.32	0	0.12	0.96
60386	'SLC25A19	20.21	14.95	26.06	13.95	14.33	18.76
6039	'RNASE6'	2.23	6.12	10.06	4.68	7.67	17.33
604	'BCL6'	17.92	20.41	8.21	11.1	10.96	13.96
60401	'EDA2R'	0.89	0.25	1.19	0.35	3.27	2.41
6041	'RNASEL'	2.57	1.32	3.57	2.12	5.6	3.87
60412	'EXOC4'	23.93	14.47	21.85	15.18	23.63	25.29
60436	'TGIF2'	8.94	7.13	8.11	5.75	12.6	11.83
60437	'CDH26'	0.21	0.2	0.22	0.16	0.46	0.36
6045	'RNF2'	12	10.3	10.08	8.54	10.51	9.82
6046	'BRD2'	391.2	326.13	234.25	271.06	225.86	300.69
60468	'BACH2'	4.66	2.64	1.91	4.37	4.89	2.7
6047	'RNF4'	125.56	88.12	89.76	73.22	110.84	90.65
6048	'RNF5'	76.84	91.5	108.98	59.58	125.53	114.71
60481	'ELOVL5'	125.42	100.94	125.13	91.53	140.08	143.46
60484	'HAPLN2'	0.08	0.13	0.09	0.06	0	0
60485	'SAV1'	4.68	3.52	3.73	3.73	6.9	6.58
60487	'TRMT11'	15.15	14.59	13.94	13.38	10.11	9.43
60488	'MRPS35'	45.13	40.29	48.47	35.98	33.14	42.84
60489	'APOBEC3C	305.15	213.33	372.15	254.39	227.95	339.95
6049	'RNF6'	60.86	44.48	32.82	37.2	31.75	50.02

60490	'PPCDC'	22.84	20.94	28.96	14.69	23.77	22.44
60491	'NIF3L1'	18.78	12.86	18.12	11.82	20.97	15.82
60492	'CCDC90B'	13.57	10.99	19.02	12.7	18.33	20.06
60493	'FASTKD5'	28.89	24.91	18.29	21.91	23.38	27.64
60494	'CCDC81'	0.28	0.65	0.34	0.31	0.6	0.71
60495	'HPSE2'	0.03	0.02	0	0	0.05	0.08
60496	'AASDHPPT	20.47	13.99	17.06	17.85	20.42	22.08
605	'BCL7A'	0.54	0.48	0.99	0.31	3.23	1.46
6050	'RNH1'	97.13	81.31	125.13	76.69	89.98	143.92
60509	'AGBL5'	20.11	13.6	15.22	9.77	21.33	9.89
6051	'RNPEP'	60.73	55.03	56.76	39.02	38.94	55.15
60526	'LDAH'	8.2	6.48	9.45	5.1	7.19	10.43
60528	'ELAC2'	56.01	36.03	46.58	30.75	17.77	49.51
60529	'ALX4'	0.09	0.03	0	0.02	0.03	0.06
60558	'GUF1'	23.62	17.12	19.03	13.9	17	21.41
60559	'SPCS3'	74.5	55	57.26	44.95	71.64	62.56
60560	'NAA35'	17.35	10.95	14.53	10.25	14.58	17.18
60561	'RINT1'	22.82	25.91	18.77	20.64	13.21	20.01
6059	'ABCE1'	56.65	31.33	40.32	37.21	20.46	37.48
60592	'SCOC'	15.72	12.62	20.79	15.35	23.58	19.88
60625	'DHX35'	8.67	11.18	6.78	10.22	6.36	7.52
60626	'RIC8A'	42.37	34.54	41.96	33.08	43.87	52.02
606495	'CYB5RL'	2.55	1.5	2.16	2.18	3.74	1.53
60672	'MIIP'	127.07	126.04	288.67	80.75	72.84	156.55
60673	'ATG101'	57.05	54.26	58.56	55.99	33.93	53.82
60675	'PROK2'	10.28	12.63	11.39	6.4	5.93	20.37
60676	'PAPPA2'	0	0	0	0	0.01	0
60677	'CELF6'	1.13	0.93	0.44	0.67	2.16	1.19
60678	'EEFSEC'	28.58	22.51	35.99	19.43	38.94	28.8
60680	'CELF5'	0.14	0.15	0.06	0.12	0.23	0.1
60681	'FKBP10'	0.81	0.77	0.08	0.47	0.25	0.22
60682	'SMAP1'	52.23	43.11	39.51	40.53	72.22	60.59
60684	'TRAPPC11	18.74	12.05	12.1	11.44	15.41	16.45
60685	'ZFAND3'	39.13	29.32	25.38	25.35	37.77	42
60686	'C14orf93	10.38	10.1	12.33	8.84	17.13	17.23
607	'BCL9'	9.62	5.47	7.36	3.72	4.15	5.18
608	'TNFRSF17	0.56	0.14	1.81	0	0.29	15.87
6091	'ROBO1'	0.22	0.03	0.04	0	0.07	0.01
6092	'ROBO2'	0	0	0.01	0	0	0
6093	'ROCK1'	42.8	25.21	22.2	25.43	24.11	32.44
6094	'ROM1'	2.04	2.36	2.88	2.41	3.93	3.76
6095	'RORA'	45.53	31.9	17.02	28.6	25.4	41.95
6096	'RORB'	0.43	0.16	0.04	0.13	0.03	0.19
6097	'RORC'	5.81	3.1	3.01	14.27	1.45	33.59
6098	'ROS1'	0	0	0	0.02	0	0
610	'HCN2'	1.3	1.52	1.47	1.57	2.65	3.56
6100	'RP9'	31.19	32.56	28.09	33.57	24.64	32.57
6102	'RP2'	10.46	7.03	7.83	6.14	9.15	8.17
6103	'RPGR'	6.81	5.7	4.11	7.15	2.46	3.45
6117	'RPA1'	78.12	54.96	77.89	42.77	82.85	53.44
6118	'RPA2'	119.83	92.01	113.25	87.55	132.81	124.37
6119	'RPA3'	15.86	16.73	36.1	16.02	16.47	20.48
6120	'RPE'	9.36	6.89	13.17	8.27	12.91	11.82
6122	'RPL3'	2492	2966.7	3037.1	2895.58	4198.46	2025.11

6123	'RPL3L'	0	0	0	0	0.05	0
6124	'RPL4'	1239.3	1228.4	1227.3	1096.03	1171.01	832.13
6125	'RPL5'	1304	1556.5	1332.8	1484.09	1608.5	979.36
6128	'RPL6'	2088.3	2375.7	2234.7	2330.02	2245.68	1815.89
6129	'RPL7'	1186.2	1394.1	1320.6	1374.41	1463.52	940.22
613	'BCR'	21.59	20.21	22.95	15.17	14.08	25.03
6130	'RPL7A'	2275	2705.5	2403	2741.64	2949.86	1833.68
613037	'NPIPB13'	32.06	24.2	9.09	6.52	12.55	14.75
6132	'RPL8'	2632.8	3441.3	2916.4	3135.88	2750.94	2421.35
613227	'HIGD1C'	0.19	0	0.05	0	0.1	0.11
6133	'RPL9'	2578.3	3610	2869.2	4035.8	3150.32	2358.3
6134	'RPL10'	2110.4	2497	1749.7	2245.66	2761.39	1530.06
6135	'RPL11'	3882.4	5340.1	4894.9	5588.04	4937.76	4474.32
6136	'RPL12'	2686.9	3823.1	3281.4	5245.42	3120.37	2910.56
6137	'RPL13'	637.99	1000.5	786.88	1094.54	1151.97	763.1
6138	'RPL15'	1078.4	1356.5	1109.7	1090.29	1199.59	848.72
6139	'RPL17'	2407.9	3159.2	3044.4	3272.79	3231.66	2306.38
6141	'RPL18'	2653.4	4029.9	3170.8	3381.26	4398.83	2899.94
6142	'RPL18A'	3188.9	3980.2	3584	4095.21	5133.97	3030.46
6143	'RPL19'	3256.1	4271.8	4122.2	4720.03	3989.05	3523.09
6144	'RPL21'	2251.1	3013.7	2760.3	4275.19	2990.08	1983.89
6146	'RPL22'	268.29	338.91	356.94	324.43	313.85	247.79
6147	'RPL23A'	1942.4	2366.7	1942.9	2432.68	2513.69	1789.84
6150	'MRPL23'	178.82	179.69	216.55	172.48	57.15	175.08
6152	'RPL24'	2083.7	2905.2	2614.6	3318.93	2646.99	2284.54
6154	'RPL26'	4826.6	7378.6	5698.8	7960.07	7636.7	5146.31
6155	'RPL27'	2245.2	3247.4	2428.7	2797.25	2602.61	1883.49
6156	'RPL30'	4592.3	5877.6	5001.4	8047.14	5819.12	5019.35
6157	'RPL27A'	351.28	496.55	480.2	630.85	478.93	356.73
6158	'RPL28'	1247.6	1656.7	1294	1749.7	1852.84	1561.69
6159	'RPL29'	1330	1970.5	1777	2210.69	2301.91	1175.56
6160	'RPL31'	606.37	1029.5	809.34	1044.88	1066.51	752.97
6161	'RPL32'	741.83	1038.3	906.53	1306.99	1040.6	797.13
6164	'RPL34'	2024.8	3387.4	2488.6	3589.41	3439.06	2517.58
6165	'RPL35A'	468.84	707.08	592.05	918.29	695.46	552.08
6166	'RPL36AL'	1026.3	1281.7	1287.4	1270.73	1361	1326.06
6167	'RPL37'	111.76	158.96	133.91	178.89	173.37	129.8
6168	'RPL37A'	171.91	225.05	205.69	292.55	244.35	178.89
6169	'RPL38'	138.97	217.87	192.68	278.37	208.19	194.09
617	'BCS1L'	17.74	13.63	24.23	11.18	12.61	22.61
6170	'RPL39'	3126.8	4489.7	3489.3	5693.83	4155.68	3251.2
6171	'RPL41'	4069	5148.7	5740.8	8056.27	5601.96	5015.42
6173	'RPL36A'	1535	2398.7	2045.4	2885.47	2406.96	1647.35
6175	'RPLP0'	4200.8	4704.7	4260.7	3952.15	4706.06	2808.42
6176	'RPLP1'	1073.6	1427.5	1222	1527.87	1595.94	941.6
6181	'RPLP2'	4820.1	6540.7	5438.6	7829.11	6789.42	4612.61
6182	'MRPL12'	81.05	72.75	174.79	85.86	40.58	108.08
6183	'MRPS12'	46.36	51.46	88.49	55.66	40.72	66.14
6184	'RPN1'	210.64	144.42	207.24	162.13	216.08	169.51
6185	'RPN2'	261.79	179.67	227.48	165.37	228.82	212.01
6187	'RPS2'	5950.7	7529.1	7258.9	6990.05	6255.21	4623.31
6188	'RPS3'	1229.4	1516.4	1373.7	1529.06	1654.3	975
6189	'RPS3A'	1601.6	2206.4	1801.2	1822.64	2295.42	1200.21
6191	'RPS4X'	1920.9	2366.6	1452	1414.18	1757.12	1448.27

619189	'SERINC4'	0.06	0.12	0.13	0.04	0.08	0.1
6192	'RPS4Y1'	0	0	285.31	611.48	349.25	0.11
619208	'FAM229B'	1.66	0.49	3.42	2.68	6.61	2.46
619279	'ZNF704'	0.2	0.04	0.04	0.04	0.06	0.01
6193	'RPS5'	1469.6	1725.6	1545.4	1619.77	1631.02	1067.8
619373	'MBOAT4'	0.34	0.28	0.32	0.12	0.17	0.59
6194	'RPS6'	2449.6	3023.7	2861.7	3417.4	2716.8	1932.89
6195	'RPS6KA1'	105.79	86.3	99.42	62.05	150.03	107.26
6196	'RPS6KA2'	1.27	0.49	1.04	0.25	0.57	1.16
6197	'RPS6KA3'	48.68	31.95	27.58	29.1	40.35	35.67
6198	'RPS6KB1'	28.14	15.46	16.92	16.47	15.2	24.09
6199	'RPS6KB2'	63.44	60.66	80.97	60.66	63.43	89.47
6201	'RPS7'	1374.9	1719	1641.6	2084.73	1681.19	1207.13
6202	'RPS8'	2155.2	2928.4	2788.7	2777.33	2722.77	1887.27
6203	'RPS9'	1539.8	2091.2	1989.3	2410.13	2552.88	1988.03
6204	'RPS10'	2505.9	3547.8	2834.1	3707.82	4237.09	2938.66
6205	'RPS11'	6348.3	9113.1	8190.3	7676.47	10021.37	7621.9
6206	'RPS12'	2946.9	3975.1	3324.6	4556.79	4008.48	2908.79
6207	'RPS13'	1761	2263.2	1975.8	2609.89	2053.03	1465.52
6208	'RPS14'	541.39	757.38	608.71	891.14	828.64	573.04
6209	'RPS15'	3524.6	4564.5	3974.5	4974.34	5399.84	3877.41
6210	'RPS15A'	513.6	732.94	567.94	656.45	849.54	531.02
6217	'RPS16'	2370.1	3112.5	2908.5	3669.98	2964.14	2572.49
6218	'RPS17'	3226.4	4381.5	4538.6	5595.1	3844.22	3387.72
622	'BDH1'	24.06	18.59	21.77	12.01	16.15	14.8
6222	'RPS18'	3039.9	4382.7	3673.3	5548.15	4244.89	2887.45
6223	'RPS19'	1362.1	2260.1	1669.4	2401.42	2526.13	1699.28
6224	'RPS20'	4107.8	6030.3	4971.1	7328.29	5389.87	4209.81
6227	'RPS21'	1542.6	2370.6	2071	2350.54	2615.36	1486.36
6228	'RPS23'	239.4	272.39	255.11	318.27	302.17	212.78
6229	'RPS24'	3385.6	4431.2	4398	5311.7	4070.61	3333.25
623	'BDKRB1'	0	0	0	0	0.18	0
6230	'RPS25'	2100.6	2750.4	2502	3755.05	3010.11	2343.07
6231	'RPS26'	946.41	1308.3	1190.3	441.4	249.73	506.12
6232	'RPS27'	11825	17583	11878	23137.05	19711.25	14604.32
6233	'RPS27A'	1513.1	2002.5	1566.1	2481.62	1787.57	1380.84
6234	'RPS28'	892.39	1283.5	1094.4	1298.09	1322.07	915.72
6235	'RPS29'	2984.2	3549.1	2790.9	3958.59	4616.93	2869.88
6236	'RRAD'	2.53	3.86	3.13	1.24	8.78	1.97
6237	'RRAS'	10.41	23.5	24.15	25.42	62.1	42.38
6238	'RRBP1'	68.82	37.19	49.56	25.99	40.95	55.99
6239	'RREB1'	11.36	7.91	7.25	6.68	8.42	9.93
6240	'RRM1'	70.61	35.11	98.25	27.35	59.95	46.47
6241	'RRM2'	111.75	43.56	180.71	35.77	104.33	58.46
6242	'RTKN'	6.26	5.4	1.64	1.31	1.72	1.98
6248	'RSC1A1'	10.97	2.67	2.43	1.76	2.05	5.93
6249	'CLIP1'	37.87	23.07	21.52	18.2	20.06	38.3
6251	'RSU1'	78.93	54.84	65.28	35.97	50.14	73.86
6252	'RTN1'	0	0.03	0	0.03	0	0
6253	'RTN2'	5.66	9.92	7.41	4.48	8.31	10.21
6256	'RXRA'	1.47	2.01	2.74	2.54	24.14	2.27
6257	'RXRB'	31.93	30.65	21.64	25.91	38.29	29.2
6259	'RYK'	8.75	12.8	6.89	8.33	14.88	10.84
6261	'RYR1'	0.63	0.53	0.85	0.45	0.85	1.29

6262	'RYR2'	0.01	0.06	0	0	0.01	0.07
6263	'RYR3'	0.11	0.06	0.04	0.08	0.01	0.05
627	'BDNF'	0	0	0	0	0.06	0.07
6272	'SORT1'	6.46	3.19	5.76	1.19	3.19	1.81
6273	'S100A2'	0.82	0.87	1.03	0.61	0.77	0.29
6274	'S100A3'	0	0	0.18	0	0	0
6275	'S100A4'	2196.3	3823.3	3586.8	3966.33	1715.79	4555.4
6276	'S100A5'	1.4	1.81	3.25	1.64	1.98	2.92
6277	'S100A6'	1138.9	1686.7	1892.4	1593.25	791.17	2559.04
6279	'S100A8'	0	0	2.31	1.1	0	0
6280	'S100A9'	0	0	3.35	0.53	0	0.33
6281	'S100A10'	896.59	1195.4	1123.8	1234.01	1378.8	1113.38
6282	'S100A11'	1249.5	923.64	1682.5	1149.33	746.72	2033.23
6284	'S100A13'	11.42	7.84	11.09	9.06	8.56	10.95
6285	'S100B'	13.47	17.78	15.79	8.1	4.91	15.96
6286	'S100P'	3.39	0.85	35.47	0.39	1.72	11.68
6288	'SAA1'	0.46	0	0	0	0	0
6289	'SAA2'	0	0	0	0	0	0.77
629	'CFB'	0	0.08	0	0.26	0.04	0.14
6291	'SAA4'	0	0	0	0	0.25	0
6293	'VPS52'	27.56	28.91	29	22.25	31.56	39.19
6294	'SAFB'	75.24	44.31	58.16	49.75	72.05	61.92
6295	'SAG'	0	0	0	0	0.06	0
6296	'ACSM3'	2.6	1.81	4.83	1.48	1.88	1.26
6297	'SALL2'	0.33	0.3	0.23	0.41	0.95	0.31
6300	'MAPK12'	0.93	0.53	2.54	0.22	3.39	2.93
6301	'SARS1'	156.1	98.08	201.07	102.06	150.91	159.81
6302	'TSPAN31'	12.95	13.04	12.45	8.97	26.91	25.87
63027	'SLC22A23	0.45	0.58	0.44	0.4	0.43	0.6
6303	'SAT1'	167.16	170.31	240.13	262.63	163.46	384.09
63035	'BCORL1'	2.38	1.71	2.8	1.22	4.85	3.48
6304	'SATB1'	76.32	50.06	35.1	56.28	64.81	87.67
6305	'SBF1'	117.77	57.8	71.86	45.27	78.79	91.02
6307	'MSMO1'	22.17	18.49	32.28	23.86	26.25	30.49
6309	'SC5D'	10.62	7.51	9.14	9.8	9.87	9.76
631	'BFSP1'	3.49	3.3	4.74	1.7	2.21	5.98
6310	'ATXN1'	22.49	13.3	9.59	14.43	19.19	16.08
6311	'ATXN2'	20.42	11.15	10.28	10.93	11.86	13.73
6314	'ATXN7'	34.9	17.47	11.17	21.85	19.94	23.78
6319	'SCD'	106.23	53.43	104.31	65.21	99.91	116.61
632	'BGLAP'	6.36	13.84	10.4	3.67	2.13	1.1
6320	'CLEC11A'	1.16	0.56	4.17	0.37	0.74	0.65
6322	'SCML1'	2.01	0.86	1.37	1.08	0.65	2.06
6324	'SCN1B'	0.47	0.14	0.47	0.52	0.22	0.74
6326	'SCN2A'	0	0	0.03	0.02	0	0.04
6327	'SCN2B'	0	0.02	0	0	0.04	0.04
6328	'SCN3A'	0.03	0.01	0.04	0.02	0	0.32
6329	'SCN4A'	0.06	0.04	0.05	0.07	0.02	0.23
6330	'SCN4B'	0.06	0	0.02	0.02	0.19	0.03
6331	'SCN5A'	0	0.01	0.03	0.01	0.07	0.14
6332	'SCN7A'	0	0	0	0.01	0	0
6334	'SCN8A'	0.22	0.1	0.3	0.16	0.11	0.17
6335	'SCN9A'	0.6	0.19	0.1	0.02	0.06	0.13
6337	'SCNN1A'	0.37	0.12	0.12	0.29	0.16	0.14

6338	'SCNN1B'	0	0	0.2	0	0.04	0.62
6339	'SCNN1D'	1.05	1.34	1.13	0.86	1.32	1.81
634	'CEACAM1'	24.2	18.65	8.41	2.36	24.03	20.93
6341	'SCO1'	5.66	3.98	4.33	3.64	4.01	4.65
6342	'SCP2'	115.29	101.15	107.14	89.34	82.8	108.14
6345	'SRL'	0	0	0	0.02	0	0
6346	'CCL1'	1.42	0	0	1.74	0	3.09
6347	'CCL2'	0.25	0.19	0	3.27	0	2.15
6348	'CCL3'	2428	2616.3	3029.2	1744.26	290.26	1999.9
6349	'CCL3L1'	151.02	298.78	226.51	586.06	52.53	0
6351	'CCL4'	2049.8	2331.8	2922.5	1753.41	1621.4	2448.93
6352	'CCL5'	4173.8	5469.6	2539.4	6522.56	8702.28	3595.46
6354	'CCL7'	0	0	0	0.45	0	0
6355	'CCL8'	0	0	0	0.69	0	0
6358	'CCL14'	0	0.3	0	0.28	0	0.17
636	'BICD1'	4.63	2.87	4.7	3.31	2.62	6.59
6360	'CCL16'	0.09	0	0	0	0	0.08
6361	'CCL17'	5	2.01	13.28	0.45	3.6	27.27
6362	'CCL18'	0.88	0.33	0.33	2.01	1.89	0.96
6363	'CCL19'	0	0	0	0	0	0.49
6364	'CCL20'	2.89	2.82	0.15	4.34	1.44	7.39
6367	'CCL22'	5.76	0.67	3.88	1.43	3.01	11.62
6368	'CCL23'	3.07	4.44	3.22	3.2	0.99	2.52
6369	'CCL24'	0	0.15	0	0	0	0.09
637	'BID'	37.28	32.08	42.37	33.88	20.95	41.5
6370	'CCL25'	0	0	0.71	0.11	0.82	0.72
6373	'CXCL11'	0.1	0	0.07	0.2	0	0.34
6374	'CXCL5'	0.05	0.04	0.08	0.11	0	0
6375	'XCL1'	35.47	59.85	77.53	13.28	11.14	20.47
638	'BIK'	0.68	0.52	2.16	0.72	3.06	3.59
6382	'SDC1'	0.09	0	0.03	0	0.85	0.2
63826	'SRR'	5.69	3.72	10.4	2.53	5.39	5.16
63827	'BCAN'	0.47	0.26	0.29	0.9	0.32	0.88
6383	'SDC2'	0.13	0	0.03	0.37	0.07	1.05
6385	'SDC4'	7.44	5.73	8.76	3.44	13.67	8.43
6386	'SDCBP'	90.93	71.84	93.69	81.14	100.29	139.12
63874	'ABHD4'	31.4	22.39	15.76	20.59	61.38	29.67
63875	'MRPL17'	9.78	8.94	22.06	7.72	15.34	15.61
63876	'PKNOX2'	0	0	0	0	0	0.03
63877	'FAM204A'	5.84	6.12	5.71	6.49	5.32	7.37
6388	'SDF2'	44.04	40.53	54.94	40.23	48.72	61.95
6389	'SDHA'	117.53	76.61	116.17	67.34	113.54	104.82
63891	'RNF123'	22.11	13.15	13.77	10.13	13.83	20.41
63892	'THADA'	10.18	6.5	9.51	9.07	10.01	13.12
63893	'UBE2O'	20.06	12.14	11.03	8.29	19.53	12.31
63894	'VIPAS39'	11.06	9.75	11.19	9.38	20.18	14.39
63895	'PIEZO2'	0	0	0.02	0.01	0	0.01
63897	'HEATR6'	8.6	6.56	4.11	6.09	5.98	8.42
63898	'SH2D4A'	1.5	1.33	4.93	0.6	3.31	1.99
63899	'NSUN3'	6.22	5.08	3.79	4	5.79	5.74
639	'PRDM1'	59.41	43.5	36.96	34.05	90.09	79.32
6390	'SDHB'	95.88	84.95	136.35	85.95	75.78	120.77
63901	'FAM111A'	50.82	35.81	39.92	24.83	44.36	37.75
63905	'MANBAL'	17.37	18.84	21.22	18.91	24.14	21.64

63906	'GPATCH3'	29.98	29.86	19.53	25.28	16.92	26.8
63908	'NAPB'	7.03	5.06	3.3	6.87	14.97	5.45
6391	'SDHC'	78.69	64.92	92.44	70.59	72.66	100.55
63910	'SLC17A9'	23.48	25.83	20.07	9.86	15.56	12.17
63915	'BLOC1S5'	10.47	7.55	11.28	10.42	21.65	12.57
63916	'ELMO2'	56.78	45.11	47.01	32.77	38.43	61.69
63917	'GALNT11'	42.94	42.06	26.42	36.74	47.68	36.21
6392	'SDHD'	77.43	64.5	94.55	80.2	95.92	101.66
63920	'ZBED8'	0.09	0.11	0.07	0	0.51	0.08
63922	'CHTF18'	32.47	27.96	34.51	14.59	21.53	19.82
63924	'CIDEC'	1.67	3.21	1.92	2.98	1.77	3.45
63925	'ZNF335'	56.41	40.38	24.09	24.18	33.64	37.52
63926	'ANKEF1'	2.83	1.88	2.56	2.49	3.25	2.81
63928	'CHP2'	0.15	0.05	0	0.15	0.05	0.06
63929	'XPNPEP3'	5.11	3.64	3.62	4.47	2.16	2.66
63931	'MRPS14'	10.79	9	18.35	10.92	21.08	16.31
63932	'CXorf56'	19.11	12.66	13.58	15.83	9.56	14.6
63933	'MCUR1'	17.05	11.29	16.16	12.74	10.08	13.38
63934	'ZNF667'	0.07	0.02	0.06	0.1	0.16	0.03
63935	'PCIF1'	65.82	52.16	51.28	43.33	68.71	55.65
63939	'FAM217B'	8.06	5.11	6.42	6.36	9.4	6.61
63940	'GPSM3'	441.45	463.82	470.23	361.83	534.32	635.14
63941	'NECAB3'	13.49	24.43	13.09	16.86	22.19	34.32
63943	'FKBPL'	3.81	6.11	7.62	4.36	9.85	5.63
63947	'DMRTC1'	0.28	0.11	0.42	0.2	0	0.57
63950	'DMRTA2'	0	0	0.03	0	0.07	0
6396	'SEC13'	137.42	105.31	141.09	95.64	89.53	130.28
63967	'CLSPN'	12.53	5.05	12.42	4.6	4.16	6.4
6397	'SEC14L1'	83.44	44.93	52.05	26.69	44.68	49.78
63971	'KIF13A'	0.66	0.5	0.78	0.56	0.26	0.09
63973	'NEUROG2'	0.75	0.26	0	0.98	0	0.15
63976	'PRDM16'	0	0.01	0.01	0	0.07	0
63977	'PRDM15'	7.19	4.33	3.38	3.75	3.05	4.76
63978	'PRDM14'	0	0	0.06	0	0	0
63979	'FIGNL1'	7.57	4.07	4.24	3.69	7.11	5.24
6398	'SECTM1'	7.81	8.35	7.02	1.67	6.88	17.28
6399	'TRAPPC2'	8.13	8.19	5	6.99	9.52	12.11
640	'BLK'	1.79	0.94	2.12	0.8	1.14	8.1
6400	'SEL1L'	37.46	16.6	14.26	16.36	27.25	19.23
64005	'MYO1G'	257.71	196.02	288.39	95.33	435.13	316.18
6401	'SELE'	0	0	0	0	0	0.03
6402	'SELL'	70.29	35.68	59.9	26.53	37.46	87.08
6403	'SELP'	0.21	0.1	0.1	0	0.26	0.19
6404	'SELPLG'	545.01	352.22	478.07	372.3	598.65	651.17
6405	'SEMA3F'	0	0	0.06	0	0.35	0.08
64061	'TSPYL2'	30.43	36.31	18.25	32.03	35.31	35.9
64062	'RBM26'	38.29	24.92	18.16	22.16	27.42	23.86
64063	'PRSS22'	0.1	0.24	0	0.29	0.33	0.09
64064	'OXCT2'	0.45	0.97	0.9	0.48	0.29	0.79
64065	'PERP'	24.47	25.52	18.06	34.74	29.54	27.21
64072	'CDH23'	0.35	0.31	0.79	0.61	0.17	1.25
64073	'C19orf33	1.01	2.26	2.69	0	0.76	2.59
64077	'LHPP'	8.85	11.67	10.78	8.67	14.97	12.94
64078	'SLC28A3'	0.03	0.04	0.02	0.09	0.06	0

64080	'RBKS'	2.15	2.55	2.68	2.28	6.58	5.25
64081	'PBLD'	1.12	0.69	1.61	0.46	0.77	2.23
64083	'GOLPH3'	97.09	68.84	69.37	64.07	74.2	90.5
64084	'CLSTN2'	0.01	0	0	0.01	0.01	0.01
64087	'MCCC2'	18.91	17.23	23.59	14.11	18.89	25.16
64089	'SNX16'	3.81	3.19	3.8	3.69	4.89	6.66
64090	'GAL3ST2'	0.69	0.22	0.44	0.07	1.08	0.17
64091	'POPDC2'	2.34	3.36	2.42	2.52	5.13	3.49
64092	'SAMSN1'	438.99	269.82	219.33	197.67	187.85	234.26
64093	'SMOC1'	0	0	0	0	0.05	0
64097	'EPB41L4A	6.75	7.78	3.34	5.66	7.86	4
64098	'PARVG'	140.26	157.43	184.14	140.51	100.02	159.64
641	'BLM'	26.02	15.21	29.2	12.04	18.97	17.57
64101	'LRRC4'	0	0.07	0.07	0.15	0.03	0.17
64105	'CENPK'	30.93	25.21	50.92	21.65	32.12	40.33
64106	'NPFFR1'	0.04	0.01	0	0.02	0.03	0.06
64108	'RTP4'	2.85	4.32	6.36	7.33	13.04	18.31
64109	'CRLF2'	0.46	0.14	0.78	0	0.64	0.33
64110	'MAGEF1'	4.99	5.08	7.55	4.99	3.83	4.52
64112	'MOAP1'	39.63	38.36	28.2	30.27	28.03	46.28
64114	'TMBIM1'	128.34	80.79	105.26	103.74	136.92	155.89
64115	'VSIR'	41.87	47.34	60.8	27.94	49.88	71.42
64116	'SLC39A8'	79.3	54.88	61.55	55.17	59.03	61.79
64118	'DUS1L'	97.23	93.72	104.72	84.42	58.38	113.49
64121	'RRAGC'	65.76	33.42	24.21	54.82	27.29	40.91
64122	'FN3K'	0.6	0.55	1.2	0.58	3.54	0.15
64127	'NOD2'	5.43	3.82	2.69	2.81	10.02	6.01
64130	'LIN7B'	4.63	2.66	2.61	4.13	8.08	6.58
64131	'XYLT1'	24.41	14	16.66	8.06	16.62	19.63
64132	'XYLT2'	10.8	11.08	14.31	8.26	22.01	17.95
641339	'ZNF674'	1.54	1.36	1.11	1.05	2.86	1.35
64135	'IFIH1'	15.51	7.41	11.97	17.3	15.16	44.97
64137	'ABCG4'	0	0.03	0	0.02	0.03	0
641371	'ACOT1'	7.94	9.28	7.06	4.45	5.78	7.16
641372	'ACOT6'	0	0	0.12	0	0.37	0
6414	'SELENOP'	0	0.29	0	0	0	0.22
64145	'RBSN'	10.82	7.53	5.43	6.49	7.96	8.87
641455	'POTEM'	0.02	0	0	0	0	0.02
64146	'PDF'	6.36	3.75	8.3	4.3	2.24	5.84
64147	'KIF9'	5.87	4.18	4.46	5.34	1.29	2.46
64149	'C17orf75	20.29	21.5	22.99	14.22	11.44	18.72
6415	'SELENOW'	136.24	199.29	190.22	160.33	127.77	200.68
64151	'NCAPG'	27.34	15.17	33.68	13.62	17.52	16.11
6416	'MAP2K4'	18.1	16.51	18.25	14.14	17.01	20.65
641649	'TMEM91'	4.64	4.78	5.1	6.55	12.16	6.99
64167	'ERAP2'	91.55	45.9	57.95	54.44	56.04	123.26
64168	'NECAB1'	0.45	0.6	0.46	0.17	0.24	0.21
64170	'CARD9'	5.66	4.39	4.6	0.71	0.94	1.12
641700	'ECSCR'	0.19	0.23	0.68	0	0.24	0.27
64172	'OSGEPL1'	4.43	3.3	5.65	4.97	6.04	7.09
64174	'DPEP2'	8.53	11.38	8.68	10.61	10.52	9.86
64175	'P3H1'	27.91	27.19	26.6	18.63	26.61	24.73
6418	'SET'	240.6	159.95	248.24	154.25	149.89	200.96
64180	'DPEP3'	0.08	0.06	0.37	0.41	0.13	0.14

6419	SETMAR	12.47	14.62	11.84	13.01	5.92	13.52
642	BLMH	41.57	32.95	51.96	28.76	29.89	36.73
64207	IRF2BPL	33.6	20.91	18.06	16.66	31.08	30.12
64208	POPDC3	0	0	0	0.05	0.04	0
6421	SFPQ	336.46	166.06	158.74	154.33	103.25	156.07
64210	MMS19	36.29	24.03	26.62	25.37	37.96	32.56
64215	DNAJC1	34.2	32.69	40.68	35.01	47.34	49.53
64216	TFB2M	22.4	18.45	19.51	18.56	6	17.7
64218	SEMA4A	14.18	15.33	13.31	5.13	11.74	38.39
64219	PJA1	7.57	7.38	12.7	6.43	17.16	14.72
64221	ROBO3	2.78	4.52	2.86	1.91	1.71	3.01
64222	TOR3A	46.01	43.94	52.22	40.39	23.12	54.18
64223	MLST8	51.59	43.65	59.62	40.54	40.86	55.51
64224	HERPUD2	66.95	43.26	31.04	59.08	60.97	61.58
64225	ATL2	19	16.87	17.21	11.42	14.08	16.37
642273	FAM110C	0.81	0.66	0.95	0.46	1.68	0.6
6423	SFRP2	0	0	0.05	0	0	0
64231	MS4A6A	0	0.07	0.11	0.21	0.23	0.08
64236	PDLIM2	66.01	77.06	73.99	62.34	69.68	84.91
6424	SFRP4	0.05	0.03	0.03	0	0	0
64240	ABCG5	0	0	0	0	0.1	0
64241	ABCG8	0.02	0	0	0.01	0	0
642475	MROH6	0.7	1.39	1.33	1.2	4.35	3.26
6425	SFRP5	0	0	0	0.05	0.06	0.19
642515	PRRT1B	0.48	0.27	0.18	0.27	0.37	0.35
642517	AGAP9	8.57	8.89	3.94	1.75	4.8	5.82
642574	IQANK1	0	0	0	0.06	0.07	0
642597	AKAIN1	0.04	0.03	0	0	0	0
6426	SRSF1	63.5	33.44	67.39	37.48	34.57	39.79
642612	TRIM49C	0	0	0	0	0.09	0
642623	UBTFL1	0.13	0.19	0	0.09	0	0
642658	SCX	4.24	6.29	2.49	2.98	4.02	5.19
6427	SRSF2	523.12	419.78	415.61	419.54	129.02	329.66
642778	NPIPA3	12.77	12.52	17.91	8.8	18.22	7.14
642799	NPIPA2	12.85	8.84	2.87	6	4.3	9.71
6428	SRSF3	133.66	120.65	199.68	122.1	54.69	152.2
642819	ZNF487	4.79	3.43	3.86	4.72	1.68	4.64
64282	TENT4B	19.7	15.3	9.76	14.99	13.59	13.17
64283	ARHGEF28	0.36	0.18	0.05	0.25	0.1	0.15
64284	RAB17	0	0	0.07	0	0	0.06
64285	RHBDF1	0.14	0.11	0	0.13	0.41	0.08
64288	ZSCAN31	0.51	0.77	1.28	0.44	0.96	1.48
6429	SRSF4	86.58	80.94	91.46	80.08	75.56	90.84
642987	TMEM232	0	0.04	0.08	0.04	0.29	0.05
643	CXCR5	1.95	1.25	2.8	4.18	1.9	7.12
6430	SRSF5	487.23	459.43	468	503.78	491.38	627.61
643008	SMIM5	0.87	0.49	0.23	0.16	0.38	0.29
6431	SRSF6	96.04	76.73	76.34	80.15	53.06	95.01
643136	ZC3H11B	0	0	0.02	0.07	0.04	0.02
643155	SMIM15	33.31	26.95	27.02	25.67	26.02	34.39
64318	NOC3L	6.71	4.7	5.62	4.3	4.73	6.57
64319	FBRS	119.93	86.14	59.96	60.44	64.06	104.82
6432	SRSF7	245.84	237.62	324.01	243.06	71.44	253.09
64320	RNF25	29.54	24.87	23.81	31.35	20.25	31.57

643236	'TMEM72'	0.05	0.02	0.04	0.03	0.02	0.06
64324	'NSD1'	36.8	22.89	22.34	16.52	18.59	30.24
643246	'MAP1LC3E	3.17	1.5	2.14	3.22	3.32	3.02
64326	'COP1'	19.33	14.67	21.7	15.05	20.41	21.01
64327	'LMBR1'	14.57	6.97	9.86	7.25	11.81	11.41
64328	'XPO4'	12.93	7.27	6.81	6.92	6.01	9.47
6433	'SFSWAP'	55.24	37.84	34.34	40.54	35.01	53.31
643314	'KIAA0754	1.02	0.07	0.15	0.29	0.26	0.26
64332	'NFKBIZ'	77.98	69.01	55.15	53.18	10.98	77.49
64333	'ARHGAP9'	323.94	303.67	197.05	173.64	202.51	235.63
643338	'C15orf62	5.54	2.99	1.71	2.25	4.5	2.94
643376	'BTBD18'	0.23	0.13	0.16	0.16	0.05	0.08
643382	'TMEM253'	0.21	0.23	0.15	0.07	0.14	0.27
643394	'SPINK9'	0	0	0	0	0	0.04
6434	'TRA2B'	197.58	181.38	202.5	173.93	89.28	186.93
643418	'LIPN'	0	0	0	0	0.08	0
64342	'HS1BP3'	21.06	15.36	17.32	14.21	32.61	20.52
64343	'AZI2'	39.96	32.52	24.03	35.51	32.32	33.17
64344	'HIF3A'	0	0	0	0	0	0.02
64359	'NXN'	0.87	0.13	0.34	0.1	0.49	0.45
643596	'RNF224'	0.21	0	0.13	0	0	0.09
643641	'ZNF862'	10.83	8.46	4.8	5.76	16.21	10.44
643664	'SLC35G6'	0.13	0.1	0.38	0.09	0.29	0.11
643669	'CCER2'	4.91	5.93	2.13	3.04	0.73	2.1
643677	'CCDC168'	0.11	0.06	0.07	0.02	0.02	0.08
643680	'MS4A4E'	6.06	6.37	3.91	3.47	9.85	3.66
643699	'GOLGA8N'	76.71	49.9	28.82	36.35	15.22	22.39
643707	'GOLGA6L4	4.89	6.54	3.43	5.98	4.12	10.14
64374	'SIL1'	21.77	20.53	19.92	15.63	22.32	25.77
64375	'IKZF4'	19.74	10.05	8.94	7.75	8.78	16.74
64376	'IKZF5'	20.49	16.07	8.31	14.24	15.33	19.54
643802	'LOC6438(	0	0.07	0.02	0	0	0.13
643836	'ZFP62'	5.19	3.25	3.85	3.24	12.58	5.01
643853	'TMPPE'	1.32	0.45	0.54	0.54	1.22	1.04
643854	'CTAGE9'	0	0	0	0	0.1	0
64386	'MMP25'	338.56	268.31	220.83	112.06	159.53	159.96
643866	'CBLN3'	2.44	1.97	3.45	2.65	6.89	11.51
64388	'GREM2'	3.75	1.54	0.09	3.38	0.93	9.13
6439	'SFTPB'	0.05	0.04	0.08	0.04	0.04	0.09
643904	'RNF222'	0.06	0	0.03	0.12	0.23	0.11
643911	'CRNDE'	3.44	5.6	7.78	2.56	3.43	3.15
64393	'ZMAT3'	11.5	6.92	6.03	6.99	19.53	14.87
64395	'GMCL1'	31.97	22.38	24.06	16.5	19.91	22.08
64396	'GMCL2'	0	0.03	0	0	0	0.04
64397	'ZNF106'	16.47	8.45	9.69	7.22	13.11	12.38
64398	'MPP5'	3.22	2.54	2.74	1.81	2.95	2.94
643988	'FNDC10'	8.4	6.03	11.2	5.24	16.44	6.76
64399	'HHIP'	0	0	0	0.01	0	0.04
644	'BLVRA'	25.96	34.35	44.28	30.79	35.36	52.6
64400	'AKTIP'	26.41	29.38	27.72	21.33	34.7	33.15
644019	'CBWD6'	12.39	10.46	17.09	15.98	5.16	12.35
64403	'CDH24'	5.24	3.66	2.51	2.11	7.24	2.19
64407	'RGS18'	3.16	1.1	2.83	0.81	1.78	2.17
644096	'SDHAF1'	18.83	16	25.25	19.33	24.32	22.56

64410	'KLHL25'	3.5	2.95	1.86	2.95	3.23	2.83
644100	'ARL14EPI	0	0	0	0.22	0	0
64411	'ARAP3'	8.05	7.86	5.06	4.34	12.28	5.43
64412	'GZF1'	10.67	7.49	6.1	6.2	6.44	10.82
644150	'WIPF3'	0	0.05	0.02	0	0	0
644168	'DRGX'	0	0	0	0.03	0	0.04
64417	'TMEM267'	8.04	7.42	7.05	7.12	7.47	8.01
64418	'TMEM168'	11.94	7.95	5.95	7.37	11	6.91
644186	'SYCE3'	0	0	0.43	1.23	1.35	1.02
64419	'MTMR14'	75.95	62.46	57.24	57.71	53.68	70.84
6442	'SGCA'	0	0	0.07	0	0.08	0.17
64420	'SUSD1'	33.57	18.55	34.04	18.18	7.12	21.67
64421	'DCLRE1C'	22.45	12.53	14.67	14.65	15.1	18.24
64422	'ATG3'	60.99	55.65	89.59	58.21	64.29	89.25
64423	'INF2'	21.31	16.69	38.24	8.42	23.13	26.35
64425	'POLR1E'	22.66	19.01	27.27	18.06	20.78	24.19
64426	'SUDS3'	15.24	14.66	12.45	11.68	17.05	13.73
64427	'TTC31'	38.96	29.3	29.45	21.42	35.52	37.19
64428	'CIAO3'	18.99	20.13	18.12	14.65	20.09	23.98
64429	'ZDHHC6'	49.14	44.89	56.39	40.39	41.86	56.65
6443	'SGCB'	6.07	4.12	5.22	3.13	7.95	8.96
64430	'PCNX4'	24.69	15.18	9.19	12.02	15.48	10.52
64431	'ACTR6'	13.02	11.01	19.18	11.7	14.69	19.53
64432	'MRPS25'	9.98	8.07	12.77	9.95	10.4	10.52
64434	'NOM1'	11.77	7.23	8.23	7.2	4.13	7.42
644353	'ZCCHC18'	2.4	1.98	1.42	2.93	2.6	1.94
6444	'SGCD'	0.01	0.02	0.03	0.31	0.02	0.27
64446	'DNAI2'	0.19	0.37	0.44	0.13	1.06	0.66
6445	'SGCG'	0	0	0	0.06	0.07	0
644538	'SMIM10'	1.16	1.75	1.29	1.35	0.68	0.25
644596	'SMIM10L2	0.09	0.07	0.07	0.03	0.11	0.08
6446	'SGK1'	62.22	85.23	145.69	42.58	28.23	84.62
6447	'SCG5'	0.29	0.7	1.25	0.64	0.72	1.99
64478	'CSMD1'	0	0	0	0	0.01	0
6448	'SGSH'	33.99	33.78	16.69	26.27	44.08	49.66
644809	'C15orf56	0.06	0.14	0.05	0.04	0.1	0.22
644815	'FAM83G'	6.04	3.25	2.86	4.28	3.71	9.13
644890	'MEIG1'	0.36	0.64	0.53	0.2	0.28	0.31
6449	'SGTA'	96.27	82.49	85.31	59.92	71.26	65.32
644974	'ALG1L2'	0.27	0.33	0.5	0.19	0.26	0.15
64499	'TPSB2'	0.2	0.9	35.28	2.27	0	4.18
645	'BLVRB'	18.44	23.22	33.17	18.44	34.71	31.41
6450	'SH3BGR'	0.32	0.63	0.25	0.78	1.83	0.84
645027	'EVPLL'	0	0	0.14	0.08	0	0.16
64506	'CPEB1'	0.05	0.03	0.07	0.03	0.06	0.08
6451	'SH3BGRL'	150.37	138.17	126.4	151.19	125.24	159.47
645121	'CCNI2'	1.48	1.11	3.95	1.12	0.88	3.21
645177	'LOC64517	0	0	0	0	0	0.05
64518	'TEKT3'	0	0.14	0.07	0.07	0	0.46
645191	'LINGO3'	3.74	2.79	2.83	1.25	9.11	3.28
6452	'SH3BP2'	28	18.65	19.42	13.28	20.79	22.77
645202	'LOC6452(	0	0.05	0.13	0	0	0
6453	'ITSN1'	1.21	0.89	1.38	0.56	2.74	1.9
645369	'TMEM200(	0.08	0	0	0	0.03	0

645402	'USP17L4'	0	0	0	0.02	0	0.08
645426	'TMEM191C	0.51	0.86	0.22	1.29	2.88	1.12
645432	'ARRDC5'	1.3	2.58	2.28	3.07	5.32	2.7
6455	'SH3GL1'	74.68	53.35	62.21	42.1	78.86	67.02
64577	'ALDH8A1'	1.5	0.93	1.7	0.61	1.42	2.2
64581	'CLEC7A'	0.75	0.48	1.31	3.78	0.14	5.95
645811	'CCDC154'	0.18	0.05	0.05	0.09	0.19	0.27
64582	'GPR135'	0.75	0.51	0.24	0.53	0.83	0.6
645832	'SEBOX'	0	0.29	0	0	0	0
645836	'USP17L3'	0	0	0	0.02	0	0
645864	'MAGEB17'	0.2	0.15	0	0	0	0
645961	'SPATA31C	0	0	0	0.02	0.04	0
64598	'MOSPD3'	115.73	125.8	201.96	96.73	136.37	239.06
64599	'GIGYF1'	55.71	38.02	20.16	30.44	37.04	33.2
646	'BNC1'	0.03	0	0	0	0	0
64600	'PLA2G2F'	0	0	0	0	0	0.12
64601	'VPS16'	41.06	38.84	38.13	23.1	37.89	45.08
646019	'CBY3'	0	0.15	0.29	0	0.45	0.68
6461	'SHB'	0.14	0.06	0.18	0.13	0.64	0.2
646174	'C16orf9C	0	0	0	0	0	0.1
6462	'SHBG'	0.13	0	0.1	0	0.1	0
6464	'SHC1'	87.37	62.58	53.97	56.34	52.31	64.59
64641	'EBF2'	0.1	0.05	0	0	0	0
646424	'SPINK8'	0.44	0.22	0	0.1	0	0
64645	'MFSD14A'	100.56	82.45	77.1	69.54	59.55	95.09
646457	'C19orf67	0	0.08	0	0	0	0.04
64651	'CSRNP1'	109.04	116.37	75.56	104.86	35.04	119.81
646658	'SYNDIG1L	0.05	0.04	0	0.02	0.04	0.1
646754	'TRIM64C'	0	0	0	0	0.17	0
646799	'ZAR1L'	0.09	0	0	0	0	0
6468	'FBXW4'	57.53	53.99	46.05	41.57	44.15	62.5
646817	'SETSIP'	0	0.12	0.11	0.4	0.12	0.13
64682	'ANAPC1'	35.61	19.73	18.8	18.67	15.96	23.96
646851	'FAM227A'	0.01	0.03	0	0.09	0.03	0.01
646862	'RNF225'	0.16	0	0	0	0	0
64689	'GORASP1'	7.85	6.21	10.8	5.44	16.97	27.03
646892	'SH2D7'	0.07	0	0.16	0	0	0
6469	'SHH'	0.19	0.06	0.06	0.04	0.04	0.05
64699	'TMPRSS3'	0.87	1.52	1.61	0.55	8.17	7.38
6470	'SHMT1'	17.08	11.63	24.97	14.48	18.91	23.9
647024	'C6orf132	0.12	0.04	0.07	0.09	0	0.13
647042	'GOLGA6L1	1.87	1.77	0.77	1.78	2.16	1.59
64708	'COPS7B'	38.83	28.65	35.02	33.49	22.42	31.62
647087	'STMP1'	32.99	40.94	37.2	33.48	33.41	41.9
64710	'NUCKS1'	58.34	30.66	48.02	33.25	29.47	34.97
647135	'SRGAP2B'	20.37	12.37	9.64	7.49	6.7	10.81
64714	'PDIA2'	0	0	0	0	0	0.07
647174	'SERPINE3	0.19	0.04	0.03	0.07	0.14	0.09
64718	'UNKL'	9.25	6.83	5.04	6.4	15.16	9.32
6472	'SHMT2'	228.96	128.25	312.94	89.03	209.78	129.48
647219	'ASCL5'	0	0.15	0	0	0.08	0.18
6473	'SHOX'	0	0	0	0.07	0	0
647310	'TEX22'	0.14	0.45	0.29	0.29	0.51	0.24
6474	'SHOX2'	0	0.03	0	0.03	0	0

64743	'WDR13'	37.46	38.96	37.3	34.14	42.06	55.86
64744	'SMAP2'	397.17	304.32	347.58	213.07	331.7	404.55
64745	'METTL17'	61.47	58.47	63.04	63.53	45.47	65.51
64746	'ACBD3'	19.25	15.48	13.89	16.27	22.57	21.72
64747	'MFSD1'	29.96	20.35	28.48	30.73	21.55	41.74
64748	'PLPPR2'	4.43	4.6	2.55	4.25	3.13	3.54
64750	'SMURF2'	13.01	9.22	5.4	11.74	6.61	8.74
64753	'CCDC136'	3.58	2.69	1.99	1.95	2.61	3.54
64754	'SMYD3'	17.05	16.76	17.34	17.18	14.91	14.08
64755	'RUSF1'	30.25	29.05	27.79	21.2	43.35	28.55
64756	'ATPAF1'	37.41	31.88	46.36	26.98	47.7	41.06
64757	'MTARC1'	0.02	0.03	0.63	0.08	0.01	0
64759	'TNS3'	0.46	0.1	0.72	0.26	0.08	1.43
64760	'FAM160B2	19.51	24.18	13.37	14.04	21.73	27.65
64761	'PARP12'	40.94	32.43	41.98	63.83	33.42	112.96
64762	'GAREM1'	0	0	0	0	0.01	0
64763	'ZNF574'	16.48	14.17	7.6	12.79	18.76	11.44
64764	'CREB3L2'	21.53	15.09	10.87	12.52	17.88	15.88
64766	'S100PBP'	20.96	17.74	10.99	19.12	19.87	14.64
64768	'IPPK'	10.37	8.41	7.45	6.78	8.03	12.43
64769	'MEAF6'	16.12	14.53	17.56	15.59	16.41	17.8
6477	'SIAH1'	19	22.09	12.81	19.71	19.68	21.73
64770	'CCDC14'	23.76	22.64	17.66	14.92	24.53	17.54
64771	'ILRUN'	97.03	63.72	67.12	55.03	74.79	94.79
64772	'ENGASE'	14.3	16.15	9.7	8.87	13.86	9.64
64773	'PCED1A'	20.62	29.65	17.49	18.1	40.28	30.93
64776	'C11orf1'	9.34	18.4	18.85	17.24	22.29	21.95
64777	'RMND5B'	2.92	3.31	6.31	2.36	11.72	9.55
64778	'FNDC3B'	39.26	18.43	10.21	19.5	8.07	17.33
64779	'MTHFSD'	5.02	4.56	6.07	4.39	12.2	8.14
6478	'SIAH2'	59.17	50.33	48.09	47.5	55.54	46.68
64780	'MICAL1'	68.08	74.45	53.68	30.67	71.24	68.54
64781	'CERK'	52.36	38.16	43.82	49.29	46.3	60.28
64782	'AEN'	21.44	16.22	24.86	17.99	49.18	49.81
64783	'RBM15'	21.81	10.5	7.5	11.66	12.61	9.93
64784	'CRTC3'	53.67	35.19	29.86	24.65	31	46.89
64785	'GINS3'	24.41	11.83	28.52	10.89	10.22	12.13
64786	'TBC1D15'	41.1	24.02	23.14	25.29	28.77	34.04
64787	'EPS8L2'	5.82	9.37	9.51	7.13	25.45	8.72
64788	'LMF1'	3.84	3.62	4.13	2.96	3.87	5.48
64789	'EXO5'	6.37	6.91	7.25	5.28	8.69	8.24
64792	'IFT22'	1.99	2.21	2.33	2.1	2.15	2.67
64793	'CEP85'	28.63	18.46	20.99	14.85	15.87	20.22
64794	'DDX31'	6.4	4.66	3.9	4.88	3.68	4.25
64795	'RMND5A'	24.33	20.07	14.27	18.01	22.03	20.75
64798	'DEPTOR'	0.36	0.04	0.19	0.32	0.72	0.72
64799	'IQCH'	0.16	0.15	0.11	0.26	0.34	0.52
648	'BMI1'	38.39	23.9	20.53	25.05	24.85	37.61
6480	'ST6GAL1'	26.42	12.74	26.87	23.77	39.57	54.26
64800	'EFCAB6'	0	0	0.03	0	0.04	0.09
64801	'ARV1'	13.83	12.56	16.62	11.33	24.72	20.66
64802	'NMNAT1'	2.41	1.34	3.1	1.07	6.1	3.99
64805	'P2RY12'	0	0	0	0.04	0	0
64816	'CYP3A43'	0	0	0	0.04	0.21	0.05

6482	'ST3GAL1'	108.46	67.18	49.25	50.5	81.1	55.49
6483	'ST3GAL2'	5.74	4.18	6.28	2.84	7.15	6.4
64834	'ELOVL1'	145.09	127.22	150.22	146.74	96.5	173.47
64837	'KLC2'	24.51	23.28	26.15	19.04	17.06	38.24
64838	'FNDC4'	0	0.06	0.13	0	0.19	0
64839	'FBXL17'	6.45	5.42	4.55	4.37	6.52	8.7
6484	'ST3GAL4'	21.49	19.74	21.91	12.88	18.13	12.97
64840	'PORCN'	98.18	105.19	66.73	60.03	56.89	87.35
64841	'GNPNAT1'	11.17	6.1	9.37	7.45	4.76	11.98
64843	'ISL2'	2.25	2.61	2.18	0.42	3.16	2.43
64844	'MARCHF7'	44	30.12	35.21	38.75	58.3	70.74
64847	'SPATA20'	14.03	17.07	22.27	19.41	19.47	25.03
64848	'YTHDC2'	12.49	13.09	10.71	11.56	11.25	13.58
64849	'SLC13A3'	0	0.12	0.12	0.02	0.03	0.14
64850	'ETNPPL'	0	0	0	0.05	0	0
64852	'TUT1'	8.66	8.9	11.09	6.49	17.09	10.26
64853	'AIDA'	53.21	37.16	54.95	43.8	53.56	68.13
64854	'USP46'	3.91	3.71	2.19	2.46	3.55	4.59
64855	'NIBAN2'	35.98	26.65	40.78	24.14	17.72	63.18
64856	'VWA1'	0.09	0.07	0.07	0	0.76	0.03
64857	'PLEKHG2'	26.51	20.35	17.16	10.55	22.83	22.78
64858	'DCLRE1B'	11.56	5.57	8.63	4.89	8.15	5.16
64859	'NABP1'	7.24	4.86	4.78	5.13	7.17	9.12
64860	'ARMCX5'	4.54	4.78	3.91	5.86	4.33	6.59
64863	'METTL4'	10.29	8.09	8.06	7	7.19	9.21
64864	'RFX7'	25.48	13.01	7.72	9.04	13.79	14.85
64866	'CDCP1'	3.42	1.19	0.92	1.29	0.25	0.73
6487	'ST3GAL3'	5.32	5.52	7.08	4.51	4.15	5.05
648791	'PPP1R3G'	0.06	0	0	0.06	0.21	0
6489	'ST8SIA1'	0.16	0.07	0.04	0.12	0.31	0.23
64895	'PAPOLG'	12.11	8.87	5.36	9.76	8.39	9.94
64897	'C12orf43'	14.27	12.23	13.78	11.69	9.33	14.26
649	'BMP1'	9.09	6.38	4.29	6.7	5.33	10.68
6490	'PMEL'	0.36	0.15	0.32	0.26	0.58	0.51
64900	'LPIN3'	0.19	0.31	0.26	0.22	0.48	0.1
64901	'RANBP17'	0.08	0.02	0.06	0	0.06	0
6491	'STIL'	22.79	10.48	16.21	7.25	10.1	10.42
649137	'ZSCAN5C'	0	0	0	0	0.07	0
64919	'BCL11B'	14.82	9.38	10.81	14.15	16.58	21.29
6492	'SIM1'	0.17	0.06	0.09	0	0.09	0.01
64921	'CASD1'	15.84	10.3	8.68	10.82	7.3	12
64922	'LRRC19'	0	0.08	0.05	0.1	0.06	0.09
649238	'PNMA6E'	0.05	0.03	0	0	0.03	0.1
64924	'SLC30A5'	32.76	24.27	24.33	24.95	27.16	23.75
64925	'CCDC71'	8.46	5.36	12.49	7.4	19.89	16.8
64926	'RASAL3'	185.89	128.84	121.95	119.5	140.76	209.69
64927	'TTC23'	0.54	0.15	0.26	0.22	0.64	0.42
64928	'MRPL14'	23.34	28.98	47.46	34.59	38.13	41.31
6494	'SIPA1'	59.41	58.55	94.18	35.24	85.57	93.85
64943	'NT5DC2'	57.14	42.66	61.07	19.59	49.66	23.17
64946	'CENPH'	26.51	26.44	45.54	17.85	16.89	10.95
64949	'MRPS26'	39.52	41.48	56.02	37.77	35.35	38.93
6495	'SIX1'	0.19	0.15	0.73	0.02	0.23	0.17
64951	'MRPS24'	100.84	128.37	163.99	132.36	104.03	138.83

6496	'SIX3'	0.14	0.07	0.14	0.03	0	0.08
64960	'MRPS15'	146.96	167.22	258.35	152.66	88.36	195.79
64963	'MRPS11'	20.08	27.84	34.82	24.28	23.85	27.94
64965	'MRPS9'	31.05	27.85	34.97	25.95	23.66	36.6
64968	'MRPS6'	182.45	181.09	231.27	224.66	235.99	387.78
64969	'MRPS5'	21.82	21.14	29.67	18.57	21.73	24.72
6497	'SKI'	40.11	12.21	17.33	22.4	27.16	33.3
64975	'MRPL41'	167.24	237.14	287.29	188.19	144.53	241.61
64976	'MRPL40'	29.98	39.98	42.65	26.9	39.46	34.61
64978	'MRPL38'	56.59	58.71	88.6	52.52	44.96	77.22
64979	'MRPL36'	55.35	53.71	113.24	54.77	64.06	85.21
6498	'SKIL'	25.35	8.59	7.07	15.52	4.87	18.43
64981	'MRPL34'	79.4	109.89	153.11	118.51	108.99	178.24
64983	'MRPL32'	72.26	62.22	88.24	76.16	68.93	96.53
6499	'SKIV2L'	32.73	23.98	26.68	12.26	24.01	32.51
650	'BMP2'	0	0.03	0.03	0	0	0
6500	'SKP1'	85.53	82.2	80.68	85.05	63.74	87.1
65003	'MRPL11'	53.1	51.31	73.13	60.67	29.37	43.96
65005	'MRPL9'	93.04	98.31	127.11	81.03	60.17	114.35
65008	'MRPL1'	22.05	18.06	36.71	21.89	19.38	32.73
65009	'NDRG4'	0.31	0.59	0.62	0.63	0.48	0.2
65010	'SLC26A6'	23.98	27.7	25.12	16.99	30.78	30.97
65012	'SLC26A1C	0.06	0	0	0	0	0
65018	'PINK1'	23.96	20.4	12.7	16.56	27.41	24.82
6502	'SKP2'	21.48	12.53	17.14	13.35	11.67	10.55
6503	'SLA'	232.96	155.39	128.65	120.94	127.41	199.97
6504	'SLAMF1'	51.82	43.86	45.33	38.23	23.72	77.9
6505	'SLC1A1'	0.04	0.02	0.05	0.03	0.21	0.28
65055	'REEP1'	0	0	0	0	0.03	0.03
65056	'GPBP1'	43.92	43.23	40.5	40.56	45.87	57.98
65057	'ACD'	35.43	33.45	57.57	26.58	43.12	40.77
65059	'RAPH1'	0.12	0.09	0.03	0.06	0.1	0.44
6506	'SLC1A2'	0.07	0.02	0.01	0.1	0	0.06
65061	'CDK15'	0	0.03	0.54	0	0	0
65062	'TMEM237'	6.77	5.38	7.33	5.28	6.48	3.77
65065	'NBEAL1'	3.36	2.9	2.27	3.12	5.42	3.32
6507	'SLC1A3'	0	0.13	0.1	0.45	0	0.12
65078	'RTN4R'	1.33	0.42	1.3	0.98	1.42	3.56
65080	'MRPL44'	29.92	27.85	36.96	32.41	36.36	45.07
65082	'VPS33A'	15.83	11.52	13.64	12.52	17.12	18.26
65083	'NOL6'	23.64	15.17	12.95	14.2	5	17.58
65084	'TMEM135'	10.58	8.77	11.76	8.08	11.92	19.15
6509	'SLC1A4'	254.86	143.95	93.48	105.21	144.31	135.41
65094	'JMJD4'	39.02	39.06	45.98	28.25	63.62	57.6
65095	'KRI1'	33.08	26.08	33.55	19.52	30.83	37.04
651	'BMP3'	0	0	0	0.03	0.05	0
6510	'SLC1A5'	698.46	322.25	474.52	242.18	277.06	345.57
65108	'MARCKSL1	23.82	27.49	29.88	31.39	39.54	36.94
65109	'UPF3B'	14.19	9.74	14.52	11.33	13.68	12.49
65110	'UPF3A'	49.3	44.93	44.61	46.68	47.91	64.35
65117	'RSRC2'	94.36	93.09	62.86	92.35	47.36	103.98
6512	'SLC1A7'	0.11	0.55	0.33	0.67	0.04	0.44
65123	'INTS3'	14.98	10.12	18.16	8.46	21.28	22.78
65124	'SOWAHC'	0.3	0.14	0.34	0.14	0.06	0.43

65125	WNK1	92.17	41.23	33.67	35.87	51.49	61.43
6513	SLC2A1	133.52	80.41	95.58	87.63	271.05	115.45
6514	SLC2A2	0	0	0.03	0	0	0
6515	SLC2A3	144.51	87.48	99.04	89.52	443.63	142.69
651746	ANKRD33B	4.7	2.3	3.2	0.94	5.14	4.5
6518	SLC2A5	0.03	0.07	0.21	0.1	0.1	0.69
6519	SLC3A1	0.18	0.09	0	0.13	0.21	0
652	BMP4	0.16	0.06	0.05	0	0	0
6520	SLC3A2	373.42	205.85	245.11	218.43	182.87	255.6
6521	SLC4A1	0	0	0.24	0.02	0	0
65217	PCDH15	0	0	0	0	0	0.03
6522	SLC4A2	63.23	46.56	57.86	31.22	68.81	80.59
65220	NADK	50.42	40.65	51.96	37.91	34.84	65.53
6523	SLC5A1	0	0.02	0	0	0	0
6524	SLC5A2	0.07	0.09	0	0.05	0.05	0
65243	ZFP69B	3.45	1.31	1.73	1.9	4.1	1.77
65244	SPATS2	7.13	7.38	6.61	5.44	6.98	10.87
65249	ZSWIM4	11.01	7.93	4.28	4.82	6.95	6.43
6525	SMTN	9.84	8.13	13.78	4.47	10.9	9.57
65250	CPLANE1	4.21	1.58	1.19	1.24	1.29	2.12
65251	ZNF649	2.61	1.61	1.71	1.55	1.79	1.87
65258	MPPE1	30.28	32.35	22.54	28.5	20.69	28.36
6526	SLC5A3	26.08	11.37	6.56	13.02	21.26	13.76
65260	COA7	6.53	4.41	7.46	4.24	3.33	8.53
65263	PYCR3	2.75	1.59	4.76	1.29	1.91	3.91
65264	UBE2Z	98.27	55.47	55.44	64.18	75.81	83.79
65265	C8orf33	31.92	24.04	24.77	24.8	13.68	25.46
65266	WNK4	0.11	0.03	0.07	0.03	0	0.03
65267	WNK3	0	0	0	0.01	0.01	0.01
65268	WNK2	0.02	0	0.01	0	0	0
6528	SLC5A5	1.53	0.83	0.51	0.68	0.63	1.08
652968	CASTOR1	2.28	4.53	9.05	2.2	9.26	5.99
653061	GOLGA8S	1.59	1.55	0.8	0.83	0.6	0.27
653073	GOLGA8J	6.98	5.25	2.6	3.72	1.4	1.65
653075	GOLGA8T	16.29	5.67	2.63	3.16	2.49	2.01
653082	ZDHHC11B	1.53	1.26	0.42	0.84	0.6	0.73
6531	SLC6A3	0.03	0	0	0.04	0	0
653121	ZBTB8A	0.04	0.04	0.07	0.05	0.12	0.26
653125	GOLGA8K	4.23	3.69	0.88	3.83	1.19	1.1
653140	FAM228A	0.23	0.17	0	0.26	0.29	0.07
653145	ANXA8	0	0	0	0	0	0.06
653149	NBPF6	0.11	0.02	0.14	0.22	0.3	0.02
6532	SLC6A4	0.14	0.18	0.07	0.18	0.14	0.21
653220	XAGE1A	0	0	0	0	0	0.46
653269	POTEI	0.02	0.04	0	0	0.01	0
653275	CFC1B	0	0	0.25	0	0	0.07
6533	SLC6A6	113.93	49.8	39.21	61.01	59.94	72.41
653308	ASAH2B	1.84	1.68	1.64	2.41	2.37	1.69
653319	KIAA0895	17.71	22.37	15.08	8.98	31.08	19.77
653333	FAM86B2	0	0	0	0	0	0.13
653361	NCF1	27.43	23.16	33.66	12.76	19.32	38.67
6534	SLC6A7	0	0	0	0	0.06	0
653427	FOXD4L5	0.12	0.03	0.06	0.2	0.3	0.11
653464	SRGAP2C	8.29	7.21	6.66	6.04	5.28	10.1

653489	'RGPD3'	0.38	0.21	0.13	0.16	0.14	0.12
653499	'LGALS7B'	0	0	0	0	0.38	0
6535	'SLC6A8'	1.73	1.92	0.98	1.65	19.08	3.08
653519	'GPR89A'	42.2	31.43	23.44	28.33	22.38	24.37
653567	'TMEM236'	0.22	0.1	0.16	0.03	0.16	0.2
653583	'PHLDB3'	2.34	6.35	4.79	2.86	7.66	7.42
653598	'PPIAL4C'	0.23	0.51	0	0.32	0.56	0.39
6536	'SLC6A9'	4.65	0.95	4.43	0.69	1.15	3.33
653604	'H3C13'	0.57	0.43	0	0	0	0.49
653641	'GOLGA6C'	0.12	0.14	0.07	0.1	0.04	0.31
653659	'TMEM183E	2.85	2.09	2.72	5.34	1.71	7.25
653689	'GSTT2B'	0.28	0.42	0.43	0.1	0.87	0
653720	'GOLGA8M'	16.5	5.8	2.05	3.52	2.61	2.16
653781	'POTEJ'	0.07	0	0	0	0	0
653784	'MZT2A'	401.6	619.39	483.96	312.09	359.34	310.68
6538	'SLC6A11'	0	0.01	0	0	0	0.01
653808	'ZG16'	0	0	0	0	0	0.21
653820	'FAM72B'	16.91	10.21	26.44	8.1	1.59	8.47
653857	'ACTR3C'	1.99	1.37	1.88	1.38	1.98	2.97
6539	'SLC6A12'	0.05	0	0	0.17	0	0.14
654	'BMP6'	0.03	0	0.07	0.02	0	0.21
6540	'SLC6A13'	0.14	0.4	0.27	0.19	0	0.36
6541	'SLC7A1'	66.92	18.36	31.64	19.56	20.78	19.79
654231	'OCM'	0	0.47	0.46	0.43	0.24	0.54
654254	'ZNF732'	0.28	0.26	0.29	0.2	0.13	0.59
6543	'SLC8A2'	0	0	0.03	0.02	0.02	0.07
654346	'LGALS9C'	4.54	7.36	5.66	4.7	2.73	3.33
654364	'NME1-NME	5.69	3.57	12.03	5.28	2.18	5.59
654429	'LRTM2'	0	0	0.03	0	0	0.2
654463	'FER1L6'	0	0	0	0	0.03	0
654483	'BOLA2B'	496.36	619.78	929.07	545.88	415.37	419.1
6545	'SLC7A4'	0.06	0	0	0.04	0.27	0
6546	'SLC8A1'	0	0.02	0.03	0.03	0	0.05
6547	'SLC8A3'	0	0.02	0.2	0	0.03	0
654790	'PCP4L1'	0	0	0.15	0.14	0.48	0
6548	'SLC9A1'	27.25	20.31	21.62	12.45	17.81	27.88
655	'BMP7'	0.06	0.05	0.07	0.2	0.05	0.19
6550	'SLC9A3'	7.72	6.81	6.2	5.82	8.06	7
6553	'SLC9A5'	3.67	2.27	1.96	1.22	2.48	1.61
6554	'SLC10A1'	0	0.05	0	0.05	0	0.18
6555	'SLC10A2'	0.04	0.03	0	0	0	0
6556	'SLC11A1'	0.62	1	0.72	0.69	1.43	0.78
6558	'SLC12A2'	11.38	5.91	4.99	5.71	5.41	5.96
6559	'SLC12A3'	0.02	0	0	0	0	0.04
656	'BMP8B'	4.05	3.54	1.2	1.3	1.65	1.22
6560	'SLC12A4'	8.67	8.02	9.64	4.14	13.87	10.28
6563	'SLC14A1'	0.69	1.36	0.46	1.11	2.51	1.11
6564	'SLC15A1'	0	0.03	0	0	0.03	0
6565	'SLC15A2'	0.5	0.39	0.83	0.23	1.37	0.7
6566	'SLC16A1'	28.66	19.01	25.5	16.01	38.01	25.82
6567	'SLC16A2'	0.03	0.02	0	0	0.05	0.03
6568	'SLC17A1'	0	0.06	0	0.26	0	0.19
6569	'SLC34A1'	0.7	2.9	1.37	0.62	4.49	0.38
657	'BMPR1A'	3.19	2.91	3.23	3.29	5.7	5.12

6571	'SLC18A2'	0	0	0.86	0	0	0
6573	'SLC19A1'	15.54	6.8	25.43	5.89	10.81	11.19
6574	'SLC20A1'	99.58	70.1	88.42	69.99	53.61	102.94
6575	'SLC20A2'	10.11	7.31	9.64	7.31	3.27	15.04
6576	'SLC25A1'	48.36	52.67	66.85	35.31	66.51	57.45
6579	'SLCO1A2'	0.11	0.04	0.02	0.05	0.28	0.17
658	'BMPR1B'	0	0.02	0	0	0	0
6580	'SLC22A1'	0.16	0.38	0.11	0.39	0.18	0.85
6581	'SLC22A3'	0.5	0.31	0.1	0.24	0.34	0.33
6583	'SLC22A4'	0.4	0.21	0.26	0.28	0.11	0.63
6584	'SLC22A5'	5.93	5	2.15	4.93	2.99	2.36
6585	'SLIT1'	0.27	0.3	0.13	0.06	0.05	0.16
6586	'SLIT3'	0	0	0	0.01	0	0.02
659	'BMPR2'	4.42	3.55	2.02	2.85	3.89	4.7
6590	'SLPI'	0	0	1.56	0	0.82	0.31
6594	'SMARCA1'	0	0	0.02	0	0	0.03
6595	'SMARCA2'	74.99	68	64.7	50.95	93.78	69.38
6596	'HLTF'	8.73	4.81	7.32	5.41	9.55	6.07
6597	'SMARCA4'	51.49	26.95	39.58	25.3	30.29	43.76
65975	'STK33'	0.44	0.26	0.26	0.53	0.16	0.31
65977	'PLEKHA3'	4.71	4.07	3.04	3.75	3.47	5.08
65979	'PHACTR4'	20.18	12.88	10.62	11.56	10.04	14.35
6598	'SMARCB1'	38.88	29.88	35.58	28.52	28.12	27.33
65980	'BRD9'	42.76	29.89	22.16	31.08	22.26	28.42
65981	'CAPRIN2'	12.98	12.74	7.16	9.27	15.14	12.87
65982	'ZSCAN18'	1.19	1.24	1.72	2.44	0.56	3.49
65983	'GRAMD2B'	5.7	5.57	3.82	4.71	3.48	6.19
65985	'AACS'	21.57	14.69	18.67	11.3	16.88	11.52
65986	'ZBTB10'	6.54	2.82	2.76	3.36	1.44	3.21
65987	'KCTD14'	0	0	0.1	0.08	0	0
65988	'ZNF747'	6.12	4.78	5.48	5.69	6.5	6.93
65989	'DLK2'	1.24	0.47	0.57	0.76	1.76	1.18
6599	'SMARCC1'	35.59	17.68	22.21	19.4	21.79	24.07
65990	'ANTKMT'	17.23	20.97	22.46	12.87	9.07	23.37
65991	'FUNDC2'	13.3	12.63	13.52	12.75	7.26	10.73
65992	'DDRGK1'	95.88	79.78	86.37	62.43	84.07	107.53
65993	'MRPS34'	94.81	105.86	183.43	91.07	91.67	140.97
65997	'RASL11B'	0.14	0.47	0.36	0.24	0.22	0.12
65998	'C11orf95	2.54	2.9	2.83	2.12	3.6	3.46
65999	'LRRC61'	9.12	8.78	10	5.28	20.67	26.32
660	'BMX'	0	0	0.06	0	0	0
66002	'CYP4F12'	0.12	0	0	0.12	0.05	0.11
66004	'LYNX1'	0.35	0.23	0.67	0.17	0.04	0.65
66005	'CHID1'	27.54	24.44	33.26	22.4	17.39	25.63
66008	'TRAK2'	30.34	16.44	14.69	17.56	20.22	24.97
6601	'SMARCC2'	56.81	32.66	41.42	25.03	60.13	53.49
6602	'SMARCD1'	87.43	57.11	53.04	50.05	35.66	64.73
6603	'SMARCD2'	88.5	64.98	95.6	53.88	87.52	95.35
66035	'SLC2A11'	2.43	2.11	1.88	2.02	7.38	2.95
66036	'MTMR9'	14.22	8.79	5.31	6.99	3.77	7.06
66037	'BOLL'	0	0.11	0	0	0	0
6604	'SMARCD3'	0.58	1.07	1.43	1.45	2.98	1.32
6605	'SMARCE1'	47.22	40.84	44.18	35.72	43.48	50.78
6606	'SMN1'	52.67	42.08	40.09	29.58	19.12	36.8

6607	'SMN2'	73.85	46.38	54.04	68.62	53.98	26.23
6608	'SMO'	0	0	0.05	0.04	0	0.08
6609	'SMPD1'	50.03	31.56	41.41	35.07	42.11	58.53
661	'POLR3D'	13.04	9.14	7.35	8.96	6.37	8.4
6610	'SMPD2'	10.2	9.99	19.9	10.37	13.62	17.5
6611	'SMS'	77.34	57.36	98.96	50.68	64.43	48.67
6612	'SUMO3'	148.22	133.29	163.93	130.42	89.86	153.75
6613	'SUMO2'	81.25	69.07	111.54	74.64	101.11	112.64
6614	'SIGLEC1'	0.02	0	0	0.01	0	0.02
6615	'SNAI1'	5.95	9.82	2.25	5.21	0.19	2.36
6617	'SNAPC1'	3.98	1.8	4.29	3.19	6.15	4.25
6618	'SNAPC2'	37.22	40.17	38.64	28.89	30.36	33.03
6619	'SNAPC3'	11.33	6.47	11.74	6.87	26.7	13.85
662	'BNIP1'	15.79	23.31	25.17	19.84	13.85	26.67
6620	'SNCB'	0	0	0	0	0.26	0
6621	'SNAPC4'	23.98	19.2	13.99	13.84	15.29	19.11
6622	'SNCA'	3.21	1.97	1.41	2.61	0.33	1.67
6624	'FSCN1'	1.85	1.73	4.85	0.4	10.31	4.2
6625	'SNRNP70'	225.45	166.84	200.42	180.67	185.99	217.53
6626	'SNRPA'	200.73	177.61	226.66	149.7	114.95	141.65
6627	'SNRPA1'	97.2	105.45	142.61	92.8	63.67	98.18
6628	'SNRPB'	498.86	423.58	532.22	494.5	253.97	329.95
6629	'SNRPB2'	77.87	69.76	83.86	81.8	56.32	73.82
663	'BNIP2'	35.94	26.75	28.97	24.38	26.39	34.7
6631	'SNRPC'	283.47	275.55	352.35	274.98	149.85	257.17
6632	'SNRPD1'	27.84	23.72	42.97	22.36	11.09	23.39
6633	'SNRPD2'	219.95	298.8	366.33	365.85	199.78	221.28
6634	'SNRPD3'	58.68	48.28	69.67	51.22	37.91	40.31
6635	'SNRPE'	57.6	62.47	88.94	73.79	37.11	47.3
6636	'SNRPF'	68.18	65.52	105.98	74.95	36.69	58.22
6637	'SNRPG'	149.51	163.36	336.06	171.42	129.29	197.04
6638	'SNRPN'	58.29	66.09	56.52	64.47	85.44	76.02
664	'BNIP3'	2.32	5.59	9.9	7.29	117.68	12.94
6640	'SNTA1'	9.85	12.43	5.92	14.17	10.56	17.85
6641	'SNTB1'	8.57	5.67	8.34	6.45	10.73	7.7
6642	'SNX1'	19.64	12.61	17.7	12.36	22.46	21.24
6643	'SNX2'	8.82	7.98	7.79	7.55	12.09	14.27
6645	'SNTB2'	8.66	5.75	4.27	5.08	7.2	6.91
6646	'SOAT1'	60.39	18.42	32.38	21.66	26.62	39.96
6647	'SOD1'	309.58	320.86	435.16	330.9	204.37	336.26
6648	'SOD2'	51.27	35.84	37.88	35.16	26.01	44.32
665	'BNIP3L'	39.87	53.19	23.22	34.66	217.14	28.6
6650	'CAPN15'	40.5	32.5	35.25	21.04	35.34	51.61
6651	'SON'	166.97	104.08	103.86	110.68	100.18	149.77
6652	'SORD'	1.83	2.05	3.5	1.74	4.1	3.78
6653	'SORL1'	24.79	16.31	10.57	18.21	29.86	22.12
6654	'SOS1'	146.29	97.46	62.17	76.4	76.93	135.84
6655	'SOS2'	30.06	19.9	12.46	15.33	22.49	17.16
6656	'SOX1'	0.03	0	0	0	0	0
6657	'SOX2'	0	0	0	0.04	0	0.18
6659	'SOX4'	2.3	1.05	0.97	0.57	0.5	0.83
666	'BOK'	0.12	0.04	0.13	0.28	0.46	0.2
6660	'SOX5'	0.27	0.1	0.03	0	0.1	0.07
6663	'SOX10'	0	0	0.07	0.06	0	0

6665	'SOX15'	3.23	1.6	0.91	0.47	1.13	1.17
6666	'SOX12'	2.51	2.33	2.59	3.14	2.91	4.06
6667	'SP1'	26.13	12.79	13.46	11.96	20.7	19.96
6668	'SP2'	99.86	45.95	42.3	39.3	25.89	50.25
667	'DST'	6.02	1.47	0.94	0.33	2.03	0.44
6670	'SP3'	46.82	28.66	22.61	30.34	32.85	35.09
6671	'SP4'	20.67	11.49	15.56	9.51	12.94	13.86
6672	'SP100'	101.62	79.14	77.4	120.91	83.4	166.21
6674	'SPAG1'	20.29	14.06	9.38	10.85	4.34	7.6
6675	'UAP1'	31.66	26.06	28.75	22.68	44.81	27.34
6676	'SPAG4'	1.76	1.8	2.9	0.98	3.68	2.2
6678	'SPARC'	0	0.11	0.08	0.08	0.03	0.1
668	'FOXL2'	0	0	0	0.03	0.03	0.04
6683	'SPAST'	8.07	6.13	6.38	5.82	5.58	8.44
6687	'SPG7'	42.59	37.79	29.9	30.76	39.2	48.44
6688	'SPI1'	1.9	0.72	8.91	3.64	0.91	6.48
6689	'SPIB'	0.29	0.1	0.8	0.59	0.18	1.65
669	'BPGM'	30.56	35.09	34.36	38.39	21.08	54.51
6691	'SPINK2'	6.26	12.83	3.42	2.69	1.37	0.22
6692	'SPINT1'	0.93	0.74	1.48	0.98	4.84	1.77
6693	'SPN'	102.87	46.83	91.02	42.81	104.38	92.15
6694	'SPP2'	0.05	0	0.04	0	0	0.09
6695	'SPOCK1'	0.05	0.04	0.12	0.02	0.18	2.2
6696	'SPP1'	0	0.07	1.07	4.31	0.28	0.79
6697	'SPR'	0.4	0.23	1.12	0.99	0.31	1.32
670	'BPHL'	1.86	2.69	3.17	1.91	4.26	3.26
6708	'SPTA1'	0	0	0.25	0	0	0
6709	'SPTAN1'	74.5	42.17	58.73	35.7	66.85	102.28
671	'BPI'	0	0.11	0.61	0.05	0	0
6710	'SPTB'	0.02	0	0.08	0	0	0.02
6711	'SPTBN1'	54.52	18.79	32.82	10.36	16.88	31.28
6712	'SPTBN2'	0.05	0.12	0.04	0.09	0.14	0.12
6713	'SQLE'	52.07	37.9	50.04	28.16	19.76	43.31
6714	'SRC'	2.64	1.74	1.14	1.13	0.94	1.72
6715	'SRD5A1'	2.43	1.68	2.63	1.55	3.09	2.41
6716	'SRD5A2'	0	0	0	0	0	0.05
6717	'SRI'	83.28	73.24	111.21	66.67	73.31	79.24
6718	'AKR1D1'	0	0	0	0	0.04	0.04
672	'BRCA1'	8.01	4.6	12.82	2.87	8.66	5.39
6720	'SREBF1'	59.6	30.22	48.62	35.49	41.74	73.9
6721	'SREBF2'	174.34	91.12	90.04	67.3	74.56	97.08
6722	'SRF'	62.13	45.09	55.3	40.53	36.88	66.01
6723	'SRM'	96.42	58.83	124.5	77.88	29.94	115.36
6725	'SRMS'	0.16	0	0	0	0	0.14
6726	'SRP9'	289.39	258.62	316.75	279.29	210.37	291.42
6727	'SRP14'	382.78	372.52	373.25	348.35	278.75	364.75
6728	'SRP19'	48.76	50.59	61.42	52.53	44.03	73.31
6729	'SRP54'	55	28.29	46.15	28.34	51.94	48.63
673	'BRAF'	14.64	9.48	5.67	8.5	8.97	10.41
6730	'SRP68'	48.97	34.58	47.15	31.16	58.65	49.26
6731	'SRP72'	76.6	45.97	56.83	43.68	63.22	56.49
6732	'SRPK1'	26.92	19.27	31.86	17.51	20.67	27.01
6733	'SRPK2'	21.56	13.8	17	14.96	26.81	27.27
6734	'SRPRA'	173.16	105.9	117.15	97.76	111.73	121.79

6737 'TRIM21'	31.99	31.38	46.15	39.3	52.28	79.29
6738 'RO60'	23.51	16.96	11.28	14.75	17.06	17.89
6741 'SSB'	64.15	49.67	86.4	52.43	56.1	85.71
6742 'SSBP1'	180.69	159.55	253.78	176.34	136.79	206.12
6744 'ITPRID2'	33.88	19.71	16.1	19.27	17.42	20.14
6745 'SSR1'	33.99	20.73	26.15	20.39	36.6	30.32
6746 'SSR2'	842.89	923.36	868.71	746.76	1268.13	787.26
6747 'SSR3'	49.55	35.16	44.91	40.15	60.08	54.51
6748 'SSR4'	394.3	551.58	398.27	579.4	547.21	493.15
6749 'SSRP1'	165.85	106	183.97	107.82	88.84	110.05
675 'BRCA2'	9.39	2.88	3.89	2.54	3.02	2.61
6751 'SSTR1'	0	0	0	0	0.02	0
6752 'SSTR2'	0.84	1.19	0.77	0.54	1.45	0.79
6753 'SSTR3'	1.01	0.38	1.48	2.54	2.83	1.95
676 'BRDT'	0.09	0.06	0.06	0.12	0.27	0.19
6760 'SS18'	65.51	40.86	37.53	42.67	44.47	52.88
6764 'DENND2B'	0.88	0.62	0.24	1.31	0.21	1.17
6767 'ST13'	99.59	86.75	91.45	88.64	113.36	102.58
6768 'ST14'	0.08	0.06	0	0.57	0.03	0.37
6769 'STAC'	1.38	0.74	0.37	0.03	0.04	0
677 'ZFP36L1'	194.9	185.73	78.09	162.53	61.01	223.37
6770 'STAR'	0.15	0.12	0.19	0.07	0	0.4
6772 'STAT1'	115.33	48.41	128.89	116.92	103.98	374.11
6773 'STAT2'	25	16.78	18.27	26.68	22.73	58.78
6774 'STAT3'	48.11	26.05	29.78	30.85	92.36	69.52
6775 'STAT4'	95.39	108.04	112.27	73.07	110.11	125.41
6776 'STAT5A'	49.9	35.67	37.04	33.18	28.94	36.03
6777 'STAT5B'	53.64	42.9	46.03	33.29	61.39	64.99
6778 'STAT6'	56.87	50.96	59.33	38.38	77.61	93.56
678 'ZFP36L2'	268.7	193.06	204.84	143.28	314.17	241.62
6780 'STAU1'	57.69	43.46	42.93	43.92	54.93	55.7
6782 'HSPA13'	39.73	19.73	21.17	22.41	39.77	22.28
6785 'ELOVL4'	2.01	1.65	2.77	3.12	4.71	3.3
6786 'STIM1'	87.56	69.83	67.98	39.9	62.63	99.71
6787 'NEK4'	11.89	5.41	7.42	6.21	5.35	7.73
6788 'STK3'	2.43	1.62	3.14	1.87	1.54	3.63
6789 'STK4'	83.37	45.22	41.8	52.48	51.68	64.63
6790 'AURKA'	42.93	23.54	56.16	19.94	20.84	25.02
6792 'CDKL5'	0.28	0.17	0.15	0.25	0.49	0.44
6793 'STK10'	176.37	128.72	126.48	110.51	212.95	184.15
6794 'STK11'	28.89	26.41	29.17	22.82	43.95	32.86
6795 'AURKC'	0.85	1.5	1.16	1.39	0.88	1.48
6799 'SULT1A2'	1.04	1.04	0.41	0.54	0.65	0.24
6801 'STRN'	29.06	10.75	10.71	11.5	13.86	14.39
6804 'STX1A'	33.36	31.64	14.23	26.57	16.82	28.23
6809 'STX3'	199.72	81.4	94.58	123.78	52.34	83.71
6810 'STX4'	62.13	72.29	67.63	67.51	94.59	112.06
6811 'STX5'	69.62	57.91	47.87	50.69	83.82	67.17
6812 'STXBP1'	3.77	3.56	6.51	2.76	6.24	5.28
6813 'STXBP2'	138.66	129.41	107.51	81.54	124.4	120.86
6814 'STXBP3'	34.42	30.22	32.05	33.24	43.76	50.09
6815 'STYX'	9.8	7.19	8.43	8.44	10.22	13.87
6817 'SULT1A1'	3.85	5.65	8.65	4.46	3.97	3.73
6818 'SULT1A3'	48.73	30.16	27.05	55.37	42.92	29.92

6819	'SULT1C2'	0	0	0	0.08	0	0
682	'BSG'	476.06	464.19	413.86	357.82	403.75	519.28
6820	'SULT2B1'	0	0.1	0.37	0	0.1	0
6821	'SUOX'	7.52	7.69	7.81	4.11	7.95	5.34
6827	'SUPT4H1'	88.68	87.16	92.8	79.22	85.13	118.75
6829	'SUPT5H'	112.92	84.73	86.43	67.12	92.52	117.39
683	'BST1'	0.45	0.47	0.9	0.46	0.75	0.7
6830	'SUPT6H'	87.61	58.78	42.62	42.1	54.1	64.67
6832	'SUPV3L1'	52.2	51.13	39.73	42.1	28.5	41.13
6834	'SURF1'	37.22	49.14	61.57	39.49	34.45	59.46
6835	'SURF2'	34.27	39.47	43.76	43.08	26.9	44.33
6836	'SURF4'	335.52	239	255.05	242.5	274.82	284.51
6837	'MED22'	19.91	16.04	15.95	12.15	24.46	18.02
6838	'SURF6'	13.71	11.49	6.5	9.7	14.88	12.66
6839	'SUV39H1'	36.08	20.36	39.13	17.43	17.32	22.73
684	'BST2'	211.51	264.27	378.31	298.24	218.98	615.23
6840	'SVIL'	4.37	2.22	2.51	1.58	2.59	4
6843	'VAMP1'	38.62	40.06	26.27	38.3	36.4	31.55
6844	'VAMP2'	150.17	140.56	91.23	112.77	121	167.95
6845	'VAMP7'	46.88	31.58	37.93	33.53	36.16	42.64
6846	'XCL2'	79.69	135.19	89.42	62.84	14.2	44.23
6850	'SYK'	43.91	25.98	15.32	10.52	52.51	12.7
6853	'SYN1'	0.08	0.12	0.15	0	0.38	0.28
6854	'SYN2'	0	0	0.04	0	0.11	0.09
6855	'SYP'	0.38	0.37	0.37	0.57	0.85	1.34
6856	'SYPL1'	12.75	8.2	25.85	10.35	15.08	19.91
6857	'SYT1'	0	0	0.02	0	0	0.03
686	'BTD'	13.67	10.13	18.92	15.06	7.06	18.07
6861	'SYT5'	0	0.13	0.15	0.24	0.2	0.23
6862	'TBXT'	0	0.05	0.04	0	0	0
6865	'TACR2'	0.91	0.25	0.21	0.27	0.37	0.29
6866	'TAC3'	0.22	0	0	0	0	0.38
6867	'TACC1'	84.21	48.91	44.29	40.06	35.89	53.33
6868	'ADAM17'	18.6	9.81	10.71	9.98	13.26	17.95
6869	'TACR1'	0.03	0.06	0	0	0.02	0
687	'KLF9'	59.69	57.16	47.61	38.6	33.64	70.2
6871	'TADA2A'	18.31	12.02	14.85	13.52	15.15	15.22
6872	'TAF1'	14.06	7.23	5.61	6.71	6.71	8.08
6873	'TAF2'	30.99	21.12	15.41	16.94	14.41	23.08
6874	'TAF4'	14.46	6.66	9.24	8.08	8.18	10.83
6875	'TAF4B'	7.14	2.71	4.45	6.39	2.03	5.64
6876	'TAGLN'	3.93	4.75	2.75	4.42	4.54	4.32
6877	'TAF5'	11.41	9.52	9.6	8.06	8.43	6.08
6878	'TAF6'	67.82	49.17	69.55	36.62	49.72	66.88
6879	'TAF7'	73.52	71.86	62.61	78.88	92.96	102.87
688	'KLF5'	1.98	1.39	2.45	1.17	1.92	1.69
6880	'TAF9'	89.97	78.64	80.71	67.6	71.54	89.51
6881	'TAF10'	39.58	43.38	50.93	38.75	33.85	48.17
6882	'TAF11'	34.61	35.62	28.34	34.4	31.11	34.29
6883	'TAF12'	27.89	28.88	51.16	26.32	49.3	50.79
6884	'TAF13'	21.78	14.04	13.76	17.19	7.29	23.3
6885	'MAP3K7'	24.99	21	19.25	19.08	23.62	20.86
6886	'TAL1'	0.06	0.02	0.71	0.02	0	0
6887	'TAL2'	0.29	0.44	0	0	0	0

6888	'TALDO1'	248.51	207.32	358.86	168.93	170.67	270.1
689	'BTF3'	1378.5	1448.5	1331.3	1506.53	1236.91	1216.77
6890	'TAP1'	210.97	156.13	267.52	173.01	224.78	415.45
6891	'TAP2'	108.92	58.06	96.23	75.07	68.63	165.22
6892	'TAPBP'	150.08	98.76	110.76	95.72	135.17	185.26
6894	'TARBP1'	10.88	10.94	10.86	7.52	7.71	10.36
6895	'TARBP2'	16.94	17.61	24.08	17.75	16.95	26.55
6897	'TARS1'	123.03	66.45	118.02	75	93.01	109.78
6898	'TAT'	0	0.02	0	0	0.05	0.06
6899	'TBX1'	0.51	0.3	0.21	0.15	0.22	0.08
6900	'CNTN2'	0.02	0.02	0	0	0	0
6901	'TAZ'	64.76	73.34	61.84	47.57	50.4	76.95
6902	'TBCA'	167.3	185.53	249.04	185.41	129.33	223.15
6903	'TBCC'	32.3	45.76	43.08	57.65	65.25	79.26
6904	'TBCD'	43.71	45.05	48.19	30.48	101.97	46.82
6905	'TBCE'	19.96	17.65	19.72	18.22	14.13	19.49
6907	'TBL1X'	35.47	21.57	21.22	20.79	26.47	22.7
6908	'TBP'	24.98	16.01	18.38	20.13	15.52	19.97
6909	'TBX2'	0.04	0	0.08	0	0	0.03
6911	'TBX6'	0.9	0.86	1.12	0.17	4.24	1.32
6913	'TBX15'	0.09	0.03	0.06	0.03	0	0
6915	'TBXA2R'	0.15	0.18	0.33	0.1	0.49	0.28
6916	'TBXAS1'	118.45	75.14	48.73	30.41	23.24	73.18
6917	'TCEA1'	89.13	61.47	82.41	55.45	85.25	77.69
6919	'TCEA2'	22.69	35.58	26.64	21.54	18.85	15.46
6920	'TCEA3'	0.81	0.82	1.57	0.68	2.44	0.78
692094	'MSMP'	0.67	0	0.28	0	0	0
6921	'ELOC'	51.86	56.73	77.44	45.51	37.02	54.09
6923	'ELOB'	192.62	258.9	264.18	245.98	177.32	253.15
692312	'PPAN-P2R	14.18	4.7	8.8	4.55	21.75	11.89
6924	'ELOA'	30.18	24.89	21.16	25.35	21.25	32.91
6925	'TCF4'	2.17	0.87	1.55	0.29	0.46	2.1
6927	'HNF1A'	0	0	0	0	0.04	0
6928	'HNF1B'	0.6	0.21	2.47	0.03	0.37	0.42
6929	'TCF3'	38.9	27.51	36.18	19.82	40.09	44.17
6932	'TCF7'	30.06	11.48	25.13	22.35	27.11	33.6
6934	'TCF7L2'	0.69	0.47	0.12	0.79	0.31	0.71
6935	'ZEB1'	18.84	13.5	14.43	10.9	18.36	20.65
6936	'GCFC2'	11.85	9.59	9.22	11.78	7.88	8.57
6938	'TCF12'	20.08	11.96	11.58	11.29	14.5	18.42
6939	'TCF15'	0	0	0.09	0	0	0
694	'BTG1'	255.84	222.38	151.3	257.83	391	269.39
6940	'ZNF354A'	12.55	10.62	5.91	9.73	10.99	13.69
6941	'TCF19'	47.36	26.59	53.56	22.38	67.86	27.08
6942	'TCF20'	29.79	14.18	13.16	14.19	19.86	20.73
6944	'VPS72'	44.85	37.47	61.29	36.13	63.65	68.91
6945	'MLX'	48.26	41.4	57.26	40.23	50.01	55.85
6947	'TCN1'	0.19	0	1.79	0.07	0	0.17
6948	'TCN2'	1.49	1.35	3.95	0.86	1.54	9.2
6949	'TCOF1'	47.39	30.02	42.09	26.96	22.8	38.71
695	'BTK'	0.41	0.31	3.77	0.57	0.16	3.92
6950	'TCP1'	122.02	85.95	136.68	91.35	73.77	111.23
6954	'TCP11'	0.1	0.07	0	0	0	0
696	'BTN1A1'	0.04	0	0	0	0.07	0.15

6988	'TCTA'	33.94	33.95	27.3	20.99	38.18	33.55
699	'BUB1'	59.17	20.84	49.7	27.39	23.61	25.78
6990	'DYNLT3'	14.51	13.35	12.62	15.09	23.5	20.1
6991	'TCTE3'	0.32	0.24	0	0	0	0
6992	'PPP1R11'	110.29	73.6	107.46	86.37	99.33	133.78
6993	'DYNLT1'	29.79	31.08	46.51	47.89	62.45	70.85
6996	'TDG'	46.43	28.75	32.72	29.85	23.88	34.22
6997	'TDGF1'	0	0	0	0.05	0	0
70	'ACTC1'	0	0	0.08	0	0	0
7001	'PRDX2'	449.08	484.66	510.35	377.2	339.71	403.39
7003	'TEAD1'	0	0	0.01	0	0	0.08
7004	'TEAD4'	0	0	0.12	0	0	0.18
7005	'TEAD3'	0.17	0.1	0.1	0.12	0.17	0.68
7006	'TEC'	11.72	4.81	2.58	1.95	2.53	2.02
7007	'TECTA'	1.09	0.63	0.38	0.31	0.45	1.02
7008	'TEF'	3.48	3.16	1.66	2.59	4.6	3.99
7009	'TMBIM6'	633.7	382.95	416.37	441.96	418.06	508.93
701	'BUB1B'	36.57	18.08	25.69	15.26	10.8	10.12
7011	'TEP1'	12.86	8.74	6.16	8	9.88	11.29
7013	'TERF1'	27.27	21.05	23.68	18.76	19.66	27.55
7014	'TERF2'	16.63	10.79	12.39	9.68	18.07	15.03
7015	'TERT'	0	0.02	0.55	0.02	0.03	0.23
7016	'TESK1'	48.58	41.08	40.82	32.68	61.55	48.61
7018	'TF'	1.84	1.49	0.99	1.64	1.5	1.57
7019	'TFAM'	42.42	25.8	27.72	20.58	14.63	20.86
7020	'TFAP2A'	0.2	0.03	0	0.05	0.06	0.09
7023	'TFAP4'	5.6	3.82	5.11	4.46	7.88	3.77
7024	'TFCP2'	23.21	16.36	21.77	14.87	18.53	26.28
7025	'NR2F1'	0	0.02	0	0.07	0.06	0.07
7026	'NR2F2'	0	0	0	0	0.06	0.03
7027	'TFDP1'	99.59	58.94	130.26	60.88	112.38	90.09
7029	'TFDP2'	22.34	13.07	11.62	11.86	10.7	9.67
7030	'TFE3'	70.25	53.07	47.49	37.09	53.8	77.26
7033	'TFF3'	0	0.11	0	0.1	0	0
7035	'TFPI'	1.29	0.92	0.29	0.32	0.14	0.23
7036	'TFR2'	9.29	7.44	10.02	5.36	6.33	11.51
7037	'TFRC'	94.84	43.43	68.8	41.21	66.31	56.03
7038	'TG'	0.12	0.08	0.05	0.06	0.13	0.33
7039	'TGFA'	0.06	0.09	0.43	0.26	0.02	0.4
7040	'TGFB1'	370.28	281.23	314.51	247.59	386.22	459.02
7041	'TGFB1I1'	1.17	1.16	0.74	0.16	0.3	0.89
7042	'TGFB2'	0	0.02	0	0.03	0.02	0
7043	'TGFB3'	1.04	0.98	0.53	0.73	0.7	1.04
7044	'LEFTY2'	0	0	0.05	0	0	0
7045	'TGFBI'	0.38	0.33	0.11	0.2	0.23	0.51
7046	'TGFBR1'	52.99	33.32	23.74	28.37	27.7	35.46
7047	'TGM4'	0.49	0.4	0.09	0.26	0.24	0.07
7048	'TGFBR2'	53.29	37.83	26.76	36.22	61.16	53.15
7049	'TGFBR3'	32.23	18.78	13.42	9.67	11	25.82
705	'BYSL'	21.9	18	22.27	11.4	5.24	15.23
7050	'TGIF1'	34.78	37.42	13.75	35.38	20.27	34.92
7051	'TGM1'	0.38	0.5	0.42	0.63	0.59	0.42
7052	'TGM2'	0.74	0.44	1.1	0.58	0.17	0.14
7053	'TGM3'	0	0	0	0	0.04	0

7056	'THBD'	0.03	0.05	0.02	0.04	0	0.05
7057	'THBS1'	0.97	0.57	0.57	1.12	0.83	1.15
7058	'THBS2'	0.04	0	0.11	0.09	0.14	0.06
7059	'THBS3'	6.9	8.49	6.32	5.46	10.57	13.02
706	'TSPO'	227.27	269.07	235.05	236.09	159.64	244.54
7060	'THBS4'	0.87	0.39	2.41	0.66	1.71	1.74
7062	'TCHH'	0	0	0	0.01	0.1	0
7064	'THOP1'	18.63	13.49	22.44	9.14	13.39	16.95
7067	'THRA'	6.75	7.25	6.58	6.88	13.04	10.42
7068	'THRB'	0.02	0	0.07	0	0	0
7070	'THY1'	0.03	0	0	0.02	0.04	0
7071	'KLF10'	113.62	107.64	46.52	83.77	35.42	127.62
7072	'TIA1'	47.1	29.12	24.81	29.15	35.8	40.01
7073	'TIAL1'	59.34	51.9	47.4	47.34	53.82	54.75
7074	'TIAM1'	12.08	6.37	3.64	5.3	4.31	9.4
7075	'TIE1'	0.46	0.32	0.19	0.23	0.03	0.2
7076	'TIMP1'	146.23	265.03	221.97	122.72	363.78	315.15
7077	'TIMP2'	4.4	2.5	1.5	1.12	2.28	4.17
7078	'TIMP3'	0.08	0.06	0.81	0	0	0
708	'C1QBP'	156.3	122.03	206.79	135.44	53.89	132.51
7083	'TK1'	99.75	70.58	187.69	48.17	182.37	51.9
7084	'TK2'	8.01	6.41	6.97	3.93	8.44	6.95
7086	'TKT'	328.32	250.37	323.14	178.64	251.49	301.14
7087	'ICAM5'	0.13	0.24	0.05	0	0.38	0.07
7088	'TLE1'	50.23	51.2	24.32	24.17	32.55	28.8
7089	'TLE2'	0.92	0.63	0.8	1.3	0.88	1.66
7090	'TLE3'	44.67	17.88	16.27	23.66	30.99	29.01
7091	'TLE4'	48.74	29.68	21.28	23.62	22.39	23.99
7092	'TLL1'	0.06	0.01	0	0	0	0
7093	'TLL2'	0.02	0	0	0	0	0.02
7094	'TLN1'	164.87	74.72	106.89	61.28	123.19	141.08
7095	'SEC62'	22.58	17.32	19.31	19.43	22.38	26.88
7096	'TLR1'	1.5	1.92	4.66	2.86	10.57	8.87
7097	'TLR2'	0.18	0.03	0.16	0.35	0.04	0.06
7098	'TLR3'	1.43	0.97	0.67	0.6	1.08	1.33
7099	'TLR4'	0.07	0.02	0.18	0.01	0.03	0.01
71	'ACTG1'	1799.9	1323.9	2605	796.7	1869.26	1661.89
710	'SERPING1	0.3	0.06	6.71	4.27	0	1.32
7100	'TLR5'	0	0	0	0	0.05	0.03
7102	'TSPAN7'	0	0	0	0	0.06	0.07
7105	'TSPAN6'	0.16	0	0	0.02	0.19	0.36
7106	'TSPAN4'	24.45	17.57	13.38	6.07	7.64	5.88
7107	'GPR137B'	6.64	7.02	4.58	8.72	21.71	6.72
7108	'TM7SF2'	15.26	18.67	23.05	9.87	30.07	24
7109	'TRAPPC1(	106.13	54.84	35.87	44.35	37.82	52.87
7110	'TMF1'	18.32	12.61	10.82	13.05	25.6	21.44
7111	'TMOD1'	0.67	1.26	2.05	1.39	3.44	4.24
7112	'TMPO'	130.21	68.59	154.8	52.66	81.19	88.97
7113	'TMPRSS2'	0	0	0	0	0.06	0
7114	'TMSB4X'	8088.4	8664.8	10937	9764.27	8286.38	11893.27
712	'C1QA'	0	0.11	0	1.69	0	0.62
7122	'CLDN5'	0	0.04	0	0	0.13	0.09
7123	'CLEC3B'	5.09	4.72	4.49	1.99	0.65	1.27
7124	'TNF'	288.2	499.71	216.62	307.7	32.49	308.15

7125 'TNNC2'	0.55	0.42	0.62	0.2	0.65	0.49
7126 'TNFAIP1'	11.84	7.3	7.51	6.51	15.41	10.23
7127 'TNFAIP2'	0.47	0.15	0.75	0.29	0.44	1.69
7128 'TNFAIP3'	426.3	346.6	190.68	398.48	143.29	389.84
713 'C1QB'	0	0	0.1	4.15	0	0.62
7130 'TNFAIP6'	0	0	0.08	0.36	0	0
7132 'TNFRSF1A	63.77	32.46	40.41	33.48	67.86	37.51
7133 'TNFRSF1B	364.36	227.88	293.12	205.47	731.81	447.12
7134 'TNNC1'	0.56	1.89	1.44	0.97	2.57	1.93
7135 'TNNI1'	0.04	0	0	0	0.02	0.02
7136 'TNNI2'	1.1	1.86	1.21	1.91	1.49	0.24
7138 'TNNT1'	0	0.12	0	0	1.14	0.57
7139 'TNNT2'	0	0	0	0	0	0.12
714 'C1QC'	0	0.13	0	1.47	0	0.15
7140 'TNNT3'	0	1.53	0.89	1.44	1.62	1.22
7141 'TNP1'	0	0.6	0	0	0	0
7143 'TNR'	0.4	0.14	0.08	0.02	0.15	0.02
7145 'TNS1'	0	0.01	0.12	0.1	2.21	0.02
7148 'TNXB'	0.33	0.31	0.07	0.2	1.35	0.29
715 'C1R'	4.97	5.49	3.23	3.23	2.85	3.48
7150 'TOP1'	34.06	23.96	41.06	19.92	34.98	49.38
7153 'TOP2A'	68.64	25.73	86.52	23.11	33.55	35.16
7155 'TOP2B'	82.76	51.73	56.81	45.82	48.13	48.46
7156 'TOP3A'	20.8	9.83	12.06	8.81	11.72	11.93
7157 'TP53'	50.75	32.22	59.55	27.16	39.64	54.34
7158 'TP53BP1'	5.3	3.92	3.88	3.48	5.29	6.36
7159 'TP53BP2'	48.57	35.15	21.02	30.09	23.93	32.19
716 'C1S'	0.49	0.39	0.38	0.3	0.4	0.49
7161 'TP73'	10.14	4.3	6.27	0.86	5.14	4.53
7162 'TPBG'	0.18	0.34	0.1	0.35	0.21	1.77
7163 'TPD52'	28.68	22.78	22.65	11.4	30.08	32.37
7164 'TPD52L1'	0	0.19	0	0	0.05	0
7165 'TPD52L2'	66.97	51.77	56.95	45.42	71.24	64.55
7166 'TPH1'	0.64	0.35	0.29	0.29	0.71	0.48
7167 'TPI1'	1464.2	1941.4	1375.1	1345.7	3491.54	832.16
7168 'TPM1'	3.77	2.6	3.39	2.95	3.77	2.45
7169 'TPM2'	3.46	5.58	3.01	12.26	8.05	6.75
717 'C2'	0.22	0.2	0.45	0.33	0.27	0.65
7170 'TPM3'	523.07	340.41	506.13	342.42	247.7	441.25
7171 'TPM4'	552.72	376.65	680.36	232.55	277.65	548.3
7172 'TPMT'	14.74	13.46	16.85	7.22	12.64	11.48
7173 'TPO'	0	0.07	0.11	0	0.02	0.28
7174 'TPP2'	50.44	31.47	26.86	30.55	35.65	34.11
7175 'TPR'	43.26	26.67	29.15	21.83	35.29	34.12
7177 'TPSAB1'	1.37	1.57	10.64	0.57	0	2.09
7178 'TPT1'	1408.4	1778.1	1334.2	1776.72	2454.03	1340.87
718 'C3'	1.66	0.79	0.62	0.38	0.04	0.31
7181 'NR2C1'	23	22.15	12.63	14.38	18.6	18.24
7182 'NR2C2'	33.04	16.23	9.15	11.75	18.15	12.84
7184 'HSP90B1'	381.87	251.13	298.57	286.89	365.95	418.45
7185 'TRAF1'	29.61	18.31	24.62	16.09	63.82	44.12
7186 'TRAF2'	31.72	19.6	24.81	18.94	25.33	22.52
7187 'TRAF3'	45.08	21.12	18.42	18.69	24.92	28.15
7188 'TRAF5'	39.55	31.48	21.71	22.15	34.83	27.63

7189	'TRAF6'	12.84	9.63	4.67	10.19	7.59	9.18
719	'C3AR1'	5.37	5.85	10.92	9.64	23.74	18.55
72	'ACTG2'	0.11	0.07	0.08	0.15	0	0
720	'C4A'	0.13	0.37	0.58	0	0.01	0.75
7201	'TRHR'	0	0.03	0	0	0	0
7203	'CCT3'	150.83	115.15	226.67	110.49	100.26	204.23
7204	'TRIO'	19.7	7.15	6.17	3.88	8.45	5.3
7205	'TRIP6'	8.88	5.54	10.84	3.69	10.91	22.49
721	'C4B'	0	0	0	0	0.1	0
7216	'TRO'	0.82	0.33	0.67	0.78	1.2	0.19
7220	'TRPC1'	0.24	0.58	0.55	0.42	1.69	1.13
7222	'TRPC3'	0.23	0.44	0.71	0.21	0.39	0.86
7226	'TRPM2'	4.47	3.03	5.76	2.15	2.82	5.53
7227	'TRPS1'	3.91	2.02	1.74	2.2	2.37	4.27
7247	'TSN'	36.42	29.96	39.71	28.71	28.1	39.72
7248	'TSC1'	19.54	9.53	5.2	9.3	11.15	9.68
7249	'TSC2'	30.48	20.84	19.17	14.47	24.53	31.51
725	'C4BPB'	0.3	0.44	0.29	0	0.23	0.07
7251	'TSG101'	63.31	52.32	66.04	48.74	49.82	69.93
7252	'TSHB'	0.06	0.05	0	0.04	0	0.11
7253	'TSHR'	0.52	0.67	1.81	0.16	0.39	4.79
7257	'TSNAX'	33.66	22.96	36.34	21.32	43.42	33.33
7259	'TSPYL1'	29.9	17.99	18.37	25.47	24.28	31.61
726	'CAPN5'	0.35	0.5	0.3	0.43	0.5	0.89
7260	'EIPR1'	36.76	35.36	56.97	28.2	35.04	48.13
7262	'PHLDA2'	7.16	9.34	13.55	5.9	9.6	14.86
7263	'TST'	31.12	27.93	40.18	16.4	18.08	30.03
7264	'GFUS'	74.69	72.93	108.11	54.06	38.63	113.8
7265	'TTC1'	76.23	64.21	89.91	62.8	66.96	90.58
7266	'DNAJC7'	72.39	51.91	78.92	65.68	67.03	86.32
7267	'TTC3'	24.13	19.96	17.56	18.22	37.25	23.37
7268	'TTC4'	17.57	12.3	20.1	12.88	16.86	20.25
727	'C5'	0.25	0.31	0.86	0.21	0.64	0.78
7270	'TTF1'	13.52	14.7	18.24	14.57	15.2	19.06
7272	'TTK'	20.31	9.74	22.32	8.16	10.68	10.56
7273	'TTN'	1.76	0.49	0.18	0.21	0.43	0.25
7275	'TUB'	0.08	0.02	0.03	0.04	0	0.04
7277	'TUBA4A'	339.61	349.18	829.87	239.23	384.16	534.45
7278	'TUBA3C'	0	0	0.07	0	0	0
727800	'RNF208'	5.06	6.34	5.15	3.44	10.46	4.17
727851	'RGPD8'	6.65	4.84	3.77	3.88	2.86	6.26
727866	'FAM156B'	13.47	15.62	13.43	10.52	15.16	16.2
727897	'MUC5B'	0.01	0.01	0	0.01	0	0
727909	'GOLGA8Q'	24.72	3.11	3.45	2.24	0	5.08
727910	'TLCD2'	0.23	0.19	0.11	0.09	0.35	0.12
727957	'MROH1'	22.89	16.3	14.19	9.2	19.5	17.74
728	'C5AR1'	0.12	0.09	0.35	0.41	0.05	0.21
7280	'TUBB2A'	8.72	10.75	6.23	7.23	2.64	11.5
728047	'GOLGA8O'	162.2	71.59	41.33	44.3	16.56	26.82
728113	'ANXA8L1'	0	0.06	0.12	0	0	0
728116	'ZBTB8B'	0.14	0.1	0.06	0.16	0.1	0.16
728118	'NUTM2A'	6.05	5.5	2.37	2.99	4.1	3.33
728130	'NUTM2D'	0.99	0.66	0.44	0.48	0.5	0.49
728194	'RSPH10B2	0.14	0.04	0	0.02	0	0.21

728229	'TMEM191E	0.62	1.31	0.44	0.8	2.24	1.01
728239	'MAGED4'	0.15	0.51	0.31	0.15	3.69	2.5
728294	'D2HGDH'	20.96	21.3	14.79	9.73	40.83	21.02
7283	'TUBG1'	48.96	34.69	90.76	24.07	29.97	56.63
728310	'GOLGA6L7	0	0	0.05	0	0.2	0
728340	'GTF2H2C'	3.22	3.1	2.31	4.71	2.93	3.33
728361	'OVOL3'	0	0.28	0.48	0.26	0	0.65
728369	'USP17L24	0	0	0	0	0.01	0
728373	'USP17L25	0	0	0	0	0.01	0
728378	'POTEF'	0	0	0.02	0	0	0.09
728379	'USP17L26	0	0	0	0	0.01	0
728386	'USP17L5'	0	0	0	0	0.01	0
728392	'LOC7283S	18.91	33.11	17.69	19.55	55.39	22.57
728393	'USP17L27	0	0	0	0	0.01	0
7284	'TUFM'	182.05	145.57	244.47	154.78	101.82	185.91
728400	'USP17L28	0	0	0	0	0.01	0
728405	'USP17L29	0	0	0	0	0.01	0
728419	'USP17L30	0	0	0	0	0.01	0
728441	'GGT2'	0.92	1.3	1.14	0.36	1.07	2.13
728464	'METTL24'	0.14	0.14	0	0.07	0.11	0
728489	'DNLZ'	9.67	11.48	9.84	13.27	3.57	8.81
728492	'SERF1B'	9.41	15.32	12.55	6.76	9.95	9.91
728498	'GOLGA8H'	5.79	4.79	4.5	0.96	0.21	2.54
728537	'C2orf92'	0.89	0.91	0.7	0.84	1.98	1.58
728568	'C12orf73	5.49	4.19	6.86	4.39	5.41	5.41
728577	'CNTNAP3E	0.02	0	0	0	0	0
728591	'CCDC169'	0	0.1	0	0	0	0.13
7286	'TUFT1'	1.78	2.16	0.97	0.99	2.19	2.08
728621	'CCDC30'	0.19	0.08	0.28	0.38	0.47	0.86
728635	'DHRS4L1'	0.35	0.51	0.77	0.7	1.01	1.09
728637	'MEIKIN'	0.09	0	0.07	0	0	0
728642	'CDK11A'	43.69	36.86	29.42	39.71	43.35	61.38
728656	'DMRTC1B'	0	0	0	0	0	0.04
728661	'SLC35E2E	40.36	28.74	27.6	26.28	44.13	59.36
728689	'EIF3CL'	1.53	60.06	99.22	36.26	39.06	25.38
728734	'NPIPB8'	1.22	1	1.2	1.2	1.62	2.77
728741	'NPIPB6'	29.86	13.77	8.24	12.8	15.55	15.37
728780	'ANKDD1B'	0.24	0.27	0.09	0.04	0.14	0.22
7288	'TULP2'	0.36	0.28	0.17	0.1	0.22	0.26
728819	'C1GALT1C	0.12	0	0.26	0	0	0
728833	'FAM72D'	18.39	7.47	15.3	5.31	1.05	8.71
728841	'NBPF8'	13.46	10.18	7.22	7.91	20.28	14.64
728858	'C12orf71	0	0	0.12	0.35	0	0
728888	'NPIPB11'	31.73	24.61	28.1	14.95	17.69	41.76
7289	'TULP3'	7.51	6.06	8.45	5.61	17.08	13.17
728911	'CT45A2'	0	0.07	0	0	0	0
728927	'ZNF736'	3.4	2.2	1.62	2.4	1.97	2.77
728929	'ELOA3B'	0	0	0.06	0	0	0
728945	'PPIAL4F'	0	0	0	0	0.09	0
728957	'ZNF705D'	0.03	0	0	0	0	0
729	'C6'	0	0	0	0	0.04	0
7290	'HIRA'	38.66	26.55	29.9	23.52	25.92	32.84
729059	'TEX46'	0	0	0	0	0.36	0
729085	'GASK1A'	0.08	0	0	0	0	0

729092	AGAP5	7.76	4.74	3.21	4.39	6.14	5.23
7291	TWIST1	0.26	0.72	0.45	0	0.54	1.43
729159	NPAP1L	0	0.05	0.05	0	0	0
7292	TNFSF4	11.88	6.05	5.48	4.74	9.19	5.99
729230	CCR2	31.25	17.04	41.76	19.4	38.56	52.98
729262	NUTM2B	2.3	2.15	1.65	3.23	2.71	2.75
7293	TNFRSF4	18.8	39.21	21.75	7.83	51.49	129.82
729359	PLIN4	0.47	0.23	0.17	0.07	0.13	0.18
7294	TXK	93.71	59.49	19.13	41.92	51.83	22.94
729438	CASTOR2	4.17	6.62	2.54	3.55	6.89	6.77
729440	CCDC61	9.05	13.64	23.67	9.4	17.23	18.95
729475	RAD51AP2	0.03	0	0	0	0	0
7295	TXN	771.3	690.56	1118.4	744.29	378.97	996.97
729515	TMEM242	18.93	18.29	13.42	11.91	12.72	11.39
729533	FAM72A	12.56	6.79	15.85	6.69	1.46	8.24
729540	RGPD6	3.44	3.48	1.56	3.3	1.44	2.17
729597	SPDYE6	0.17	0.04	0.34	0.38	0.1	0.5
7296	TXNRD1	161.57	96.25	121.85	79.84	69.5	128.22
7297	TYK2	91.9	70.78	63.88	58.99	83.44	102.51
729747	ZNF878	0.29	0	0.23	0.11	0	0.48
729759	OR4F29	0	0	0	0	0.02	0.03
7298	TYMS	333.06	185.92	416.16	119.01	241.38	115.3
729830	FAM160A1	0.07	0.02	0.01	0.03	0.11	0.05
729852	UMAD1	11.1	6.41	11.06	10.08	13.39	13.78
729857	RGPD2	0.33	0.44	0	1.1	1.69	3.87
729873	TBC1D3	1.38	0.97	0	0	0.29	2.42
729877	TBC1D3H	0	0	0.86	0.37	2.77	0
729920	CRPPA	0.41	0.13	0.31	0.23	0.19	0.4
729956	SHISA7	0	0	0	0	0	0.02
729967	MORN2	5.91	8.18	5.28	17.39	6.1	5.37
729978	NPIPB2	49.57	25.51	16.46	20.14	31.42	30.22
729991	BORCS8	28.03	34.95	39.78	20.2	31.35	39.71
729993	SHISA9	12.13	9.86	5.99	6.48	7.43	8.29
730005	SEC14L6	0	0	0	0.03	0	0
730051	ZNF814	1.6	1.32	0.73	0.93	1.53	1.72
730087	ZNF726	2.79	2.03	1.85	2.06	3.45	0.82
730094	MOSMO	3.58	2.78	2.19	2.2	4.83	3.73
730098	LOC73009	1.13	1.12	0.9	0.74	1.5	0.58
7301	TYRO3	0.22	0.15	0.41	0.2	0.23	0.84
730112	FAM166B	0.45	0.12	1.12	0.44	0.35	0.66
730183	LOC73018	10.28	2.08	2.03	4.41	4.55	4.8
730249	ACOD1	0	0	0	0.04	0	0
730262	PPIAL4E	0	0	0	0	0.09	0
730394	GTF2H2C_	5.54	3.78	8.74	4.54	7.34	6.92
7305	TYROBP	672.84	956.97	388.36	670.14	551.83	282.64
7307	U2AF1	199.9	90.09	141.16	99.46	64.57	104.08
7311	UBA52	1087.3	1414.7	1264.1	1605.14	1488	1251.38
731220	RFX8	0.86	0.68	0.46	0.42	0.18	0.24
7314	UBB	1864.8	1792.3	1832.6	1794.14	1261.59	1623.4
7316	UBC	3315.2	3476.6	2760.2	2618.28	2350.12	3745.89
7317	UBA1	205.13	134.52	154.06	83.03	122.15	189.67
7318	UBA7	40.89	40.06	40.1	29.33	40.58	55.63
7319	UBE2A	133.46	110.99	129.28	111.59	86.28	142.33
7320	UBE2B	45.1	41.57	42.48	46.3	58.2	54.38

7321	'UBE2D1'	20.92	19.44	18.53	19.7	17.64	23.65
7322	'UBE2D2'	126	103.58	111.08	111.1	98.62	107.34
7323	'UBE2D3'	268.94	213.2	247.53	223.87	219.84	330.44
7324	'UBE2E1'	45.44	39.58	41.51	28.84	49.71	38.05
7325	'UBE2E2'	0.63	0.52	0.91	0.5	0.61	0.94
7326	'UBE2G1'	41.28	29.6	37.91	23.6	31.32	40.71
7327	'UBE2G2'	51.3	38.05	43.28	36.11	27.88	56.37
7328	'UBE2H'	25.72	20.63	19.61	16.94	33.68	31.86
7329	'UBE2I'	331.3	246.38	348.67	235.92	267.77	312.6
733	'C8G'	0.76	0.86	1.13	0.8	0.74	1.16
7332	'UBE2L3'	428.14	356.12	427.38	330.09	248.69	447.94
7334	'UBE2N'	39.24	32.35	41.32	31.57	26.61	38.52
7335	'UBE2V1'	193.41	175.03	200.63	158.41	207.37	235.14
7336	'UBE2V2'	52.56	38.83	77.71	39.78	57.12	72.78
7337	'UBE3A'	41.26	28.93	22.35	28.95	24.52	26.03
734	'OSGIN2'	16.18	10.39	9.03	12.24	11.54	12.42
7341	'SUMO1'	130.42	117.34	159.11	100.07	122.06	138.5
7342	'UBP1'	68.94	52.38	38.24	45.62	41.77	48.43
7343	'UBTF'	79.49	48.7	66.84	36.31	58.26	77.84
7345	'UCHL1'	65.95	28.39	17.17	5.79	1.96	4.78
7347	'UCHL3'	45.04	42.84	51.43	39.48	26.51	51.01
7348	'UPK1B'	0.07	0	0	0.05	0	0
7349	'UCN'	1.77	2.34	2.13	2.79	5.14	3.09
7350	'UCP1'	0.09	0.07	0.14	0.03	0.24	0.15
7351	'UCP2'	167.39	153.65	264.78	116.1	166.98	317.31
7352	'UCP3'	6.95	5.71	4.16	4.9	2.48	3.82
7353	'UFD1'	114.12	80.13	102.42	86.9	55.75	95.36
7355	'SLC35A2'	28.49	25.95	22.43	14.29	15.82	34.98
7357	'UGCG'	28.83	23.77	15.52	15.51	16.76	25.42
7358	'UGDH'	4.84	3.67	6.09	3.72	12.08	7.36
7360	'UGP2'	206.34	149.23	190.76	157.07	163.99	246.31
7363	'UGT2B4'	0	0.05	0	0	0	0.06
7367	'UGT2B17'	0	0	0	0	0.05	0.33
7368	'UGT8'	0.25	0.16	0.13	0.08	0.38	0.5
7371	'UCK2'	14.12	8.75	17.08	6.03	7.07	10.22
7372	'UMPS'	5.19	3.5	5.67	3.98	4.62	5.15
7373	'COL14A1'	0	0	0.01	0.02	0	0
7374	'UNG'	51.56	29.48	51.4	27.19	30.25	21.62
7375	'USP4'	30.74	19.31	23.67	21.25	24.17	32.98
7376	'NR1H2'	74.25	58.72	59.23	54.31	62.54	74.53
7378	'UPP1'	137.09	130.59	107.78	142.65	133.62	128.63
7379	'UPK2'	0.18	0.13	0.13	0.25	0.54	0.15
738	'VPS51'	103.9	98.1	85.86	72.94	119.74	80.53
7380	'UPK3A'	0	0	0	0	0	0.13
7381	'UQCRB'	29.77	44.52	46.54	42.88	51.76	44.74
7384	'UQCRC1'	148.72	139	205.37	121.14	156.16	147.21
7385	'UQCRC2'	117.97	97.93	153.16	85.66	123.75	124.13
7386	'UQCRFS1'	43.25	42.62	65.25	48.86	39.15	61.29
7388	'UQCRH'	341.2	422.74	523.3	440.11	343.15	362.91
7389	'UROD'	59.05	64.32	95.23	42.39	64.61	78.14
7390	'UROS'	46.81	50.39	57.19	40.9	40.24	52.55
7391	'USF1'	48.04	51.75	43.23	46.28	47.84	62.11
7392	'USF2'	305.64	265.84	227.23	233.14	246.83	276.72
7398	'USP1'	93.77	54.56	77.33	56.24	48.85	56.74

740	'MRPL49'	44.94	40.83	52.07	38.59	59.13	55.26
7402	'UTRN'	35.4	27.11	21.78	21.88	29.82	29.98
7403	'KDM6A'	37.94	25.61	11.15	13.87	10.59	32.18
7404	'UTY'	0.02	0.03	5.79	22.49	9.72	0
7405	'UVRAG'	9.81	8.59	8.93	8.86	8.27	12.71
7407	'VARS1'	50.32	32.64	49.91	26.96	12.04	47.21
7408	'VASP'	117.04	100.39	189.04	82.5	148.46	198.63
7409	'VAV1'	59.15	42.7	62.56	38.19	54.12	77.29
741	'ZNHIT2'	8.74	6.45	9.12	7.8	6.02	13.62
7410	'VAV2'	2.11	1.48	2.64	0.81	2.48	2.9
7411	'VBP1'	72.4	53.65	63.21	50.94	42.44	62.87
7412	'VCAM1'	2.24	1.62	1.03	1.55	0.19	1.34
7414	'VCL'	7.68	6.54	17.33	3.13	14.46	19.26
7415	'VCP'	192.72	108.69	159.64	104.8	96.23	153.38
7416	'VDAC1'	210.8	146.11	240.85	143.43	250.34	180.25
7417	'VDAC2'	148.24	154.02	161.61	154.8	157.88	180.66
7419	'VDAC3'	160.1	139.28	222.81	130.09	200.15	186.71
7421	'VDR'	10.95	8.27	11.19	6.67	19.84	24.53
7422	'VEGFA'	19.23	19.53	14.86	13.54	85.53	9.36
7423	'VEGFB'	31.45	33.89	33.92	35.72	82	31
7424	'VEGFC'	0	0	0.04	0	0	0.15
7425	'VGF'	0.69	0.44	0.91	0.34	1.33	0.77
7428	'VHL'	34.94	20.11	20.23	22.06	28.9	26.61
7429	'VIL1'	0	0.14	0.12	0.13	0.21	0.04
7430	'EZR'	139.71	90.51	136.18	110.8	128.98	184.09
7431	'VIM'	2913.2	1822.5	3203.4	1847.33	3352.03	3298.9
7433	'VIPR1'	1.2	1.5	3.01	1.78	5.56	5.34
7434	'VIPR2'	0	0	0.05	0	0.03	0.12
7436	'VLDLR'	3.03	1.65	2.56	0.59	7.53	1.16
7439	'BEST1'	14.7	11.61	6.14	9.61	3.19	5.2
744	'MPPED2'	0	0	0	0.22	0.05	0.1
7442	'TRPV1'	1.92	1.2	1.02	1.03	2.65	1.73
7443	'VRK1'	44.68	37.69	86.41	33.28	35.78	46.62
7444	'VRK2'	42.53	19.79	24.1	23.07	17.69	27.83
7447	'VSNL1'	0.09	0	0	0.06	0	0
7448	'VTN'	0.35	0.26	0.19	0.24	0.07	0
745	'MYRF'	0.93	0.49	0.79	0.73	1.43	0.82
7450	'VWF'	0	0.01	0	0.01	0.02	0
7453	'WARS1'	128.26	63.14	204.02	99.42	78.75	223.76
7454	'WAS'	189.48	154.83	192.52	116.48	177.19	198.85
7455	'ZAN'	0	0	0.02	0.01	0	0
7456	'WIPF1'	457.49	265.58	282.36	271.16	289.31	403.69
7458	'EIF4H'	246.92	175.72	235.4	157.82	298.92	218.98
746	'TMEM258'	142.82	153.42	170.9	151.19	200.67	147.3
7461	'CLIP2'	2.95	3.02	4.02	1.46	3.92	3.03
7462	'LAT2'	110.67	93.76	94.77	45.64	56.63	39.13
7464	'CORO2A'	3.8	3.54	7.99	3.19	10.42	11.19
7465	'WEE1'	27	18.81	21.71	17.83	15.73	16.67
7466	'WFS1'	3.48	2.32	2.75	1.76	7.71	5.04
7468	'NSD2'	87.84	50.32	64.38	34.45	46.49	38.02
7469	'NELFA'	33.61	24.41	25.33	19.51	34.48	25.35
747	'DAGLA'	0.04	0.02	0	0.06	0.02	0.35
7471	'WNT1'	1.36	1.44	3.25	1.3	3.15	3.87
7473	'WNT3'	0.12	0.18	0.12	0.05	0	0.03

7474	'WNT5A'	0.02	0	0	0.02	0	0.02
7475	'WNT6'	0	0.06	0.06	0	0	0
7476	'WNT7A'	0.07	0.11	0	0.1	0.05	0.12
7477	'WNT7B'	0.1	0.05	0.03	0.02	0	0.15
7478	'WNT8A'	0.09	0	0	0	0	0.19
7479	'WNT8B'	0.62	0.19	0.05	0.4	0.83	1.48
7480	'WNT10B'	3.68	7.27	6.93	8.24	9.36	3.76
7481	'WNT11'	16.76	14.38	3.37	5.66	4.45	4.12
7482	'WNT2B'	0.25	0.15	0.17	0.07	0.2	0.21
7483	'WNT9A'	8.88	5.29	3.99	4.74	26.87	7.55
7485	'GET1'	18.4	15.34	18.47	13.38	18.47	14.11
7486	'WRN'	13.29	8.23	6.47	9.33	4.12	6.16
7490	'WT1'	0	0	0.16	0	0	0
7494	'XBP1'	296.93	216.37	316.69	176.54	333.42	308.89
7498	'XDH'	0	0	0.03	0	0	0.02
7499	'XG'	0.07	0	0	0.02	0.08	0.03
7504	'XK'	0.14	0.09	0.21	0.05	0.09	0.11
7507	'XPA'	25.95	26.15	19.92	25.08	22.99	28.5
7508	'XPC'	20.97	16.79	20.13	18.31	58.86	37.41
751071	'CSKMT'	4.27	7.03	3.25	5.13	4.42	4.08
7511	'XPNPEP1'	47.64	45.31	49.41	33.95	66.02	54.3
7512	'XPNPEP2'	1.2	1.34	2.16	1.33	7.72	1.66
7514	'XPO1'	77.95	43.86	85	42.43	56.43	82.53
7515	'XRCC1'	44.15	34.96	55.92	32.91	51.95	50.72
7516	'XRCC2'	4.67	1.82	2.88	1.32	4.1	2.14
7517	'XRCC3'	17.07	11.61	20.66	8.84	12.96	12.83
7518	'XRCC4'	9.71	6.71	13.49	5.28	11.41	10.46
752	'FMNL1'	309.7	201.82	200.36	149.04	185.12	273.41
7520	'XRCC5'	208.89	129.22	240	137.03	121.39	199.85
7525	'YES1'	11.91	8.73	8.05	6.49	7.67	10.34
7528	'YY1'	50.01	32.28	29.51	32.06	37.6	32.91
7529	'YWHAB'	188.69	127.6	212.76	162.4	133.89	199.52
753	'LDLRAD4'	13.22	3.85	3.55	5.88	7.32	6.97
7531	'YWHAE'	189.64	130.88	289.14	120.65	133.03	178.35
7532	'YWHAG'	46.02	27.6	35.31	30.98	33.14	32.26
7533	'YWHAH'	153.02	81.41	161.47	86.93	89.57	118.51
7534	'YWHAZ'	807.57	561.74	755.58	382.7	419.47	796.53
7535	'ZAP70'	222.58	224.42	197.39	151.16	239	246.5
7536	'SF1'	263.06	177.37	179.65	150.82	126.96	195.21
7538	'ZFP36'	1664.4	2758.6	1055.4	1844.44	270.91	1942.86
7539	'ZFP37'	0.49	0.49	0.39	0.33	1.5	0.69
754	'PTTG1IP'	56.66	43.71	52.31	47.47	59.32	67.58
7541	'ZBTB14'	16.25	13.47	11.7	14.5	16.77	16.55
7542	'ZFPL1'	25.85	29.68	35.26	24.7	49.4	43.35
7543	'ZFX'	26.07	15.02	8.29	10.47	9.37	20.92
7544	'ZFY'	0	0	8.12	15.15	7.07	0.02
7546	'ZIC2'	0.26	0.17	0.06	0.03	0.24	0.11
7549	'ZNF2'	1.64	1.14	0.93	1.18	3.32	1.47
755	'CFAP410'	24.02	18.64	15.41	17.19	18.4	20.31
7551	'ZNF3'	19.72	13.78	10.62	15.69	17.01	15.69
7552	'ZNF711'	0.16	0.09	0.16	0	0.07	0.08
7553	'ZNF7'	15.34	11.76	10.61	11.07	20.74	13.86
7554	'ZNF8'	2.51	2.21	1.13	1.71	2.15	2.21
7555	'CNBP'	301.82	249.63	256.18	287.97	200.67	304.15

7556	'ZNF10'	1.99	2.9	1.61	1.02	3.82	3.24
7559	'ZNF12'	9.94	6.96	4.25	7.23	15.14	8.54
7561	'ZNF14'	4.92	5.74	3.41	5.6	8.92	7.37
7562	'ZNF708'	7.9	6.75	3.67	6.54	9.43	7.94
7564	'ZNF16'	5.04	5.11	3.94	5.4	5.57	6.07
7565	'ZNF17'	5.95	4.44	4.06	3.51	8.86	6.18
7566	'ZNF18'	7.63	11.46	8.13	10.1	9.29	12.24
7567	'ZNF19'	0.28	0.21	0.21	0.34	0.62	0.18
7568	'ZNF20'	2.41	2.38	1.66	2.39	2.89	2.22
7569	'ZNF182'	7.76	5.77	3.98	5.92	9.65	6.98
757	'TMEM50B'	22.5	21.29	18.55	19.08	16.25	26.12
7570	'ZNF22'	34.43	25.42	30.33	30.51	34.84	31.89
7571	'ZNF23'	6.08	5.9	4.32	5.9	10.17	8.3
7572	'ZNF24'	28.18	17.64	16.93	22.43	22.41	30.36
7574	'ZNF26'	17.82	15.86	7.88	12.41	9.51	11.43
7576	'ZNF28'	2.44	2.15	4.35	2.64	5.22	3.78
7579	'ZSCAN20'	0.29	0.35	0.26	0.27	0.4	0.49
7580	'ZNF32'	20.84	27.86	18.84	25.14	25.83	30.64
7581	'ZNF33A'	19.05	9.41	6.48	11.8	13.7	12.09
7582	'ZNF33B'	4.54	3.03	3.46	4.24	7.26	6.55
7584	'ZNF35'	5.59	3.5	2.6	3.45	2.69	3.23
7586	'ZKSCAN1'	10.05	5.09	5.25	6.33	17.31	10.23
7587	'ZNF37A'	14.67	9.36	7.38	6.72	14.33	14.9
7589	'ZSCAN21'	9.89	9.26	7.07	5.67	12.19	9.76
759	'CA1'	0.38	0.33	1.9	0	0	0
7592	'ZNF41'	7.95	4.19	4.54	4.88	5.92	7.14
7593	'MZF1'	5.51	6.43	4.99	4.54	12.93	8.2
7594	'ZNF43'	4.21	2.98	4.31	3.25	4.8	5.12
7596	'ZNF45'	15.46	11.34	8	9.44	11.96	12.71
7597	'ZBTB25'	21.8	17.01	10.29	16.56	62.38	20.43
760	'CA2'	1.27	0.48	1.01	1.53	0.42	1.59
7608	'ZNF56'	0.6	0.46	0.56	0.26	0.7	1.19
761	'CA3'	0	0.12	0	0	0.06	0.14
7617	'ZNF66'	23.07	8.72	5.12	6.8	9.24	11.38
762	'CA4'	0	0	0.1	0	0	0.11
7620	'ZNF69'	1.86	1.51	1.54	0.28	0.97	2.31
7621	'ZNF70'	1.11	0.62	0.35	0.25	2.84	0.68
7625	'ZNF74'	3.23	3.62	2.78	2.72	5.43	3.67
7626	'ZNF75D'	9.52	8.78	6.76	9.01	11.14	12.14
7627	'ZNF75A'	18.15	19.59	14.35	16.95	19.17	29.82
7629	'ZNF76'	22.05	21.25	25.4	15.32	31.26	28.69
763	'CA5A'	0	0	0.16	0.24	1.06	0.39
7633	'ZNF79'	17.47	9.75	7.48	6.78	17.37	18.45
7634	'ZNF80'	1.27	1.03	0.59	1.04	2.16	1.45
7637	'ZNF84'	6.19	5.85	3.22	4.25	11.3	5.1
7638	'ZNF221'	0.68	0.25	0.41	0.35	0.69	0.49
7639	'ZNF85'	6.02	4.84	7.48	3.91	7	7.48
7643	'ZNF90'	1.69	1.33	1.06	0.59	0.79	0.36
7644	'ZNF91'	4.06	3.3	2.64	4.34	7.85	3.6
765	'CA6'	1.64	0.73	2.99	1.12	39.52	3.76
766	'CA7'	0.09	0	0.07	0	0	0.08
767	'CA8'	0	0.11	0.45	0.05	0	0.09
7673	'ZNF222'	4.65	4.79	2.59	3.19	8.18	5.66
7675	'ZNF121'	8.82	5.65	5.04	4.96	4.18	8.02

767558	'LUZP6'	41.34	25.5	35.69	20.17	35.33	35.45
7678	'ZNF124'	5.9	4.99	4.5	4.82	5	5.59
768	'CA9'	0.09	0	0.07	0.13	2.72	0
7681	'MKRN3'	0.22	0.04	0.12	0.74	0.13	0.24
768206	'PRCD'	0.12	0.06	0.12	0.06	0.54	0.21
768211	'RELL1'	19.83	16.31	12.01	13.32	12.88	18.53
7690	'ZNF131'	28.96	27.41	21.06	27.36	27.89	30.39
7691	'ZNF132'	0.3	0.17	0.42	0.49	1.57	0.65
7692	'ZNF133'	3.27	3.14	4.05	2.26	8.59	5.15
7693	'ZNF134'	9.3	8.17	4.82	8.08	10.03	11.12
7694	'ZNF135'	0.38	0.31	0.16	0.06	0	0
7695	'ZNF136'	6.74	5.82	3.32	6.42	4.38	7.46
7697	'ZNF138'	4.52	6.31	5.3	5.33	8.18	6.23
7699	'ZNF140'	8.18	10.49	8.02	8.42	17.25	12.53
770	'CA11'	10.44	11.72	8.44	8.64	13.65	10.86
7700	'ZNF141'	3.67	3.03	3.18	2.17	5.69	4.1
7701	'ZNF142'	30.27	15.69	11.51	11.33	11.13	14.4
7702	'ZNF143'	20.38	15.43	10.83	15.27	14.8	15.6
7703	'PCGF2'	0.06	0.03	0.15	0.04	0.26	0.07
7704	'ZBTB16'	26.56	15.51	7.19	5.73	8.69	5.37
7705	'ZNF146'	59.48	33.62	36.07	39.45	52.63	45.57
7706	'TRIM25'	47.86	19.79	26.49	37.76	34.4	52.88
7707	'ZNF148'	13.15	8.82	7.37	8.2	12.52	11.82
7709	'ZBTB17'	28.59	23.65	18.27	20.03	24.59	26.51
771	'CA12'	0	0.02	0.02	0.07	0.02	0
7710	'ZNF154'	0.57	0.55	0.48	0.29	0.36	0.82
7711	'ZNF155'	9.57	10.41	6.33	5.46	9.46	9.12
7712	'ZNF157'	0.31	0	0.04	0.29	0.47	0.32
7716	'VEZF1'	42.47	27.46	21.15	27.11	37.01	34.41
7718	'ZNF165'	1.89	1.2	1.01	1.46	0.94	2.35
7726	'TRIM26'	91.13	64.05	75.22	44.7	75.79	94.71
7727	'ZNF174'	14.35	15.97	13.16	12.11	17.02	13.03
7728	'ZNF175'	1.1	1.21	1.34	1.63	1.39	2.04
773	'CACNA1A'	0.24	0.26	0.18	0.13	0.32	0.28
7730	'ZNF177'	0.22	0.15	0.16	0.16	0.37	0.21
7732	'RNF112'	0.17	0.29	0.13	0.36	1.01	0.6
7733	'ZNF180'	6.83	6.13	4.41	6.16	7.27	7.53
7737	'RNF113A'	53.25	53.63	53.21	60.13	89.14	76.7
7738	'ZNF184'	9.34	6.82	4.94	7.86	9.98	7.79
7739	'ZNF185'	0.34	0.39	0.53	0.65	0.92	0.79
774	'CACNA1B'	0.01	0	0.01	0.01	0	0
7741	'ZSCAN26'	8.96	9.23	6.63	6.06	17.21	11.28
7743	'ZNF189'	6	3.72	3.11	3.12	8.82	5.66
7745	'ZKSCAN8'	18.99	10.92	4.61	7.58	13.56	10.93
7746	'ZSCAN9'	5.99	5.86	2.24	2.32	4.97	2.61
7748	'ZNF195'	19.46	20.59	15.24	19.56	21.2	25.75
775	'CACNA1C'	0.07	0.02	0.04	0.04	0.06	0.06
7750	'ZMYM2'	25.49	29.59	17.01	24.25	27.62	29.62
7752	'ZNF200'	6.16	4.24	4.93	4.21	9.67	5.91
7753	'ZNF202'	11.93	9.16	7.86	8.4	5.74	9.03
7755	'ZNF205'	0.14	0.1	0.05	0.05	0.18	0.12
7756	'ZNF207'	253.64	138.44	141.01	141.92	112.52	160.74
7757	'ZNF208'	0.76	0.76	0.21	0.21	0.11	0.28
776	'CACNA1D'	0.32	0.12	0.32	0.05	0.73	1.04

7760	'ZNF213'	12.61	8.03	9.6	4.53	15.15	10.91
7761	'ZNF214'	0.03	0	0	0	0	0.04
7762	'ZNF215'	1.05	0.68	0.41	0.1	0.29	0.29
7763	'ZFAND5'	53.2	40.58	40.44	33.11	37.27	66.2
7764	'ZNF217'	36.49	23.6	14.03	25.64	30.17	27.62
7766	'ZNF223'	0.56	0.86	0.42	1.02	0.57	0.36
7767	'ZNF224'	15.92	16.34	7.92	10.53	18.56	17.83
7768	'ZNF225'	1.7	1.52	1.79	1.54	3.95	2.95
7769	'ZNF226'	8.17	14.43	10.97	11	16.12	16.12
777	'CACNA1E'	0.1	0.02	0.04	0.03	0.02	0.07
7770	'ZNF227'	13.58	12.26	8.85	8.63	19.51	13.67
7771	'ZNF112'	0	0.03	0	0	0.03	0
7772	'ZNF229'	0.15	0.08	0.06	0	0.26	0.07
7773	'ZNF230'	2.14	1.95	1.42	1.38	3.62	2.31
7775	'ZNF232'	7.22	4.02	4.36	5.25	6.79	3.61
7776	'ZNF236'	11.5	4.89	3.45	4.1	5.08	5.38
7779	'SLC30A1'	65.82	40.25	10.69	67.76	7.8	18.41
778	'CACNA1F'	0.2	0.24	0.15	0.19	0.4	0.13
7780	'SLC30A2'	0.04	0	0.03	0.03	0.03	0.07
7781	'SLC30A3'	0.09	0.1	0.1	0.1	2.21	0
7782	'SLC30A4'	5.49	3.55	2.09	2.89	2.94	3.53
7784	'ZP3'	0.45	0.46	1.67	0	1.48	1.02
7786	'MAP3K12'	6.27	8.37	7.16	4.18	15.93	14.08
7789	'ZXDA'	3.49	1.72	1.02	2.78	1.85	2.33
779	'CACNA1S'	0	0	0	0	0.02	0
7791	'ZYX'	245.26	237.72	252.02	151.37	333.31	301.13
7798	'LUZP1'	10.31	3.94	4.1	5.19	5.39	7.6
7799	'PRDM2'	42.96	29.23	19.24	24.88	28.1	37.81
780	'DDR1'	1.05	0.93	0.36	1.92	2.86	1.87
7802	'DNALI1'	0.1	0.11	0.07	0.14	0.23	0.39
7803	'PTP4A1'	52.04	32.19	47.84	32.01	39.14	74.28
7804	'LRP8'	61.92	28.21	29.97	21.71	10.87	28.02
7805	'LAPTM5'	1649.4	1419.9	1193.4	1341.49	1877.22	1834.18
780776	'TVP23A'	2.27	2.22	1.14	2.05	1.12	2.32
7809	'BSND'	0	0.02	0.01	0.01	0.04	0.07
781	'CACNA2D1	0.02	0	0	0	0	0.02
7812	'CSDE1'	244.96	174.5	193.85	157.4	223.06	236.15
7813	'EVI5'	0.1	0.07	0.23	0.07	0.16	0.33
7818	'DAP3'	94.49	79.46	116.63	74.82	66.29	102.21
782	'CACNB1'	28.55	28.85	16.96	18.33	22.98	22.03
783	'CACNB2'	1.11	0.46	0.6	0.34	0.46	0.74
7832	'BTG2'	140.69	194.44	166.85	191.5	70.45	257.18
7837	'PXDN'	0.23	0.34	0.54	0.09	0.38	0.05
784	'CACNB3'	6.3	9.44	7.57	4.82	19.94	13
7840	'ALMS1'	6.09	1.71	1.7	1.92	2.54	2.42
7841	'MOGS'	49.22	49.95	42.33	35.7	58.44	53.53
7844	'RNF103'	31.55	32.41	17.07	26.25	18.79	30.18
7846	'TUBA1A'	127.74	108.34	163.06	149.97	76.57	170.66
7849	'PAX8'	0.17	0.19	0.5	0	3.44	0.64
785	'CACNB4'	0.07	0.04	0.02	0.05	0.04	0.11
7850	'IL1R2'	0.13	0.1	0.41	0.09	0.17	1.28
7851	'MALL'	0	0	0.34	0	0	0.35
7852	'CXCR4'	809.57	746.31	1273	693.65	1785.43	1510.8
7855	'FZD5'	0.45	0.17	0.27	0.2	0.3	0.33

7857	'SCG2'	0.05	0	0.12	0	0.04	0.05
786	'CACNG1'	0	0	0	0	0.09	0
7862	'BRPF1'	35.94	29.68	22.35	19.07	22.7	25.81
7866	'IFRD2'	17	10.84	27.28	13.67	6.27	18.81
7867	'MAPKAPK3	155.63	122.99	149.67	91	110.37	111.26
7869	'SEMA3B'	0.45	0.38	0.22	0.22	0.33	0.28
7871	'SLMAP'	21.92	17.58	19.1	13.86	16.63	23.42
7873	'MANF'	163.73	157.93	259.36	161.11	224.87	216.37
7874	'USP7'	81.82	54.86	59.99	53.08	54.61	73.2
7879	'RAB7A'	261.92	160.71	216.26	182.8	176.32	238.7
788	'SLC25A20	42.44	40.51	58.2	39.23	51.62	66.33
7881	'KCNAB1'	0.65	0.47	0.16	0.37	0.76	0.42
7884	'SLBP'	154.74	94.37	150.1	112.13	131.5	104.3
78987	'CRELD1'	5.97	7.08	8	5.54	12.73	11.39
78988	'MRPL57'	52.14	56.74	86.7	45.6	68.95	69.44
78989	'COLEC11'	0	0	0	0.08	0	0
78990	'OTUB2'	0.42	0.39	0.41	0.64	1.72	1.51
78991	'PCYOX1L'	13.49	22.92	21.86	11.05	20.93	23.99
78992	'YIPF2'	27.92	28.9	26.83	19.39	27.48	26.32
78994	'PRR14'	125.76	112.52	93.08	64.59	97.46	116.84
78995	'HROB'	7.6	5.4	9.41	4.26	7.04	5.02
78996	'CYREN'	39.48	22.5	32.14	19.92	28.59	31.73
78997	'GDAP1L1'	0	0	0.04	0.04	0	0
78999	'LRFN4'	29.43	23.55	13.55	13.03	10.43	15.4
790	'CAD'	19.7	6.52	17.32	7.52	5.01	12.07
79000	'AUNIP'	2.92	1.27	4.99	1.48	1.72	2.44
79001	'VKORC1'	105.03	112.67	149.17	110.88	212.95	163.74
79002	'TRIR'	604.4	719.01	745.89	771.13	810.27	745.63
79003	'MIS12'	31.09	18.85	29	30.86	22.29	23.18
79004	'CUEDC2'	75.74	81.34	97.41	64.53	86.61	93.43
79005	'SCNM1'	31.08	29.18	37.33	26.93	30.47	35.15
79006	'METRN'	4.73	6.82	2.44	2.94	3.28	3.34
79007	'DBNDD1'	0.3	0.34	0.55	0.21	0.81	1.9
79008	'SLX1B'	2.75	1.67	4.03	1.54	1.64	1.76
79009	'DDX50'	32.58	24.79	32.23	29.31	32.11	33.54
79012	'CAMKV'	0	0.03	0.06	0.06	0	0
79016	'DDA1'	39.11	37.48	35.19	33.82	23.12	41
79017	'GGCT'	48.57	44.15	67.71	37.43	35.99	36.21
79018	'GID4'	8.28	5.2	4.59	5.93	7.44	7.32
79019	'CENPM'	76	64.28	145.84	40.68	72.12	44.32
79020	'C7orf25'	5.49	4.17	5.12	5.31	7.96	6.16
79022	'TMEM106C	78.29	66.52	124.95	51.95	125.4	68.11
79023	'NUP37'	11.14	11.8	24.38	9.8	12.3	15.72
79025	'FNDC11'	0.17	0.97	0.85	0.7	1.72	0.87
79026	'AHNAK'	261.02	126.76	111.19	132.92	212.22	211.13
79027	'ZNF655'	136.11	125.25	91.81	107.58	181.95	115.82
79029	'SPATA5L1	11.21	6.92	5.68	9.51	7.71	5.65
7903	'ST8SIA4'	32.09	21.81	23.25	21.94	24.81	23.9
79031	'PDCL3'	68.23	60.05	78.67	57.84	33.22	88.06
79033	'ERI3'	37.58	35.56	48.6	35.62	26.86	42.13
79034	'C7orf26'	58.41	54.05	43.92	39.54	30.65	49.6
79035	'NABP2'	77.16	64.57	89.48	53.04	55.69	59.74
79036	'KXD1'	141.69	142.24	167.39	113.83	149.82	183.39
79037	'PVRIG'	152.94	154.87	203.21	116.34	132.07	249

79038	'ZFYVE21'	10.72	6.32	10.06	9.26	12.47	13.99
79039	'DDX54'	47.68	36.6	44.59	31.59	23.35	39.29
79041	'TMEM38A'	0.35	0.34	0.44	0.21	1.71	0.57
79042	'TSEN34'	8.08	11.34	14.83	8.82	33.06	15.97
79047	'KCTD15'	0.64	0.49	0.58	0.14	0.48	1.1
79048	'SECISBP2	35.7	24.01	20.18	25.21	13.5	26.96
7905	'REEP5'	82.66	80.01	77.38	88.45	79.11	108.01
79050	'NOC4L'	35.49	29.57	49.57	25.32	21.26	37.48
79053	'ALG8'	45.15	29.62	60.18	25.72	28.11	36.41
79054	'TRPM8'	0.16	0.35	0.12	0.15	0.26	0.15
79056	'PRRG4'	4.67	2.09	2.82	2.45	3.72	3.7
79058	'ASPSCR1'	16.06	15.27	20.56	11.58	14.48	18.34
79064	'TMEM223'	14.43	16.22	26.06	13.11	18.29	27.62
79065	'ATG9A'	38.48	25.8	28.96	22.42	54.67	43.45
79066	'METTL16'	11.23	6.77	6.29	9.4	5.51	8.02
79068	'FTO'	8.33	4.46	6.33	6.82	8.9	9.92
79070	'POGLUT2'	17.88	11.29	16.16	7.59	12.04	11
79071	'ELOVL6'	43.3	25.17	40.67	23.86	36.52	52.61
79072	'FASTKD3'	10.27	7.95	5.64	6.3	9.9	7.91
79073	'TMEM109'	126.61	87.61	132.45	115.84	82.55	93.72
79074	'C2orf49'	8.87	8.39	8.14	7.9	15.64	10.71
79075	'DSCC1'	12.08	6.18	16.76	5.14	7.32	4.77
79077	'DCTPP1'	71.1	51.29	94.75	56.06	24.34	46.42
79078	'C1orf50'	4.05	2.68	2.69	2.94	3.52	3.81
79080	'CCDC86'	34.2	32.93	38.71	21.94	13.12	37.45
79081	'LBHD1'	19.75	15.47	12.05	13.96	12.74	15.94
79083	'MLPH'	0	0.05	0	0	0	0
79084	'WDR77'	17.41	11.33	22.88	12.59	8.12	22.81
79085	'SLC25A23	11.64	12.83	17.78	9.52	33.13	36.63
79086	'SMIM7'	77.19	62.37	54.78	54.04	36.39	51.59
79087	'ALG12'	23.89	17.19	16.2	10.98	25.79	18.4
79088	'ZNF426'	3.77	3.05	3.33	3.33	5.5	7.81
79089	'TMUB2'	40.2	44.27	36.62	29.46	44.38	56.7
79090	'TRAPPC6A	71.84	154.82	88.19	111	106.05	98.07
79091	'METTL22'	12.19	11.06	8.25	9.68	6.88	8.28
79092	'CARD14'	0.34	0.27	0.06	0.13	1.19	0.35
79094	'CHAC1'	29.19	12.54	20.34	8.08	14.16	23.53
79095	'C9orf16'	540.99	811.47	507.01	570.31	395.62	568.9
790955	'UQCC3'	7.77	13.76	16.26	11.56	10.48	11.15
79096	'C11orf49	14.04	12.35	22.37	11.24	16.2	26.43
79098	'C1orf116	0.1	0.05	0.07	0.05	0.07	0.02
79101	'TAF1D'	49.81	39.29	31.33	40.88	35.12	40.2
79102	'RNF26'	37.03	28.01	40.11	18.06	18.9	27.67
79109	'MAPKAP1'	45.31	36.31	43.48	32.3	24.71	44.74
7913	'DEK'	180.61	100.37	159.1	96.7	128.34	109.71
79132	'DHX58'	7.51	10.49	14.84	17.52	8.91	48.4
79133	'NDUFAF5'	12.04	17.21	13.83	13.17	4.84	15.04
79134	'TMEM185B	21.66	13.34	14.43	11.72	11.38	13.02
79135	'APOO'	32.45	36.88	37.16	21.68	20.07	25.83
79137	'RETREG2'	56.75	47.22	44.6	44.99	73.11	59.39
79139	'DERL1'	121.61	89.25	79.94	86.09	77.6	98.01
79140	'CCDC28B'	25.35	27.1	50.94	14.65	13.83	20.99
79142	'PHF23'	34.56	28.5	42.23	34.37	75.91	63.59
79143	'MBOAT7'	58.5	47.76	44.01	29.09	53.47	62.7

79144	'PPDPF'	290.32	295.41	417.4	166.4	386.06	411.69
79145	'CHCHD7'	20.67	23.2	20.96	28	28.06	26.91
79147	'FKRP'	14.5	10.29	7.49	8.11	7.54	11.2
79148	'MMP28'	0	0	0.46	0	0.15	0.27
79149	'ZSCAN5A'	5.41	2.93	3.74	3.53	2.18	3.91
7915	'ALDH5A1'	0.87	0.84	1.08	0.47	0.86	0.68
79152	'FA2H'	0	0.05	0.19	0	0	0.61
79153	'GDPD3'	1.01	4.59	3.97	2.53	4.83	2.9
79154	'DHRS11'	4.65	4.73	8.77	3.38	4.91	4.29
79155	'TNIP2'	56.81	55.41	51.51	45.33	50.58	68.55
79156	'PLEKHF1'	101.27	92.55	38.45	84.02	133.78	127.28
79157	'MFSD11'	16.82	9.88	12.06	13.03	11.86	22.22
79158	'GNPTAB'	233.38	105.69	62.11	94.65	103.5	67.38
79159	'NOL12'	11.81	13.33	13.04	12	8.42	15.19
7916	'PRRC2A'	139.93	69.29	77.57	46.44	69.18	99.47
79161	'TMEM243'	41.05	41.86	41.07	35.3	59.53	41.93
79165	'LENG1'	17.72	17.91	18.32	20.59	13.52	25.29
79168	'LILRA6'	0.12	0.15	0.04	0.19	0.71	0.53
79169	'C1orf35'	17.29	20.11	19.59	15.82	24.9	20.65
7917	'BAG6'	144.13	82.23	95.39	64.19	94.11	104.01
79170	'PRR15L'	0.34	0	0	0	0	0
79171	'RBM42'	110.62	95.87	118.5	82.24	77.32	110.01
79172	'CENPO'	31.2	15.22	17.14	13.04	10.85	10.29
79173	'C19orf57	2.28	0.81	3.01	0.51	1.48	0.66
79174	'CRELD2'	60.99	65.26	66.65	54.4	74.98	85.45
79175	'ZNF343'	5.25	4.53	3.23	4.38	8.23	5.65
79176	'FBXL15'	23.61	34.49	31.96	30.38	35.58	39.59
79177	'ZNF576'	6.24	4.45	6.09	4.23	5.86	7.79
79178	'THTPA'	8.51	6.19	6.53	3.54	6.7	8.9
7918	'GPANK1'	23.6	16.04	29.54	14.76	40.45	25.31
79180	'EFHD2'	304.9	288.5	278.79	269.86	239.19	272.24
79183	'TTPAL'	9.74	3.79	3.86	4.56	5.05	7.54
79184	'BRCC3'	16.23	10.32	13.14	9.26	14.82	15.25
79187	'FSD1'	13.05	15.41	7.29	4.64	17.22	14.84
79188	'TMEM43'	56.99	34.59	34.87	64.96	69.63	66.54
7919	'DDX39B'	306.09	243.42	244.95	250.19	201.45	269.89
79191	'IRX3'	0	0.08	0.26	0.03	0.31	0.09
7920	'ABHD16A'	26.35	24.26	31.96	21.33	22.59	36.36
7922	'SLC39A7'	94.89	76.11	75.46	56.01	91.14	78.46
79228	'THOC6'	57.28	47	59.38	48.78	38.63	44.27
7923	'HSD17B8'	7.25	6.48	8.32	5.2	13.19	6.48
79230	'ZNF557'	3.98	1.75	1.69	2.53	2.9	4.01
79258	'MMEL1'	0.07	0	0.05	0	0.11	0
79269	'DCAF10'	10.98	7.29	6.62	7.14	9.01	9.83
79290	'OR13A1'	0	0.1	0.14	0.04	0.12	0.13
793	'CALB1'	0.11	0	0	0	0.13	0.09
79310	'OR5H2'	0	0.13	0	0	0	0
7932	'OR2H2'	0	0.02	0	0	0.34	0.14
79339	'OR51B4'	0	0	0	0	0	0.15
7936	'NELFE'	65.63	64.27	96.02	70.99	69.41	107.22
79363	'CPLANE2'	0.81	0.85	1.94	1.38	3.29	1.96
79364	'ZXDC'	36.91	21.61	11.74	22.42	18.16	19.06
79365	'BHLHE41'	0.03	0	0.13	0.17	0.03	1.16
79366	'HMGN5'	1.86	1.41	4.2	2.16	1.65	3.48

79368	FCRL2	0	0.04	0.15	0	0	0.51
79369	B3GNT4	0.59	0.3	0.59	0.92	4.61	0.81
79370	BCL2L14	0.14	0.27	0.38	0.53	0.23	1.96
794	CALB2	0	0	0.16	0	0	0
7940	LST1	22.77	41.72	60.91	38.57	40.06	78.47
7941	PLA2G7	0	0.06	0	0.83	0	0.44
79411	GLB1L	2.83	3.64	3.17	2.23	2.42	2.77
79412	KREMEN2	0.31	0.17	0.29	0.16	0.18	0.74
79413	ZBED2	3.61	1.83	1.08	1.57	1.51	1.8
79414	LRFN3	3.11	2.34	4.64	2.37	7.77	7.39
79415	CYBC1	73.77	77.9	112.66	60.1	143.91	138.52
7942	TFEB	42.2	32.75	40.13	34.06	31.75	38.08
79441	HAUS3	18.1	12.57	10.67	12.86	9.85	23.82
79442	LRRC2	0.05	0.04	0	0.18	0.1	0.22
79443	FYCO1	9.01	5.52	4.42	5.8	13.61	11.28
79444	BIRC7	0	0	0	0.16	0	0
79446	WDR25	7.22	9.6	10.01	5.8	15.04	12.88
79447	PAGR1	18.03	13.03	27.91	10.64	22.7	21.15
79465	ULBP3	0.47	0.77	2.28	1.21	3.51	1.77
79541	OR2A4	0.23	0.36	0	0.36	0	1.5
79549	OR6J1	0	0	0	0.08	0	0
79567	RIPOR1	12.86	10.3	6.45	5.12	12.93	11.64
79568	MAIP1	11.08	10.33	15.54	9.76	10.13	15.43
7957	EPM2A	3.86	2.53	2.7	2.4	0.71	2.22
79570	NKAIN1	0	0	0	0	0.07	0
79571	GCC1	20.95	14.11	11.03	16.74	17.3	16.98
79572	ATP13A3	41.63	19.54	19.42	15.7	17.23	17.69
79573	TTC13	44.47	43.91	29.84	33.52	30.57	41.06
79575	ABHD8	14.54	17.08	14.58	9.37	18.69	20.34
79576	NKAP	9.73	10.75	13	10.71	17.57	17.32
79577	CDC73	28.39	11.79	12.11	14.37	20.09	23.12
79581	SLC52A2	48.54	43.24	51.85	34.24	33.88	54.93
79582	SPAG16	4.4	5.37	8.08	6.02	12.61	6.11
79583	TMEM231	1.17	1.11	0.93	1.18	0.7	0.94
79585	CORO7	157.29	109.14	85.31	96.18	119.38	139.64
79586	CHPF	21.37	20.45	18.47	14.75	30.9	31.84
79587	CARS2	28.07	25.16	32.43	26.84	19.71	30.73
79589	RNF128	0	0	0	0.03	0	0.09
79590	MRPL24	54.18	45.8	117.46	49.24	24.79	74.42
79591	ARMH3	20	13.46	11.47	11.03	15.27	16.3
79594	MUL1	32.58	26.59	23.65	30.43	26.8	28.5
79595	SAP130	29.52	19.26	20.31	13.86	26.49	23.39
79596	OBI1	8.52	6.87	6.04	8.45	9.76	7.55
79598	CEP97	6.76	3.49	3.71	2.89	4.04	3.52
796	CALCA	0	0.05	0	0	0	0
79600	TCTN1	1.73	2.21	2.2	1.95	3.7	2.01
79602	ADIPOR2	65.12	45.11	46.68	40.26	56.89	51.74
79603	CERS4	44.5	40.16	27.67	28.91	26.05	37.58
79605	PGBD5	0	0	0.01	0	0	0
79607	FAM118B	9.39	8.94	10.67	8.98	8.18	14.18
79608	RIC3	1.79	0.37	0.67	1.46	0.26	1.18
79609	VCPKMT	35.26	30.87	22.27	26.63	9.86	32.62
79612	NAA16	20.01	15.36	10.98	12.5	10.59	15.39
79613	TANGO6	5.95	4.2	5.22	4.75	5.03	6.39

79616	'CCNJL'	5.71	4.88	2.04	2.85	1.42	0.64
79618	'HMBOX1'	16.78	8.6	4.9	7.37	10.41	8.63
79621	'RNASEH2E	65.81	56.3	89.09	54.21	43.27	56.94
79622	'SNRNP25'	36.68	34.99	56.52	34.02	22.77	35.09
79623	'GALNT14'	0	0.08	0.14	0.3	0.05	0.06
79624	'ARMT1'	10.68	8.82	18.13	9.78	19.54	18.3
79625	'NDNF'	0	0	0	0.01	0.25	0
79626	'TNFAIP8L	5.91	9.85	20.61	6.27	37.86	24.26
79627	'OGFRL1'	18.89	15.57	7.84	12.49	19.97	12.77
79629	'OCEL1'	19.91	20.76	33.22	12.38	38.41	28.04
79630	'C1orf54'	3.41	4.24	2.31	4.99	1.23	5.28
79631	'EFL1'	13.78	11.92	18.07	10.93	16.38	16.8
79632	'FAM184A'	0.15	0.11	0.46	0.06	0.29	0.4
79633	'FAT4'	0.25	0.17	0.02	0.05	0.09	0.02
79634	'SCRN3'	7.18	5.87	7.57	5.05	8.83	7.5
79635	'CCDC121'	0.17	0.34	0.24	0.13	1.44	0.44
79637	'ARMC7'	27.32	24.9	23.82	16.85	20.72	26.16
79639	'TMEM53'	3.79	5.14	2.77	5.04	2.96	5.38
79641	'ROGDI'	9.46	9	10.89	4.49	8.43	13.75
79642	'ARSJ'	0.07	0	0	0.08	0	0.11
79643	'CHMP6'	50.61	54.1	50.36	24.27	45.92	52.23
79644	'SRD5A3'	7.83	4.28	7.07	4.67	5.22	10.02
79646	'PANK3'	36.08	14	10.85	14.67	11.57	14.82
79647	'AKIRIN1'	56.3	42.64	41.91	51.16	43.35	78.1
79648	'MCPH1'	23.52	16.81	13.19	18.31	15.67	20.48
79649	'MAP7D3'	12.29	8.71	10.15	8.66	8.81	11.39
7965	'AIMP2'	38.25	27.76	45.98	27.57	13.06	36.32
79650	'USB1'	66.35	53.16	60.72	32.7	36.28	64.83
79651	'RHBDF2'	27.16	23.33	23.25	21.4	20.84	38.95
79652	'TMEM204'	15.57	14.92	17.12	6.57	32.57	37.23
79654	'HECTD3'	26.61	21.56	22.67	17.48	31.24	34.35
79656	'BEND5'	0.34	0.24	0.45	0.28	0.45	0.22
79657	'RPAP3'	12.78	9.57	13.15	8.77	12.56	14.21
79658	'ARHGAP10	15.84	16.44	12.53	13.33	16.35	16.61
79659	'DYNC2H1'	0.73	0.39	0.14	0.64	1.4	0.63
79660	'PPP1R3B'	1.25	0.86	1.19	1.73	10.23	3.54
79661	'NEIL1'	10.5	10.35	5.92	5.17	5.13	9.02
79663	'HSPBAP1'	8.31	7.11	8.17	10.1	11.06	12.15
79664	'ICE2'	15.63	11.18	16.38	10.9	17.5	20
79665	'DHX40'	16.74	15.74	13.57	11.04	27.14	17.63
79666	'PLEKHF2'	16.57	15.4	12.43	17.5	19.48	29.33
79668	'PARP8'	131.65	99.44	75.64	109.32	106.16	127.35
79669	'C3orf52'	0.6	0.45	1.38	0.33	0.36	0.52
79670	'TUT7'	37.74	21.95	16.09	22.62	25.14	30.47
79671	'NLRX1'	9.33	7.22	10.25	4.48	10.24	9.19
79672	'FN3KRP'	32.92	25.35	41.51	22.5	26.98	21.03
79673	'ZNF329'	3.86	3.88	1.96	3.97	3.11	3.26
79675	'FASTKD1'	11.14	11.41	16.79	9.21	12.4	11.7
79676	'OGFOD2'	11.04	9.95	12.49	8.93	15.54	14.03
79677	'SMC6'	20.82	17.47	17.37	11.27	21.29	18.51
79679	'VTCN1'	0.06	0	0	0	0	0
79680	'RTL10'	3.9	2.62	2.55	1.94	4.48	2.7
79682	'CENPU'	34.31	25.88	43.26	14.7	30.38	13.86
79683	'ZDHHC14'	50.61	42.28	26.84	29.96	69.33	40.22

79684	'MSANTD2'	8.03	10.3	9.05	7.32	8.81	9.39
79685	'SAP30L'	8.7	6.37	6.29	6.62	8.08	6.76
79689	'STEAP4'	0.01	0.02	0.02	0	0.04	0.02
79690	'GAL3ST4'	0.27	0.08	0.45	0.23	0.43	0.72
79691	'QTRT2'	11.08	8.3	7.29	7.38	4.43	9.05
79692	'ZNF322'	4.92	3.23	2.15	3.38	5.09	3.24
79693	'YRDC'	26.35	23.13	27.32	23.18	10.28	25.76
79694	'MANEA'	12.53	8.35	5.27	7.45	7.48	9.1
79695	'GALNT12'	1.38	1.69	1.91	2.27	2.24	1.67
79696	'ZC2HC1C'	1.48	0.54	1.48	0.38	1.97	1.1
79697	'RIOX1'	17.21	13.13	17.85	14.87	12.2	21.95
79699	'ZYG11B'	2.06	1.71	2.17	1.77	2.52	3.76
797	'CALCB'	0	0.46	0.22	0	0.23	0.26
79701	'OGFOD3'	9.56	6.01	7.75	6.4	4.65	5.62
79703	'C11orf8(	8.69	8.86	8.23	6.04	8.4	11.95
79705	'LRRK1'	1.74	0.75	0.95	0.78	0.81	1.55
79706	'PRKRIP1'	21.51	29.18	19.5	22.34	24.18	23.82
79707	'NOL9'	13.11	10.03	5.69	9.01	4.97	10.39
79709	'COLGALT1	44.15	25.95	33.84	23.15	20.73	26.51
79710	'MORC4'	1.93	1.74	2.02	1.71	3.99	2.01
79711	'IPO4'	17.87	9.5	18.65	10.9	7.05	21.26
79712	'GTDC1'	28.57	19.25	22.93	22.48	17.24	32.16
79713	'IGFLR1'	107.75	109.62	63.57	128.26	99.74	115.17
79714	'CCDC51'	6.79	6.34	12.44	6.77	11.47	12.01
79716	'NPEPL1'	39.23	45.26	23.4	31.73	34.95	42.93
79717	'PPCS'	31.89	29.24	25.43	33.41	39.47	37.12
79718	'TBL1XR1'	22.15	21.48	16.17	15.06	18.01	17.95
79719	'AAGAB'	45.87	25.45	42.69	29.25	22.9	48.21
79720	'VPS37B'	98.17	56.93	52.31	82.12	81.77	79.27
79722	'ANKRD55'	1.6	1.72	8.64	0.85	4.52	9.67
79723	'SUV39H2'	6.68	4.49	9.15	3.68	6.48	5.73
79724	'ZNF768'	11.96	12.14	11.6	9.3	21.57	8.95
79725	'THAP9'	1.86	1.38	2.15	1.4	1.71	2.42
79726	'WDR59'	19.66	13.44	15.27	13.78	28.34	29.26
79727	'LIN28A'	0	0	0	0.05	0	0
79728	'PALB2'	13.08	8.23	8.55	8.79	8.7	10.24
79729	'SH3D21'	5.87	9.72	1.97	5.27	39.44	3.1
79730	'NSUN7'	0.2	0.27	0.18	0.17	0.61	0.72
79731	'NARS2'	8	5.22	7.16	5.84	5.56	6.58
79733	'E2F8'	23.99	10.5	22.35	7.5	15.4	8.39
79734	'KCTD17'	37.14	31.81	29.43	24.47	51.48	42.26
79735	'TBC1D17'	50.12	42.34	41.29	40.97	70.82	74.02
79736	'TEFM'	7.6	6.32	9.9	6.83	10.29	7.4
79738	'BBS10'	1.74	1	1.14	1.17	4.04	1.81
79739	'TTLL7'	0.63	0.43	1.15	0.22	3.02	0.84
79741	'CCDC7'	2.4	1.74	1.26	1.38	1.66	2.34
79742	'DIPK2B'	0.09	0.08	0	0	0	0
79744	'ZNF419'	6.35	5.39	2.88	5.57	10.26	4.93
79745	'CLIP4'	21.61	19.3	15.19	19.73	22.29	23
79746	'ECHDC3'	0.28	0.3	0.26	0.21	0.13	0.26
79748	'LMAN1L'	0.08	0	0	0.06	0	0.14
7975	'MAFK'	21.75	18.19	14.74	16.38	15.29	20.68
79750	'ZNF385D'	0.1	0.04	0.01	0.07	0.07	0.09
79751	'SLC25A22	40.15	28.53	38.39	21.3	21.49	35.71

79752	'ZFAND1'	14.87	15.17	12.68	14.82	24.2	20.13
79753	'SNIP1'	9.17	10.45	6.89	7.32	9.61	11.67
79754	'ASB13'	2.3	2	2.29	1.45	4.72	2.4
79755	'ZNF750'	0.08	0.03	0.12	0.11	0.06	0
79758	'DHRS12'	7.87	9.69	10.7	10.92	11.73	20.5
79759	'ZNF668'	19.24	19.78	15.1	13.66	18.44	17.68
7976	'FZD3'	1.92	1.64	2.08	2.09	3.84	2.46
79760	'GEMIN7'	25.05	35.5	43.05	36.65	71.23	50.72
79762	'C1orf115	0.27	0.24	0.67	0.13	0.28	0.39
79763	'ISOC2'	26.51	32.46	51.72	21.39	22.79	36.21
79767	'ELMO3'	2.73	3.62	3.74	2.83	5.35	3.17
79768	'KATNBL1'	11.16	7.65	11.49	10.66	7.53	9.92
79770	'TXNDC15'	22.61	21.86	21.85	18.22	38.04	23.6
79772	'MCTP1'	1.1	1.09	0.81	0.38	0.55	0.32
79774	'GRTP1'	0.94	0.85	0.29	0.53	0.62	1.25
79776	'ZFHX4'	0	0.01	0	0	0	0
79777	'ACBD4'	6.3	8.16	10	5.12	19.52	13.13
79778	'MICALL2'	0.52	0.44	0.59	0.31	0.8	0.29
7978	'MTERF1'	11.42	8.48	6.79	10.84	15.08	12.52
79780	'CCDC82'	34.94	28.41	28.48	22.17	29.77	29.91
79781	'IQCA1'	0.05	0.04	0.08	0.04	0.07	0.09
79783	'SUGCT'	0	0.2	0.07	0.24	0	0.09
79784	'MYH14'	0	0	0	0	0.01	0
79786	'KLHL36'	8.06	7.5	5.45	7.55	11.37	8.02
79788	'ZNF665'	0.59	0.54	0.44	0.39	0.74	0.71
79789	'CLMN'	0.04	0.2	0.1	0.02	0.01	0.12
7979	'SEM1'	218.21	203.01	281.22	267.94	134.29	188.16
79791	'FBXO31'	17.84	12.89	8.22	13.64	9.61	11.82
79792	'GSDMD'	67.96	69.97	111.28	50.19	84.95	88.39
79794	'SPRING1'	27.37	15.31	15.91	16.63	11.91	17.6
79796	'ALG9'	14.31	13.83	10.95	12.2	9.79	9.09
79797	'ZNF408'	25.68	21.3	16.09	22.6	21.78	21.77
79798	'ARMC5'	45.67	38.41	32.95	21.74	16.43	32.69
79799	'UGT2A3'	0	0	0	0	0	0.04
7980	'TFPI2'	0.18	0	0	0	0	0.06
79800	'CARF'	4	2.8	2.42	1.65	5.25	2.6
79801	'SHCBP1'	17.71	8.23	20.77	6.89	9.97	8.17
79802	'HHIPL2'	1.82	1.06	0.39	0.54	0.94	1.35
79803	'HPS6'	19.72	16.39	14.67	16.86	21.53	18.04
79805	'VASH2'	0.09	0.07	0.07	0.02	0.22	0.11
79807	'GSTCD'	3.93	2.23	3.5	1.73	2.91	3.6
79809	'TTC21B'	10.57	5.6	3.84	5.61	4.38	5.32
79810	'PTCD2'	2.54	2.14	3.58	2.07	1.71	3.83
79811	'SLTM'	94.76	69.93	68.68	71.39	56.59	76.09
79812	'MMRN2'	0.12	0.25	0.09	0.16	0.31	0.43
79813	'EHMT1'	34.71	26.81	28.75	19.93	27.46	36.19
79814	'AGMAT'	0.91	0.98	2.63	0.99	0.52	2
79815	'NIPAL2'	2.62	1.8	1.63	1.44	1.3	2.45
79816	'TLE6'	0.31	0.42	0.46	0.38	1.2	0.3
79817	'MOB3B'	0.08	0.03	0.14	0.09	0.15	0.18
79818	'ZNF552'	5.41	4.91	3.89	5.21	7.15	5.6
79819	'DNAI4'	0	0.03	0.12	0.14	0.52	0.29
7982	'ST7'	18.87	10.83	10.09	11.87	10.23	8.25
79820	'CATSPERE	0.27	0.36	0.33	0.55	1.95	1.56

79823	'CAMKMT'	6.02	5.77	10.61	4.49	6.44	14.7
79825	'EFCC1'	0.25	0	0.19	0.04	0.15	0.11
79827	'CLMP'	0.12	0.09	0	0.1	0.5	0.15
79828	'METTL8'	4.17	1.98	3.75	2.4	4.25	5.18
79829	'NAA40'	17.76	19.02	18.09	10.79	26.68	19.12
79830	'ZMYM1'	2.96	2.72	2.68	2.68	4.73	4.26
79831	'KDM8'	6.77	3.5	4.49	4.15	3.84	5.34
79832	'QSER1'	3.56	2.36	2.08	2.17	2.97	2.13
79833	'GEMIN6'	2.02	1.17	2.81	1.96	3.07	3.21
79834	'PEAK1'	8	4.57	3.58	2.77	7.74	5.95
79836	'LONRF3'	6.43	2.06	0.75	4.91	0.43	2.52
79837	'PIP4K2C'	32.46	22.9	17.25	21.07	17.36	29.65
79838	'TMC5'	0.03	0.03	0.05	0.06	0.11	0.12
79839	'CCDC102E	0.21	0.12	0.19	0.22	0.4	0.32
7984	'ARHGEF5'	6.61	2.56	2.57	3.89	2.48	7.47
79840	'NHEJ1'	5.83	3	5.56	4.43	3.96	4.45
79841	'AGBL2'	0.32	0.99	0.64	0.43	2	1.42
79842	'ZBTB3'	2.05	1.39	1.58	2.23	3.13	2.29
79843	'FAM124B'	0.91	0.92	0.49	0.18	0.12	0.58
79844	'ZDHHC11'	2.41	1.38	1.37	1.02	0.72	2.63
79845	'RNF122'	8.99	10.8	6.97	9.18	11.3	8.52
79846	'CFAP69'	0.25	0	0	0.3	0.05	0.05
79847	'MFSD13A'	6.78	6.82	6.71	5.93	10.23	7.83
79848	'CSPP1'	8.53	3.97	4.38	6.68	3.73	5.1
79849	'PDZD3'	0	0.15	0	0	0.05	0.17
79850	'TLCD3A'	7.14	5.28	5.95	5.44	22.85	2.48
79852	'EPHX3'	0.08	0.12	0.28	0.16	0.06	0.27
79853	'TM4SF20'	0.11	0.17	0.09	0	0.04	0.05
79856	'SNX22'	2.89	2.71	1.6	3.17	2.28	3.62
79858	'NEK11'	0.21	0.08	0.11	0.51	0.85	1.47
79861	'TUBAL3'	0	0	0.19	0	0.07	0
79862	'ZNF669'	7.19	7.3	5.25	7.63	9.43	11.73
79863	'RBFA'	3.75	3.03	6.03	3.39	3.42	4.02
79864	'JHY'	1.97	1.69	2.49	3.11	2.05	4.07
79865	'TREML2'	8.73	3.04	9.87	3.96	1.41	7.96
79866	'BORA'	13.7	10.65	17.73	8.71	11.43	10.29
79867	'TCTN2'	4.13	3.88	2.27	4.51	2.79	2.75
79868	'ALG13'	13.96	15.41	12.18	11.86	20.5	23.05
79869	'CPSF7'	90.23	60.29	55.88	52.59	63.1	65.89
79870	'BAALC'	0.23	0.17	0.07	0.19	0.08	0
79871	'RPAP2'	11.04	7.31	7.53	7.9	10.07	9.83
79872	'CBLL1'	45.6	31.9	25.96	30.61	26.9	39.04
79873	'NUDT18'	6.58	11.26	11.2	8.12	40.14	13.1
79874	'RABEP2'	26.74	22.88	16.2	20.85	13.8	22.05
79875	'THSD4'	0.02	0	0.01	0	0	0
79876	'UBA5'	25.3	18.84	19.01	16.51	22.13	21.48
79877	'DCAKD'	10.31	6.46	7.01	6.1	9.14	8.77
79879	'CCDC134'	7.15	5.36	7.02	2.22	6.66	6.51
7988	'ZNF212'	16.26	13.38	8.99	10.55	10.84	13.26
79882	'ZC3H14'	21.24	15.56	18.81	14.6	19.06	25.34
79883	'PODNL1'	0.17	0.13	0.08	0.09	0.23	0.22
79884	'MAP9'	2.89	1.66	0.9	2.05	1.73	2.05
79885	'HDAC11'	0.78	1.71	0.71	1.13	2.98	2.48
79886	'CAAP1'	16.16	13.61	13.95	11.14	11.48	14.73

79887	'PLBD1'	0.07	0	0.05	0.15	0	0.12
79888	'LPCAT1'	108.01	69.63	96.07	62.38	74.84	87.69
79890	'RIN3'	131.77	99.83	84.35	64	124.91	64.36
79891	'ZNF671'	5.53	7.01	4.86	6.02	9.37	11.61
79892	'MCMBP'	88.32	47.87	70.06	50.04	47.25	53.21
79893	'GGNBP2'	64.72	54.41	54.78	55.38	49.36	66.25
79894	'ZNF672'	26.51	19.54	28.24	16.89	33.41	27.15
79895	'ATP8B4'	53.24	27.74	16.83	20.02	21.59	12.13
79896	'THNSL1'	1.05	1.54	1.69	1.31	1.3	1.19
79897	'RPP21'	122.14	152.92	146.06	130.05	123.34	117.43
79898	'ZNF613'	2.74	2.13	2.92	1.62	4.12	4.99
79899	'PRR5L'	19.05	15.33	9.25	9.82	13.84	6.26
79901	'CYBRD1'	0.92	0.35	0.51	0.15	1.1	0.22
79902	'NUP85'	43.24	31.49	39.99	28.13	23.18	27.92
79903	'NAA60'	49.29	40.22	39.7	26.54	43.76	51.97
79905	'TMC7'	0	0.04	0	0	0	0.03
79906	'MORN1'	0.53	0.32	0.51	0.34	1.33	0.28
79908	'BTNL8'	0	0	0	0	0.09	0
7991	'TUSC3'	0	0	0	0	0	0.06
79912	'PYROXD1'	31.97	35.19	21.6	31.51	16.89	37.32
79913	'ACTR5'	15.28	12.29	9.17	12.33	7.32	11.92
79915	'ATAD5'	12.82	7.99	9.51	6.6	5.87	4.49
79917	'MAGIX'	1.61	1.36	1.33	1.18	1.85	1.71
79918	'SETD6'	7.99	4.51	6.02	6.14	5	4.85
79921	'TCEAL4'	3.41	1.81	2.42	3.38	5.13	8.41
79922	'MRM1'	3.95	3.07	6.98	2.8	3.97	3.69
79923	'NANOG'	0	0.05	0	0.14	0	0
79924	'ADM2'	8.12	1.51	3.03	1.7	5.92	3.54
79925	'SPEF2'	2.5	3.57	0.89	2.43	3.41	4.7
79927	'FAM110D'	0.37	0.4	0.3	0.05	0.11	0.18
79929	'MAP6D1'	2.09	1.39	1.17	2.2	0.87	3.38
7993	'UBXN8'	13.14	7.93	15.26	6.01	6.78	10.99
79930	'DOK3'	5.26	4.12	5.77	1.07	2.06	8.24
79931	'TNIP3'	1.29	1.36	0.29	2.28	0.96	2.75
79932	'KIAA0319	25.72	24.57	16.13	26.13	26.9	34.77
79933	'SYNPO2L'	0.13	0.09	0.05	0.11	0.1	0.18
79934	'COQ8B'	13.41	17.52	17.38	12.62	21.82	21.03
79935	'CCNP'	0.38	0.63	0.12	0.16	0	0.27
79939	'SLC35E1'	30.98	21.39	22.42	19.49	38.07	23.43
7994	'KAT6A'	41.15	18.24	13.42	17.18	20.61	23.01
79943	'ZNF696'	2.99	2.19	2.06	2.58	2.81	3.15
79944	'L2HGDH'	7.11	5.5	6.26	6.03	7.56	7.46
79946	'C10orf95	0.39	0.66	0.94	0.48	0.84	1.54
79947	'DHDDS'	18.3	10.34	13.64	9.53	13.51	21.06
79948	'PLPPR3'	0.97	0.43	0.45	0.56	0.52	0.46
79949	'PLEKHS1'	0.16	0.14	0.02	0.31	0.02	0.32
79953	'SYNDIG1'	0	0	0	0	0.02	0
79954	'NOL10'	33.02	25.88	23.04	19.84	13.81	26.92
79955	'PDZD7'	0.53	0.32	0.17	0.32	1.06	0.39
79956	'ERMP1'	44.9	18.8	17.02	19.86	23.37	18.63
79957	'PAQR6'	6.97	7.36	4.98	3.05	4.4	5.81
79958	'DENND1C'	132.55	135.78	125.19	81.78	144.69	178.03
79959	'CEP76'	9.3	5.31	7.92	4.57	4.27	6.02
79960	'JADE1'	19.47	15.02	13.44	12.8	18.15	13.79

79961	'DENND2D'	88.37	48.4	67.76	67.22	99.24	93.54
79962	'DNAJC22'	0.03	0.1	0	0	0	0
79966	'SCD5'	2.75	2.38	2.68	3.79	10.16	2.79
79968	'WDR76'	17.58	6.22	13.61	8.14	10.02	8.91
79969	'ATAT1'	5.84	5.87	4.85	4.24	9.05	6.56
79971	'WLS'	0.07	0	0.04	0	0	0
79973	'ZNF442'	0.06	0	0.05	0.17	0	0.38
79974	'CPED1'	0	0	0.03	0	0	0.08
79977	'GRHL2'	0.06	0.02	0.02	0.03	0.04	0.03
79979	'TRMT2B'	15.71	9.74	7.84	9.86	7.24	10.48
79980	'DSN1'	22.84	15.29	26.39	15.36	25.32	15.16
79982	'DNAJB14'	25.94	19.97	14.2	16.72	18.41	19.31
79983	'POF1B'	0	0	0.02	0	0	0.14
79989	'TTC26'	2.36	1.47	1.3	1.17	1.64	0.9
79990	'PLEKHH3'	0.41	0.47	1.98	0.12	3.11	2.59
79991	'STN1'	12.33	11.78	13.03	12.91	13.11	21.07
79993	'ELOVL7'	0.22	0.03	0.2	0.07	0	0.15
79998	'ANKRD53'	0.82	1.14	0.45	0.7	1.12	0.65
800	'CALD1'	0.06	0	0.02	0	0	0.19
8000	'PSCA'	0	0	0	0.23	0.13	0.14
80000	'GREB1L'	0.11	0.11	0.09	0.07	0.15	0.13
80003	'PCNX2'	13.98	8.92	4.57	11.52	13.14	9.79
80004	'ESRP2'	0.4	0.77	0.58	0.93	0.74	1.57
80005	'DOCK5'	7.33	4.23	3.13	1.85	1.66	1.94
80006	'TRAPPC13	10.91	7.32	9.9	6.52	5.6	14.69
80007	'C10orf88	7.18	7.3	6.58	6.3	9.33	8.72
80008	'TMEM156'	9.97	9.08	13.89	6.83	14.62	15.78
8001	'GLRA3'	0	0.02	0	0.01	0.1	0.01
80010	'RMI1'	7.49	3.4	7.19	2.39	12.19	4.35
80011	'PSME3IP1	56.04	49.02	56.76	49.71	50.83	63.87
80012	'PHC3'	52.04	16.2	9.13	18.81	13.12	23.7
80013	'MINDY3'	31.58	28.3	26.42	19.18	24.34	28.88
80014	'WWC2'	0.2	0.03	0.16	0.22	0.11	0.16
80017	'DGLUCY'	26.38	24.15	32.45	24.75	34.35	39.79
80018	'NAA25'	10.26	8.49	6.92	7.48	4.47	8.97
80019	'UBTD1'	1.78	2.12	2.78	2.74	5.3	6.33
80020	'FOXRED2'	3.01	1.09	2.89	1.05	4.45	1.98
80021	'TMEM62'	27.25	29.31	22.61	22.26	12.3	31.27
80022	'MYO15B'	8.89	6.3	3.3	1.95	4.62	2.38
80023	'NRSN2'	3.18	3.71	3.64	1.72	3.11	3.16
80024	'SLC8B1'	9.03	7.91	7.45	6.06	9.35	11.96
80025	'PANK2'	42.06	28.73	43.18	24.36	42.84	45.22
80028	'FBXL18'	3.78	1.95	2.22	1.93	3.8	2.57
80032	'ZNF556'	0.14	0.03	0.01	0	0.03	0.11
80034	'CSRNP3'	0	0.01	0	0	0	0
80039	'FAM106A'	0.17	0.04	0	0.12	0.18	0.23
80045	'GPR157'	0.49	0.38	0.46	0.49	1.08	1.42
80055	'PGAP1'	6.36	4.22	2.59	3.78	4.32	6.17
80059	'LRRTM4'	0	0	0	0.05	0	0
80063	'ATF7IP2'	1.92	3.73	4.01	4.46	3.78	12.58
80067	'DCAF17'	12.01	7.06	5.12	6.49	5.41	7.7
80071	'CCDC15'	2.28	0.81	1.27	0.93	3.94	1.47
80086	'TUBA4B'	0	0.32	0.31	0	0.08	0.46
80095	'ZNF606'	0.64	0.62	0.6	0.47	1.47	0.66

80097	'MZT2B'	476.93	737.66	586.81	554.36	570.6	438.73
801	'CALM1'	329.88	272.01	347.61	256.87	193.74	349.35
80108	'ZFP2'	0	0.08	0.16	0.27	0.3	0.24
80110	'ZNF614'	5.55	4.08	4.04	3.18	5.82	5.94
80114	'BICC1'	0.12	0	0.05	0	0	0.02
80115	'BAIAP2L2	1.19	1.13	0.48	0.65	1.29	1.3
80119	'PIF1'	9.81	6.7	10.95	6.14	11.11	5.79
80122	'MAP3K19'	0	0	0	0.02	0	0
80124	'VCPIP1'	17.31	11	7	10.72	14.02	13.24
80125	'CCDC33'	0	0.05	0	0	0	0
80127	'BBOF1'	0.96	1.08	0.44	1.48	2.03	0.98
80128	'TRIM46'	7.06	7.99	7.33	6.14	9.03	13.81
80129	'CCDC170'	0	0	0.02	0	0	0.02
8013	'NR4A3'	3.17	2.19	6.17	1.94	5.33	5.77
80131	'LRRC8E'	0.11	0.08	0.06	0.03	0.05	0.06
80135	'RPF1'	56.23	59.74	61.96	57.67	43.82	71.34
80139	'ZNF703'	1.42	2.01	0.95	1.27	0.36	1.08
80142	'PTGES2'	48.17	38.16	52.44	38.01	35.95	65.15
80143	'SIKE1'	11.85	8.52	8.9	7.52	11.29	9.57
80144	'FRAS1'	0.02	0.01	0.02	0.02	0	0.01
80145	'THOC7'	82.56	77.8	125.96	83.35	89.71	109.5
80146	'UXS1'	77.22	67.8	65.18	50.25	66.26	62.5
80148	'SLC66A2'	17.36	18.59	23.34	13.22	32.39	22.42
80149	'ZC3H12A'	117.56	118.83	61.72	86.63	30.32	106.44
80150	'ASRGL1'	1.51	1.77	10.77	1.46	4.9	2.52
80152	'CENPT'	49.03	50.6	44.13	44.46	57.69	63.02
80153	'EDC3'	15.87	14.74	16.01	10.2	19.6	19.69
80155	'NAA15'	20.24	14.21	15.65	16.04	7.53	16
80162	'PGGHG'	82.82	90.07	42.4	42.81	64.52	129.58
80164	'PRR36'	0.03	0.02	0.21	0.08	0.09	0.02
80167	'ABHD18'	15.15	11.06	9.4	10.88	12.15	13.16
80169	'CTC1'	17.13	11.54	13.37	10.8	20.59	22.99
80173	'IFT74'	4.64	2.65	3.61	4.07	2.96	3.38
80174	'DBF4B'	19.72	10.07	16.03	7.08	6.54	9.25
80176	'SPSB1'	5.17	3.42	6.69	2.47	5.21	12.12
80177	'MYCT1'	0	0	0.06	0.04	0	0
80178	'TEDC2'	4.47	3.69	9.97	2.7	5.22	3.97
80179	'MYO19'	40.4	29.16	29.18	22.32	20.07	24.32
80183	'RUBCNL'	0.22	0.05	0.11	0.38	0.09	0.71
80184	'CEP290'	6.9	4.36	2.94	5.29	3.06	4.82
80185	'TTI2'	10.34	8.57	13.88	10.2	11.1	14.98
8019	'BRD3'	16.46	7.44	7.69	8.03	12.78	9.04
80194	'TMEM134'	19.68	33.21	24.16	30.21	48.23	37.26
80195	'TMEM254'	12.29	11.43	10.06	11.05	16.61	14.54
80196	'RNF34'	58.8	36.26	45.61	34.51	48.21	52.35
80198	'MUS81'	35.63	32.38	38.25	24.99	33.93	38.28
80199	'FUZ'	7.12	6.68	9.85	7.4	21.66	11.44
80201	'HKDC1'	0.73	0.43	1.16	2.09	3.85	2.04
80204	'FBXO11'	30.67	23.16	17.13	23.41	21.65	29.28
80205	'CHD9'	9.1	5.91	4.27	3.69	7.93	7.07
80206	'FHOD3'	0.06	0	0.01	0.02	0.04	0.02
80207	'OPA3'	15.7	8.28	10.12	8.97	6.44	10.81
80208	'SPG11'	19.24	13.57	13.18	11.34	19.33	21.48
80209	'PROSER1'	48.48	29.48	26.59	22.42	21.62	29.28

8021	'NUP214'	27.89	18.65	17.31	15.2	20.9	19.53
80210	'ARMC9'	2.02	1.44	1.19	0.96	1.9	1.14
80212	'CCDC92'	38.57	38.08	37.02	38.89	62.56	57.86
80213	'TM2D3'	27.21	22.9	25.74	38.15	34.97	33.76
80216	'ALPK1'	1.53	1.22	1.95	2.19	2	2.25
80217	'CFAP43'	0	0	0	0	0.04	0.17
80218	'NAA50'	38.88	28.23	36.49	28.57	30.23	45.05
80219	'COQ10B'	26.99	27.53	23.22	24.61	16.03	35.28
8022	'LHX3'	0.36	0.18	0.05	0.17	0.04	0.48
80221	'ACSF2'	9.38	13.44	12.84	6.14	16.1	10.04
80222	'TARS2'	17.12	13.98	22.7	10.47	16.64	21.01
80223	'RAB11FIF	46.26	31.76	35.9	28.75	26.85	74.45
80224	'NUBPL'	3.31	2.24	2.15	2.1	1.71	2.25
80227	'PAAF1'	7	8.96	14.77	7.37	21.91	13.15
80228	'ORAI2'	17.37	11.09	14.18	6.95	7.39	15.43
80230	'RUFY1'	36.91	28.03	50.36	28.19	35.9	47.52
80231	'CXorf21'	2.54	1.51	3.15	1.13	4.86	6.34
80232	'WDR26'	54.58	51.03	28.61	38.44	58.12	49.4
80233	'FAAP100'	18.41	11.7	19.02	9.03	14.34	18.95
80235	'PIGZ'	1.91	1.94	1.1	0.5	5.18	1.34
80237	'ELL3'	0.08	0	0.12	0.11	0.06	0.63
80243	'PREX2'	0	0	0.01	0	0	0
80254	'CEP63'	27.4	18.1	19.51	17.07	14.76	20.36
80255	'SLC35F5'	10.84	6.62	5.58	6.44	7.57	6.85
80256	'FAM214B'	15.96	16.59	21.84	14.33	20.1	29.09
80258	'EFHC2'	0.12	0.3	0.29	0.25	0	0.03
80262	'C16orf70	19.1	15.71	12.67	13.49	14.28	16.46
80263	'TRIM45'	0.23	0.49	0.28	0.2	0.97	0.47
80264	'ZNF430'	12.69	10.09	7.01	9.95	13.64	9.42
80267	'EDEM3'	16.93	9.72	7.53	8.28	17.9	12.5
8027	'STAM'	40.02	34.45	22.16	21.49	25.3	28.42
80270	'HSD3B7'	5.69	5.88	4.79	1.7	5.91	9.57
80271	'ITPKC'	2.92	2.86	2.62	3.48	8.18	5.35
80273	'GRPEL1'	23.11	21.55	30.15	21.49	13.31	23.74
80274	'SCUBE1'	0.06	0.06	0.27	0.04	0.06	0.19
80279	'CDK5RAP3	83.96	93.95	85.73	79.25	114.3	107.32
8028	'MLLT10'	26.39	19.14	20.38	21.53	20.94	30.28
8029	'CUBN'	0.47	0.17	0.17	0.29	1.67	0.81
80298	'MTERF2'	6.35	8.99	7.09	8.69	12.23	12.07
8030	'CCDC6'	37.59	21.21	14.43	19.9	15.01	19.71
80301	'PLEKHO2'	35.36	17.12	22.35	21.38	35.09	30.64
80303	'EFHD1'	1.02	0.2	0.81	1.18	1.44	0.31
80304	'WDCP'	4.44	2.7	3.23	3.74	7.74	3.17
80305	'TRABD'	137.61	137.52	158.76	94.35	142.41	149.82
80306	'MED28'	5.91	4.45	4.35	5.33	8.4	6.29
80308	'FLAD1'	33.68	29.23	37.47	30.57	20.13	43.79
8031	'NCOA4'	119.94	70.71	98.2	67.39	101.85	115.89
80310	'PDGFD'	5.76	5.64	2.4	5.14	8.52	1.3
80311	'KLHL15'	13.61	8.78	6.91	7.78	6.45	10.24
80312	'TET1'	0.28	0.37	0.38	0.22	0.69	0.52
80313	'LRRC27'	5.67	10.64	2.54	2.93	10.84	3.41
80314	'EPC1'	64.36	51.98	32.43	48.68	29.72	64.66
80315	'CPEB4'	15.81	8.83	5.4	7.55	8.85	13.54
80316	'PPP1R2C'	0	0.17	0	0	1.02	1.34

80317	'ZKSCAN3'	1.08	0.52	0.89	0.44	2.39	1.07
80318	'GKAP1'	3.81	4.15	4.15	4.36	4.53	4.29
80319	'CXXC4'	0	0.02	0	0.03	0.23	0
80320	'SP6'	0.2	0.21	0.13	0	0.11	0.09
80321	'CEP70'	7	7.31	7.31	5.01	3.94	4.89
80323	'CCDC68'	0.07	0.02	0.09	0.02	0	0.03
80324	'PUS1'	36.26	36.83	42.42	29.33	14.29	38.05
80325	'ABTB1'	31.24	37.92	23.74	29.37	62.29	45.63
80326	'WNT10A'	0.59	0.13	0.87	0.24	1.23	2.88
80328	'ULBP2'	1.11	2.26	5.25	0.94	2.14	10.15
80329	'ULBP1'	2.76	0.74	2.45	1.1	4.01	4.08
80331	'DNAJC5'	34.55	20.42	23.73	21.31	36.62	30.77
80333	'KCNIP4'	0	0	0	0.08	0	0
80335	'WDR82'	102.85	53.01	58.76	56.62	62.85	74.8
80336	'PABPC1L'	7.32	5.55	6.53	4.26	10.81	6.09
80339	'PNPLA3'	0	0.04	0	0.02	0	0
8034	'SLC25A16	11.96	8.14	8.6	11.79	5.47	11.57
80342	'TRAF3IP3	200.37	198.45	252.11	186.55	239.75	289.64
80344	'DCAF11'	50.41	36.55	43.69	36.32	38.41	52.97
80345	'ZSCAN16'	14.28	14.58	8.78	11.13	14.35	16.63
80346	'REEP4'	81.68	68.85	94.1	47.54	45.06	66.16
80347	'COASY'	63.19	55.13	69.45	39.01	47.48	56.1
80349	'WDR61'	27.74	26.7	42.79	25.17	18.7	31.63
80351	'TNKS2'	49.58	28.94	18.07	31.96	26.96	33.55
80352	'RNF39'	2.56	0.89	1.07	1.01	1.03	1.32
8036	'SHOC2'	36.71	24.31	22.37	26.13	28.57	35.41
8038	'ADAM12'	0.57	0.27	0.1	0.56	0.22	1.57
80380	'PDCD1LG2	0.76	0.36	0.36	0.41	1.02	1.28
80381	'CD276'	0.61	0.11	0.87	0.44	0.03	0.47
8045	'RASSF7'	13.45	19.14	27.61	15.94	68.38	33.75
805	'CALM2'	362.31	298.69	466.98	270.61	240.01	372.96
8050	'PDHX'	17.66	12.23	15.08	11.12	13.6	16.9
8061	'FOSL1'	20.38	17.22	13.95	10.58	11.02	30.49
8065	'CUL5'	17.71	13.84	8.53	12.56	7.33	10.86
80700	'UBXN6'	82.04	96.68	68.82	73.87	101.48	98.04
80704	'SLC19A3'	0	0	0	0.02	0	0.04
80705	'TSGA10'	0.53	0.34	0.2	0.55	2.03	1.84
80709	'AKNA'	247.22	164.73	151.92	128.74	245.04	281.11
80714	'PBX4'	62.21	67.12	46.66	68.77	42.02	99.71
80723	'SLC35G2'	0.4	0.84	0.44	1.18	0.71	1.72
80724	'ACAD10'	4.52	4.39	6.15	3.51	9.6	5.81
80725	'SRCIN1'	0.02	0.04	0	0.05	0.01	0.1
80726	'IQCN'	2.6	2.25	1.03	1.48	0.48	2.4
80727	'TTYH3'	17.45	12.85	13.21	8.19	15.57	11.06
80728	'ARHGAP39	0	0.04	0.04	0.04	0.02	0.05
8073	'PTP4A2'	238.52	159.07	197.33	163.83	167.68	239.47
80736	'SLC44A4'	0	0	0	0.04	0	0.09
80737	'VWA7'	7.08	7.93	5.97	6.5	11.94	12.09
80739	'MPIG6B'	0.06	0.63	0.44	0.04	0.3	0.24
80740	'LY6G6C'	0.19	0.56	0.28	0	0	0
80741	'LY6G5C'	10.17	10.75	4.14	6.93	10.42	12.41
80742	'PRR3'	15.63	12.34	18.07	16.72	13.14	18.71
80745	'THUMPD2'	23.73	40.92	29.23	22.94	19.57	33.73
80746	'TSEN2'	3.26	2.13	3.74	2.48	1.66	3.24

80755	'AARSD1'	19.81	15.23	25.48	14.11	8.22	18
80757	'TMEM121'	0.18	0	1.91	0.45	2.86	1.28
80758	'PRR7'	3.74	5.42	5.32	3.46	11.36	6.77
80759	'KHDC1'	3.49	2.77	3.07	2.75	2.48	2.78
8076	'MFAP5'	0.1	0.04	0.07	0.07	0.11	0.21
80760	'ITIH5'	0.16	0.09	0.06	0.07	0.17	0.25
80762	'NDFIP1'	32.12	28.91	42.14	36.82	53.83	69.72
80763	'SPX'	0.17	0.27	0.17	0.16	0	0.1
80764	'THAP7'	29.37	30.34	46.94	26.34	44	44.99
80765	'STARD5'	0.46	0.49	0.78	0.4	1.21	1.06
80772	'CPTP'	23.83	20.58	31.81	14.57	40.21	25.6
80774	'LIMD2'	434.53	494.45	559.94	446.22	500.42	772.2
80775	'TMEM177'	2.69	2.72	4.42	2.9	4.41	5.35
80776	'B9D2'	9.89	9.06	7.8	17.06	8.61	12.29
80777	'CYB5B'	36.05	27.08	48.62	25.47	28.23	37.42
80778	'ZNF34'	4.42	6	4.26	5.18	6.52	6.34
8078	'USP5'	60.32	42.36	59.25	36.48	34.48	60.82
80781	'COL18A1'	0.92	0.57	1.8	0.99	8.58	1.51
80789	'INTS5'	14.82	8.61	10.94	10	27.75	12.36
8079	'MLF2'	233.32	228.11	244.29	207.87	170.55	260.93
80790	'CMIP'	44.01	35.87	29.14	22.89	48.12	38.59
808	'CALM3'	231.54	197.31	309.89	185.23	289.29	232.06
80816	'ASXL3'	0	0	0	0.01	0	0
80817	'CEP44'	4.27	4.84	3.51	3.28	6.58	3.76
80818	'ZNF436'	4.23	3.36	1.69	3.3	5.26	2.85
8082	'SSPN'	0	0	0.02	0	0	0.1
80820	'EEPD1'	0.96	1.06	2.06	1.28	1.7	2.51
80821	'DDHD1'	16.32	12.39	6.24	9.44	10.96	10.06
80823	'BHLHB9'	0.63	0.76	0.34	0.47	0.78	0.55
80824	'DUSP16'	18.57	9.24	14.2	18.55	25.47	47.4
80829	'ZFP91'	84.72	49.82	39.36	41.65	36.96	48.67
80830	'APOL6'	35.27	18.28	24.4	21.88	24.6	47.21
80832	'APOL4'	13.62	7.02	17.29	5.73	15.26	13.98
80833	'APOL3'	53.56	36.44	70.99	42.69	70.11	123.16
80834	'TAS1R2'	0.1	0	0	0.04	0.04	0
80835	'TAS1R1'	0.05	0.15	0	0.06	0.11	0.08
8085	'KMT2D'	40.29	13.02	8.5	9.09	11.23	16.2
80851	'SH3BP5L'	26.71	16.87	17.02	14.58	18.85	19.33
80852	'GRIP2'	0.14	0.13	0.06	0.07	0.15	0.12
80853	'KDM7A'	11.72	9.62	4.44	9.6	18.28	15.17
80854	'SETD7'	7.84	4.69	5.71	8	9.1	11.39
80856	'LNPK'	7.44	5.85	6.1	5.45	12.39	6.82
8086	'AAAS'	50.41	40.71	63.35	31.27	43.12	58.09
80863	'PRRT1'	0.27	0.53	0.9	0.69	0.9	0.28
80864	'EGFL8'	6.02	11.44	7.52	7.49	7.35	7.46
8087	'FXR1'	71.27	51.94	62.8	50.45	64.87	63.58
8089	'YEATS4'	75.61	50.88	72.58	54.69	38.25	48.28
80895	'ILKAP'	39.06	41.99	41.94	38.67	21.36	42.58
80896	'NPL'	2	1.78	2.07	1.55	3.52	1.95
8091	'HMGA2'	0.18	0	0.16	0.26	0.23	0.13
80975	'TMPRSS5'	0.72	0.67	0.39	0.67	0.48	1.16
8099	'CDK2AP1'	79.34	71.98	107.64	61.37	44.96	80.56
81	'ACTN4'	421.18	234.96	323.6	196.21	308.39	372.74
8100	'IFT88'	4.83	4.42	3.92	4.88	5.08	5.3

81025	'GJA9'	0.23	0.18	0.09	0.16	0.18	0.05
81027	'TUBB1'	1.14	0.71	0.32	0.38	0.48	0.45
81029	'WNT5B'	0.12	0.33	0.5	0.13	1.82	3.34
81030	'ZBP1'	44.14	42.86	32.37	42.1	39.65	83.73
81031	'SLC2A10'	0.07	0.02	0.15	0.02	0	0
81033	'KCNH6'	0.03	0	0	0	0.03	0
81034	'SLC25A32	29.29	19.87	22.18	24.83	13.19	30.15
81035	'COLEC12'	0.3	0.07	0.06	0.14	0.07	0.18
81037	'CLPTM1L'	82.29	58.93	82.59	60.36	57.18	86.3
8106	'PABPN1'	129.42	119.11	126.17	109.08	112.94	124.1
811	'CALR'	772.52	565.91	715.86	531.63	628.56	864.23
8110	'DPF3'	8.74	7.99	7.17	5.55	2.95	4.67
8111	'GPR68'	97.54	85.73	53.77	49	101.15	89.19
8115	'TCL1A'	0.22	0	0.65	1.3	0.09	3.72
8120	'AP3B2'	0	0	0	0	0	0.03
8125	'ANP32A'	155	108.21	219.51	105.23	150.4	171.55
813	'CALU'	31.48	18.62	25.19	15.33	22.9	20.84
8131	'NPRL3'	25.5	16.11	20.19	10.83	21.18	26.92
8139	'GAN'	1.81	1.26	1.16	0.95	1.27	1.33
81392	'OR2AE1'	0	0	0	0	0.26	0.29
81399	'OR4F16'	0.05	0	0	0.02	0.04	0.06
814	'CAMK4'	7.85	4.29	4.33	7.25	13.79	9.76
8140	'SLC7A5'	247.11	61.54	139.7	75.89	77.64	155.02
81466	'OR2L5'	0	0	0.13	0	0	0
8148	'TAF15'	123.21	87.29	148.6	59.61	93.83	106.66
81488	'POLR2M'	19.35	16.48	16.55	17.93	20.96	21.49
81490	'PTDSS2'	15.31	13.76	13.67	9.7	16.88	17.41
81491	'GPR63'	0.53	0.26	0.66	0.29	1.23	0.38
81492	'RSPH6A'	0	0	0	0	0.05	0
81501	'DCSTAMP'	0	0	0	0.39	0	0.06
81502	'HM13'	176.44	134.36	163.56	123.8	225.61	229.18
8153	'RND2'	0.15	0.03	0.04	0.14	0.05	0.1
81532	'MOB2'	40.41	41.57	41.31	44.02	55.09	48.48
81533	'ITFG1'	26.72	19.32	21.91	20.38	19.93	26.46
81537	'SGPP1'	24.83	19.58	19.87	16.13	13.18	21.91
81539	'SLC38A1'	247.71	107.01	79.75	111.44	129.91	93.42
81542	'TMX1'	31.11	21.68	29.56	21.54	32.59	29.41
81543	'LRRC3'	0.32	0.4	0.58	0.37	1.37	1.18
81544	'GDPD5'	18	22	21.58	21.05	22.68	49.3
81545	'FBXO38'	18.88	16.15	10.95	15.21	15.23	15.5
81550	'TDRD3'	11	9.12	11.67	8.4	14.29	14.14
81551	'STMN4'	0.08	0	0.09	0.04	0	0.16
81552	'VOPP1'	115.7	73.33	76.23	55.09	95.45	92.22
81553	'CYRIA'	7.54	6.05	2.59	8.39	7.16	3
81554	'RCC1L'	33.22	24.12	30.59	19.47	22.46	23.45
81555	'YIPF5'	28.94	18.27	21.54	28.52	34.1	35.52
81556	'INTS14'	40.91	34.08	34.6	34.3	26.5	34.86
81557	'MAGED4B'	0.15	0	0	0	0	0
81558	'FAM117A'	101.64	74.19	58.79	111.73	77.7	82.31
81559	'TRIM11'	44.87	39.66	35.74	27.72	36.73	36.63
81562	'LMAN2L'	4.77	4.36	6.72	5.76	8.73	13.93
81563	'C1orf21'	9.99	7.43	6.32	5.25	10.3	3.2
81565	'NDEL1'	52.08	40.79	43.04	44.81	45.46	49.15
81566	'CSRNP2'	10.54	9.31	6.41	7.42	7.27	7.64

81567	'TXNDC5'	77.19	44.01	77.73	28.25	36.95	128.04
81570	'CLPB'	8.07	3.87	9.63	4.98	3.09	8.59
81572	'PDRG1'	17.28	21.14	14.79	21.35	15.61	14.73
81573	'ANKRD13C	34.04	27.22	16.86	25.32	16.2	25.94
81575	'APOLD1'	0.6	0.54	0.81	0.56	3.4	0.86
81576	'CCDC130'	43.82	43.31	29.36	34.73	39.55	44.71
81577	'GFOD2'	11.75	8.16	7.68	8.78	11.61	8.18
81579	'PLA2G12A	3.46	3	3.88	3.12	6.57	5.73
816	'CAMK2B'	0.03	0.02	0	0	0	0.06
81602	'CDADC1'	7.29	9.14	6.48	6.93	6.8	7.23
81603	'TRIM8'	39.78	27.93	32.08	24.03	44.49	52.9
81605	'URM1'	73.07	57.01	65.14	61.67	47.11	59.65
81606	'LBH'	24.57	21.65	25.28	35.33	76.7	46.09
81607	'NECTIN4'	0	0	0.05	0.1	0.71	0.06
81608	'FIP1L1'	36.75	27.87	35.73	25.54	38.24	44.89
81609	'SNX27'	7.29	4.81	2.89	4.5	4.58	4.33
8161	'COIL'	18.29	16.69	14.08	17.97	17.87	19.79
81610	'FAM83D'	17.89	14.97	18.55	10.74	5.8	11.21
81611	'ANP32E'	86.76	56.03	127.07	42.49	75.88	83.63
81614	'NIPA2'	49.46	35.63	41	32.66	26.62	48.01
81615	'TMEM163'	10.53	7.09	16.93	4.06	2.58	0.64
81616	'ACSBG2'	0.06	0	0.04	0.05	0.12	0
81617	'CAB39L'	5.16	4.57	4.82	3.78	7.36	6.43
81618	'ITM2C'	82.15	100.42	148.19	50.86	157.2	111.26
81619	'TSPAN14'	124.7	45.81	74.11	66.17	71.38	84.31
81620	'CDT1'	69.31	38.11	72.1	25.32	106.39	26.12
81621	'KAZALD1'	0.38	0.03	0.24	0.06	0.34	0.42
81622	'UNC93B1'	35.8	42.44	43.16	22.82	33.82	48.23
81624	'DIAPH3'	7.87	2.5	6.99	2.13	2.76	2.58
81627	'TRMT1L'	4.4	2.66	4.81	3.26	10.08	7.52
81628	'TSC22D4'	161.55	135.57	165.46	111.52	230.7	252.4
81629	'TSSK3'	15.83	11.47	3.85	7.27	12.9	10.5
81631	'MAP1LC3B	203.7	159.34	110.46	140.13	168.69	202.49
8165	'AKAP1'	24.92	15.43	17.8	15.39	11.93	13.7
81669	'CCNL2'	87.53	86.8	40.14	79.6	76.42	55.85
81671	'VMP1'	42.24	31.61	43.97	28.81	52.32	60.6
81688	'C6orf62'	135.68	102.81	108.16	109.1	114.2	148.77
81689	'ISCA1'	48.63	53.85	37.42	51.75	61.38	46.89
81691	'REXO5'	4.51	4.54	7.37	2.73	3.64	2.14
81693	'AMN'	0.21	0.41	0.44	0.19	0.57	0.34
817	'CAMK2D'	17.3	11.63	9.06	14.06	14.8	21.36
8170	'SLC14A2'	0.35	0.28	0.42	0.38	0.47	0.49
81704	'DOCK8'	149.21	82.47	100.95	65.81	120	111.98
81706	'PPP1R14C	0	0	0.04	0.13	0.19	0
8174	'MADCAM1'	0	0	0.09	0.16	0.27	0.1
8175	'SF3A2'	160.47	94.58	121.37	65.92	146.23	121.13
8178	'ELL'	22.7	13.45	12.9	14.84	21.35	20.22
81786	'TRIM7'	1.39	2.44	0.67	0.7	0.94	1.62
81788	'NUAK2'	2.69	1.5	0.68	2.9	1.31	2.65
81789	'TIGD6'	0.62	0.87	0.56	0.79	1.77	1.42
81790	'RNF170'	5.3	4.13	5.05	3.87	9.84	8.47
81792	'ADAMTS12	0	0	0	0	0.01	0
81793	'TLR10'	0.08	0.19	0.31	0.13	0.12	0.64
81794	'ADAMTS10	1.55	1.98	0.91	0.56	0.88	0.22

81796	'SLCO5A1'	0.05	0.01	0.07	0.04	0	0.17
81797	'OR12D3'	0	0.06	0	0	0	0
818	'CAMK2G'	19.97	17.62	19.79	13.63	38.09	26.68
81831	'NETO2'	16.7	9.67	22.45	8.03	14.92	17.3
81832	'NETO1'	0	0	0.05	0.02	0	0.03
81839	'VANGL1'	7.84	5.49	6.74	3.19	5.97	3.76
81844	'TRIM56'	20.02	9.78	10.72	12.37	24.97	16.07
81846	'SBF2'	3	2.33	0.83	2.75	4.95	1.72
81847	'RNF146'	21.68	18.94	11.93	18.23	23.64	24.34
81848	'SPRY4'	0.53	0.42	0.79	0.18	0.08	0.59
81849	'ST6GALNA	0	0.02	0	0	0	0
81850	'KRTAP1-3	0	0.12	0	0	0	0
81853	'TMEM14B'	122.42	123.21	146.98	132.29	153.99	129.34
81855	'SFXN3'	40.03	30.7	29.77	32.93	55.45	49.42
81856	'ZNF611'	4.39	1.96	1.86	1.57	3.63	2.68
81857	'MED25'	56.69	43.68	50.27	43.35	55.11	63.91
81858	'SHARPIN'	81.85	86.61	88.13	69.24	78.47	95.45
8187	'ZNF239'	0.2	0.05	0.33	0.25	0.73	0.5
81873	'ARPC5L'	148.3	152.41	107.6	153.14	43.54	99.78
81875	'ISG20L2'	37.87	23.53	30.14	24.65	25.04	33.63
81876	'RAB1B'	404.7	308.21	334.65	279.54	228.64	360.48
81887	'LAS1L'	28.04	21.47	32.01	16.35	18.09	25.91
81888	'HYI'	10.03	8.25	5.99	9.94	5.03	11.15
81889	'FAHD1'	13.96	11.08	12.98	12.6	9.36	15.57
8189	'SYMPK'	53.1	34.62	44.47	25.05	36.45	47.25
81890	'QTRT1'	19.52	15.53	18.13	13.62	13.24	17.39
81892	'SLIRP'	182.95	193.69	428.16	182.41	97.9	250.83
81894	'SLC25A28	46.72	53.39	50.36	52.65	41.79	65.62
819	'CAMLG'	23.84	24.61	24.29	28.65	30.52	26.8
8190	'MIA'	0	0.39	0	0	0.8	0
8192	'CLPP'	55.78	55.24	76.9	45.69	49.78	73.79
81926	'ABHD17A'	224.95	244.56	214.99	209.16	271.53	272.6
81928	'CABLES2'	23.42	15.87	17.23	12.43	17.13	15.59
81929	'SEH1L'	13.65	9.31	15.4	10.82	6.66	11.7
8193	'DPF1'	0	0.13	0.13	0	0.27	0.11
81930	'KIF18A'	12.4	7.5	13.86	6.35	6.32	7.27
81931	'ZNF93'	2.54	1.96	1.82	1.88	4.96	2.11
81932	'HDHD3'	13.47	16.35	15.85	14.44	10.98	19.51
8195	'MKKS'	6.95	6.28	9.48	7.79	9.6	9.89
820	'CAMP'	0.36	0	0.26	0	0	0.31
8200	'GDF5'	0	0	0	0.04	0.04	0.1
8202	'NCOA3'	36.42	21.23	16.16	20.77	22.04	30
8204	'NRIP1'	9.32	4.26	2.29	2.53	2.68	3.98
8208	'CHAF1B'	24.39	15.38	29.02	13.95	20.01	13.44
8209	'GATD3A'	4.28	3.13	5.56	1.97	35.8	5.71
821	'CANX'	216.18	112.82	129.65	109.07	229.59	149.78
8214	'DGCR6'	5.03	5.67	1.85	0.17	0	0
8216	'LZTR1'	33.74	24.64	20.91	15.46	22.5	42.78
8218	'CLTCL1'	0.3	0.05	0.15	0.29	0.88	0.87
822	'CAPG'	210.39	148.41	275.69	146.36	93.21	175.39
8220	'ESS2'	40.22	46.47	30.23	36.09	24.43	45.49
8224	'SYN3'	0.4	0.19	0.27	0.2	0.15	0.37
8225	'GTPBP6'	47.11	33.94	47.88	57.01	29.98	54.19
8226	'PUDP'	31.83	20.73	17.97	13.77	18.32	28.36

8227	'AKAP17A'	97.14	80.65	55.72	109.81	105.32	98.5
8228	'PNPLA4'	2.79	3.15	2.25	1.49	3.78	2.93
823	'CAPN1'	111.6	89.89	110.83	63.12	102.62	131.62
8233	'ZRSR2'	39.89	49.1	27.7	33.41	24	61.17
8237	'USP11'	38.22	28.88	31.15	26.45	44.69	28.84
8239	'USP9X'	22.91	15.58	13.01	9.73	15.42	21.3
824	'CAPN2'	230.9	168.79	212.21	175.9	186.95	296.12
8241	'RBM10'	49.16	37.89	47.51	27.5	52.81	48.65
8242	'KDM5C'	88.14	46.75	22.77	23.2	39.42	53.39
8243	'SMC1A'	59.81	22.29	31.94	14.35	16.73	29.27
825	'CAPN3'	2.32	3.97	3.65	4.49	7.27	9.78
826	'CAPNS1'	819.56	836.1	921.79	691.83	633.97	902.29
8260	'NAA10'	43.12	43.09	64.66	36.54	29.19	57.88
8263	'F8A1'	100.84	85.51	99.87	86.94	140.96	125.36
8266	'UBL4A'	44.19	27.63	35.66	28.97	28.98	31.68
8269	'TMEM187'	4.64	4.79	11.14	5.5	19.1	14.15
8270	'LAGE3'	31.55	29.18	52.81	29.44	46.37	35.97
8273	'SLC10A3'	50.19	39.05	39.67	37.44	52.26	55.72
8277	'TKTL1'	104.17	72.09	8.16	5.77	32.1	14.79
828	'CAPS'	7.71	7.99	5.47	8.29	6.26	9.85
8284	'KDM5D'	0.11	0	18.17	35.48	31.23	0.12
8287	'USP9Y'	0	0	5.17	14.11	9.83	0.04
8288	'EPX'	0.43	3.99	84.98	2.82	0.04	0.92
8289	'ARID1A'	71.89	40.37	31.76	30.64	36.02	37.07
829	'CAPZA1'	208.5	164.01	270.14	154.13	236	278.11
8291	'DYSF'	0.59	0.2	0.37	0.39	1.07	0.24
8292	'COLQ'	5.54	8.34	3.28	12.67	6.2	16.48
8293	'SERF1A'	4.2	5.87	5.88	9.38	3.86	4.18
8294	'H4C9'	1.71	3.2	1.24	0.59	0.65	0
8295	'TRRAP'	30.11	11.62	11.21	10.03	14.08	17.12
830	'CAPZA2'	17.02	15.4	18.48	14.86	18.5	21.49
8301	'PICALM'	84.67	53.94	84.2	47.02	76.74	93.14
8302	'KLRC4'	13.53	10.81	5.13	13.02	27.44	12.1
8303	'SNN'	2.63	1.47	5.62	2.42	2.31	4.47
831	'CAST'	89.33	55.47	74.52	58.16	104.57	82.39
8310	'ACOX3'	8.58	8.32	6.1	7.13	13.34	9.61
8312	'AXIN1'	43.92	38.57	46.83	34.65	41.49	43.37
8313	'AXIN2'	2.18	3	0.92	1.52	1.07	2.69
8314	'BAP1'	64.9	49.88	48.74	36.92	40.33	57.18
8315	'BRAP'	20.08	15.16	10.91	14.02	13.3	15.45
8317	'CDC7'	27.94	17.55	18.17	13.49	17.66	15.38
8318	'CDC45'	47.83	24.46	62.16	18.95	24.64	17.2
832	'CAPZB'	364.24	306.35	451.67	294.94	340.79	439.88
8320	'EOMES'	63.54	42.21	35.66	54.27	78.29	38.48
8321	'FZD1'	0.11	0.04	0.03	0.04	0.04	0.05
8322	'FZD4'	0.2	0.15	0.09	0.03	0.17	0.09
8323	'FZD6'	10.11	7.56	5.37	5.73	3.5	3.18
8324	'FZD7'	0.88	0.84	0.78	0.37	1.08	0.52
8325	'FZD8'	0.16	0.03	0.03	0.08	0.03	0.11
83259	'PCDH11Y'	0.52	0.33	0.12	0.35	0.22	0.16
8326	'FZD9'	0.11	0.04	0.08	0.04	0.13	0.2
8328	'GFI1B'	0.34	0	0.97	0.06	0	0
8329	'H2AC13'	4.58	1.9	0.84	0.57	0.89	0.96
833	'CARS1'	90.3	45.95	76.46	53.36	77.01	76.7

8330	'H2AC15'	1.01	0.76	0	0.35	1.54	0.87
8331	'H2AC14'	1.08	0.41	2.31	2.06	0.72	2.29
8332	'H2AC16'	4.83	0.81	3.93	1.12	0	0.93
8334	'H2AC6'	11.03	10.37	13.83	8	30.63	33.82
8335	'H2AC4'	0	0.34	1.64	0.31	0.68	0
8336	'H2AC17'	3.15	1.97	3.46	4.01	2	2.72
8337	'H2AC18'	55.37	130.52	104.39	118.11	81.65	226.4
8338	'H2AC20'	11.71	12.62	11.18	9.19	4.96	8.57
8339	'H2BC8'	3.12	1.95	2.28	2.17	0.79	2.25
83394	'PITPNM3'	0.28	0.11	0.09	0.14	0.34	0.33
834	'CASP1'	61.61	74.27	84.52	73.95	48.78	117.87
8340	'H2BC13'	0.62	0.47	2.27	0	0.95	1.07
83401	'ELOVL3'	0.1	0.47	0	0.07	0	0.09
8341	'H2BC15'	3.38	2.22	1.24	2.06	1.62	2.93
83416	'FCRL5'	0.09	0.03	0.69	0.13	0.02	2.99
83417	'FCRL4'	0	0	0	0.03	0	0.05
8342	'H2BC14'	0	1.29	0	0.4	0	0.49
8343	'H2BC7'	2.24	1.26	0.82	0	1.71	0.48
83439	'TCF7L1'	0.29	0.33	0.11	0.14	0.38	0.17
8344	'H2BC6'	1.13	0.85	1.66	0.79	0.43	1.96
83440	'ADPGK'	72.1	60.45	51.64	56.21	64.95	77.17
83442	'SH3BGRL3	3742.5	3739.7	3721.6	3039.67	2719.22	4133.37
83443	'SF3B5'	288.94	334.71	335.13	354.33	307.24	255.67
83444	'INO80B'	42.4	45.67	55.52	37.65	57.86	76.58
83445	'GSG1'	0.52	0.28	0.33	0.64	0.65	0.62
83448	'PUS7L'	4.49	2.91	2.28	2.23	4.17	3.94
83449	'PMFBP1'	0.45	0.2	0.08	0.29	0.12	0.34
8345	'H2BC9'	2.36	2.21	4.3	0.82	2.24	1.02
83450	'DRC3'	0.46	0.28	0.1	0.15	0.36	0.17
83451	'ABHD11'	10.63	12.15	14.57	8.76	8.15	14.44
83452	'RAB33B'	9.12	7	6.7	6.8	8.26	8.67
8346	'H2BC10'	0.54	0.81	0	0	0	0
83460	'EMC6'	122.23	140.34	166.44	170.87	110.78	150.18
83461	'CDCA3'	32.96	18.6	45.04	14.7	21.22	17.88
83463	'MXD3'	30.15	31.75	62.68	23.98	30.18	21.72
83464	'APH1B'	2.73	3.97	3.22	3.71	7.01	6.03
83468	'GLT8D2'	0.19	0.29	0.24	0.09	0.35	0.55
8347	'H2BC4'	3.57	5.36	3.48	5.37	2.72	8.72
83473	'KATNAL2'	0.64	0.63	0.59	0.69	1.09	0.86
83475	'DOHH'	20.22	16.22	17.51	13.99	12.47	15.2
83478	'ARHGAP24	0.05	0.04	0.04	0.02	0	0.27
83479	'DDX59'	30.69	23.46	19.64	21.77	18.84	19.83
8348	'H2BC17'	0	0.86	0.42	0	0.44	0.5
83480	'PUS3'	8.45	8.19	12.39	7.68	18.2	12.46
83481	'EPPK1'	0.02	0.01	0.03	0	0.05	0.04
83482	'SCRT1'	0	0	0	0	0.03	0
83483	'PLVAP'	0	0	0.04	0.04	0	0.1
8349	'H2BC21'	6.17	6.81	7.33	5.87	4.22	15.78
835	'CASP2'	44.69	28.88	30.13	24.04	35.24	26.16
8350	'H3C1'	2.88	2.53	1.76	0.33	0.37	3.32
8351	'H3C4'	4.41	5.89	1.08	2.73	1.5	6.96
8352	'H3C3'	1.58	2.77	3.47	1.46	0.4	2.28
8353	'H3C6'	1.61	0.81	1.18	0	3.69	2.32
83538	'TTC25'	0.65	0.74	0.52	0.82	0.35	0.41

8354	'H3C11'	0.49	0.74	0	1.03	0	0.43
83540	'NUF2'	48.94	29.79	62.65	23.84	13.14	22.33
83541	'FAM110A'	41.66	33.25	35.66	20.95	44.97	25
83543	'AIF1L'	0.08	0.03	0.06	0	0.09	0
83544	'DNAL1'	1.53	1.19	1.38	1.32	1.09	1.52
83546	'RTBDN'	0	0.05	0	0	0	0
83547	'RILP'	5.44	10.52	7.19	6.22	8.71	8.27
83548	'COG3'	27.67	22.08	12.14	16.9	23.06	17.85
83549	'UCK1'	28.42	29.75	32.16	25.06	30.92	28.76
8355	'H3C8'	2.02	1.14	2.59	1.05	0.39	0
83550	'GPR101'	0.02	0	0	0	0	0
8356	'H3C12'	0.95	1.78	1.04	0	0.72	0.82
8357	'H3C10'	1.58	2.37	2.31	0.73	1.61	3.64
8358	'H3C2'	3.32	1.78	0.7	0.66	0.36	0.41
8359	'H4C1'	0	0	0.6	0.57	0	0
83590	'TMUB1'	181.36	167.08	203.16	150.85	214.05	203.54
83591	'THAP2'	0.34	0.3	0.95	0.34	1.32	1.24
83592	'AKR1E2'	0.22	0.28	0.22	0.33	0	0.58
83593	'RASSF5'	258.49	166.14	160.07	151.54	205.56	211.65
83594	'NUDT12'	0.11	0.03	0.25	0.1	0.06	0.1
83595	'SOX7'	0.44	0.21	0.15	0.25	0.09	0.42
83596	'BCL2L12'	34.39	31.91	49.27	22.98	28.99	33.27
836	'CASP3'	59.55	43.7	51.13	36.92	56.72	51.79
8360	'H4C4'	0	1.23	0.6	0.57	1.24	0
83605	'CCM2'	74.53	80.27	84.62	58.31	140.51	129.05
83606	'GUCD1'	45.84	35.31	42.35	24.05	40.78	39.33
83607	'AMMECR1L	26.74	16.68	11.82	14.73	10.69	17.84
83608	'C18orf21	44.67	52.38	44.88	51.89	40.46	63.91
8361	'H4C6'	0.83	0.62	1.81	0	1.89	0
8362	'H4C12'	9.17	0	2.66	2.53	0	4.7
8363	'H4C11'	0	8.79	0	0	3.41	0
83636	'C19orf12	21.18	16.01	21.24	17.59	20.37	25.32
83637	'ZMIZ2'	43.07	28.31	29.51	18.24	37.14	55.65
83638	'C11orf68	28.53	29.45	34.01	28.81	90.21	51.54
83639	'TEX101'	0	0	0.1	0	0	0
8364	'H4C3'	3.25	0.61	4.12	1.12	2.45	2.09
83640	'RAMAC'	36.39	35.23	32.07	29.86	35.51	36.8
83641	'FAM107B'	202.61	108.25	136.04	126.95	114.37	171.26
83642	'SELENOO'	28.51	26.82	17.57	20.52	25.83	24.2
83643	'CCDC3'	0.25	0.03	0.13	0.1	0.14	0.25
83648	'FAM167A'	1.54	1.1	0.85	0.98	1.45	1.25
8365	'H4C8'	3.16	0	0.57	1.09	2.99	2.71
83650	'SLC35G5'	0	0.41	0.16	0.08	0.59	0.28
83657	'DYNLRB2'	0	0	0.24	1.13	1.49	0.28
83658	'DYNLRB1'	372.75	426.74	500.79	397.02	395.24	503.81
8366	'H4C2'	1.82	0	1.32	1.26	0	0
83660	'TLN2'	0.04	0.03	0.05	0.04	0.04	0.03
83666	'PARP9'	28.84	14.09	42.69	62.23	32.6	152.14
83667	'SESN2'	46.14	30.14	30.78	20.97	57.9	33.16
8367	'H4C5'	0	0	0	0.54	0	0.67
8368	'H4C13'	0	0	0	0	0.69	0
83690	'CRISPLD1	9.98	4.02	1.11	1.15	1.46	0.41
83692	'CD99L2'	23.84	17.61	18.52	12.32	15.03	17.21
83693	'HSDL1'	8.37	5.45	6.45	7.04	12.58	8.41

83694	'RPS6KL1'	2.28	2.02	0.8	0.51	0.52	1.59
83695	'RHNO1'	62.21	47.85	60.29	32.97	57.37	53.4
83696	'TRAPPC9'	15.48	8.74	9.25	8.65	7.82	14.72
83697	'SLC4A9'	0.04	0.05	0	0	0.04	0.21
83698	'CALN1'	0.05	0.02	0.02	0	0	0.02
83699	'SH3BGRL2	0.05	0.1	0.1	0.02	0.02	0.02
837	'CASP4'	181.55	198.24	168.59	158.53	195.47	205.28
8370	'H4C14'	9.91	1.29	5.31	2.68	10.73	11.06
83700	'JAM3'	0.75	0.46	0.12	0.58	5.75	0.57
83706	'FERMT3'	158.93	129.63	188.62	105.22	167.54	224.21
83707	'TRPT1'	25.16	41.22	31.17	27.67	75.88	35.31
83714	'NRIP2'	2.78	1.73	0.98	1.62	1.74	1.72
83715	'ESPN'	0.58	0.44	0.38	0.41	0.9	0.93
83716	'CRISPLD2	0.11	0.02	0.04	0.02	0	0.05
83719	'YPEL3'	162.02	303.56	189.98	232.49	769.8	332.08
8372	'HYAL3'	25.99	19.06	22.58	9.79	16.35	17.48
83723	'TLCD3B'	2.27	1.83	2.59	0.77	0.97	0.85
83729	'INHBE'	0.16	0.08	0.12	0.15	0.29	0.19
83732	'RIOK1'	34.22	33.38	32.87	26.65	12.04	33.16
83733	'SLC25A18	0	0.29	0.06	0.39	0.06	0.2
83734	'ATG10'	3.81	3.27	4.82	1.37	3.19	3.41
83737	'ITCH'	27.21	19.21	16.12	16.19	25.02	22.87
83740	'H2AB3'	0	0.43	1.05	2	0	1.82
83742	'MARVELD1	0.28	0.09	1.07	0.17	0.12	0.42
83743	'GRWD1'	11.75	7.49	11.18	6.66	4.17	9.54
83744	'ZNF484'	7.62	3.84	2.92	3.89	3.1	5.94
83746	'L3MBTL2'	21.32	17.97	27.08	17.2	14.85	31.22
83752	'LONP2'	15.9	8.01	8.48	8.63	13.85	15.28
83756	'TAS1R3'	1.39	0.83	0.79	0.8	1.69	0.84
83758	'RBP5'	4.7	1.41	1.41	1.48	1.98	4.19
83759	'RBM4B'	6.37	6.73	10.16	6.94	17.6	7.83
83786	'FRMD8'	16.2	11.93	14.64	13.05	27.06	24.69
83787	'ARMC10'	17.14	12.83	18.86	13.9	19.08	18.13
8379	'MAD1L1'	63.58	55.5	99.84	69.3	166.12	124.83
838	'CASP5'	0	0.63	0	0.43	0.24	0.67
83849	'SYT15'	0.14	0.06	0.27	0.17	0.41	0.29
83850	'ESYT3'	0.02	0.05	0.03	0.01	0.03	0.05
83851	'SYT16'	0	0	0	0.04	0.02	0
83852	'SETDB2'	7.92	4.31	3.95	5.32	3.46	6.28
83853	'ROPN1L'	4.91	8.2	8.9	2.48	5.39	11.51
83854	'ANGPTL6'	0.5	1.12	0.91	0.62	3.47	1.42
83855	'KLF16'	12.96	9.19	12.06	11.05	10.63	15.68
83856	'FSD1L'	3.1	2.04	2.26	1.72	2.23	3.23
83857	'TMTC1'	0	0.01	0	0.01	0	0.04
83858	'ATAD3B'	24.3	16.14	21.37	20.21	7.5	20.96
8386	'OR1D5'	0	0.26	0	0	0	0
83860	'TAF3'	24.92	15.97	14.78	14.56	14.78	18.33
83861	'RSPH3'	0.74	0.51	0.81	0.7	1.71	0.9
83862	'TMEM120A	68.11	87.7	48.69	60.06	77.41	79.77
83871	'RAB34'	27.9	23.58	13.1	9.76	14.11	22.44
83872	'HMCN1'	0.25	0.09	0	0.25	0.07	0.07
83873	'GPR61'	0.05	0.03	0	0	0.14	0.08
83874	'TBC1D10A	34.46	32.68	30.33	26.36	42.07	35.46
83875	'BCO2'	0.37	0.38	0.34	0.68	0.4	0.26

83876	'MRO'	0.07	0.07	0.04	0.05	0.09	0.04
83877	'TM2D2'	10.93	13.73	19.1	15.11	14.51	21.63
83878	'USHBP1'	0	0	0	0	0.03	0
83879	'CDCA7'	26	14.96	33.94	10.77	24.25	7.31
8388	'OR1E2'	0	0	0	0	0.13	0
83881	'MIXL1'	0.07	0	0.05	0.1	0.05	0.42
83882	'TSPAN10'	0	0.13	0.22	0.12	0.86	0.15
83884	'SLC25A2'	0	0	0.08	0.14	0.08	0
83886	'PRSS27'	1.48	2.13	1.1	2.02	1.29	2.32
83887	'TTLL2'	0	0	0	0.3	0	0.54
83888	'FGFBP2'	282.99	611.56	150.07	414.37	736.55	150.07
83890	'SPATA9'	0.07	0.71	0.15	0.33	0	0.25
83891	'SNX25'	18.06	15.15	13.33	12.15	19.57	13.36
83892	'KCTD10'	34.18	24.41	24	19.08	23.66	26.19
839	'CASP6'	11.75	11.5	32.37	6.92	17.6	26.78
83903	'HASPIN'	7.79	3.83	6.92	2.51	4.06	4.68
83930	'STARD3NL	54.5	50.75	49.23	35.25	46.97	37.63
83931	'STK40'	71.7	46.33	61.18	45.73	54.64	60.43
83932	'SPRTN'	10.86	9.37	7.91	9.09	4.72	10.97
83933	'HDAC10'	31.94	38.81	32.69	19.36	39.47	40.58
83937	'RASSF4'	3.33	6.96	3.79	4.09	6.8	2.73
83938	'LRMDA'	0.03	0.42	0.69	0.39	0	0.03
83939	'EIF2A'	85.31	74.41	73.6	49.61	80.69	74.25
8394	'PIP5K1A'	43.34	31.45	28.37	25.5	18.4	34.85
83940	'TATDN1'	17.84	23.63	24.04	26.83	26.69	21.37
83941	'TM2D1'	27.16	26.34	32.9	24.17	24.73	32.62
83943	'IMMP2L'	2.87	4.49	3.24	3.88	3.04	3.41
8395	'PIP5K1B'	0.46	0.23	0.69	0.17	0.08	1.72
83959	'SLC4A11'	0.92	1.32	1.44	0.67	1.68	3.11
8396	'PIP4K2B'	24.45	17.24	20.18	14.12	26.64	25.06
8398	'PLA2G6'	18.58	21.27	16.94	10.9	28.09	21.95
83982	'IFI27L2'	222.26	355.24	271.64	314.37	235.39	298.65
83983	'TSSK6'	2.87	2.67	1.97	3.79	8.5	4.15
83985	'SPNS1'	75.65	55.19	39.96	52.3	40.61	54.39
83986	'FAM234A'	12.44	11.32	19.89	6.93	20.8	18.64
83987	'CCDC8'	0	0	0	0	0	0.03
83988	'NCALD'	28.16	23.29	29.44	14.77	28.64	18.72
83989	'FAM172A'	16.73	6.57	5.97	11.85	10.56	10.42
8399	'PLA2G10'	0	0.24	0	0	0	0
83990	'BRIP1'	12.2	5.97	7.97	4.12	7.58	3.54
83992	'CTTNBP2'	0.06	0.03	0.14	0	0	0.04
83998	'REG4'	4.16	2.22	4.64	0.6	21.26	0.54
83999	'KREMEN1'	0.17	0.21	0.13	0.25	0.14	0.06
840	'CASP7'	18.53	13.01	24.31	13.34	34.06	21.73
84000	'TMPRSS13	0.75	1	1.07	0.67	4.48	1.53
84002	'B3GNT5'	4.68	1.21	1.46	2.69	0.34	1.04
8402	'SLC25A11	48.34	43.09	82.21	27.39	52.15	64.61
84033	'OBSCN'	0.75	0.35	0.39	0.27	0.98	0.79
84034	'EMILIN2'	2.9	2.17	2.59	2.09	1.49	2.96
8404	'SPARCL1'	0	0	0	0	0	0.09
8405	'SPOP'	25.89	19.34	23.24	18.14	32.5	25.25
84056	'KATNAL1'	11.28	6.59	8.34	5.92	6.81	8.05
84057	'MND1'	8.6	10.02	29.92	8.46	19.95	7.61
84058	'WDR54'	60.99	99.11	71.78	59.35	111.92	51.57

84059	'ADGRV1'	0.01	0	0	0	0.01	0
8406	'SRPX'	0	0.11	0	0.21	0.18	0.52
84060	'RBM48'	17.17	13.61	10.38	16.13	13.09	19.4
84061	'MAGT1'	31.36	20.82	22.89	23.58	34.24	32.73
84062	'DTNBP1'	36.03	35.17	37.71	42.72	40.35	50.77
84063	'KIRREL2'	0.1	0.13	0.31	0.33	0.36	0.56
84064	'HDHD2'	12.94	10.9	22.6	10.5	22.02	21.19
84065	'TMEM222'	95.2	88.01	64.93	72.39	55.83	67.35
84067	'FAM160A2	16.75	13.78	8.16	12.11	10.7	12.56
84068	'SLC10A7'	7.98	8.06	6.88	6.57	8.69	10.78
84069	'PLEKHN1'	5.79	8.11	4.68	3.43	6.37	12.67
8407	'TAGLN2'	1100.5	1045.3	1158.4	1138.62	1116.02	683.28
84070	'FAM186B'	0.66	0.04	0.12	0.19	0.16	0.13
84071	'ARMC2'	4.11	3.96	3.66	5.25	2.74	4.34
84072	'HORMAD1'	0.19	0	0	0	0.06	0.38
84073	'MYCBPAP'	0.12	0.16	0.93	0.24	0.35	0.6
84074	'QRICH2'	1.1	1.01	0.7	0.35	0.47	1.97
84077	'C3orf20'	3.45	2.27	1.12	1.6	1.61	2.34
84078	'KBTBD7'	2.96	2.06	1.6	2.19	5.42	1.97
84079	'ANKRD27'	15.61	10.53	15.47	10.92	22.73	17.49
8408	'ULK1'	28.37	19.17	12.39	14.06	20.03	25.77
84080	'ENKD1'	3.16	2.87	4.2	3.36	5.35	3.82
84081	'NSRP1'	23.59	16.67	20.86	19.35	18.95	29.73
84083	'ZRANB3'	0.62	0.28	0.85	0.41	0.58	0.78
84084	'RAB6C'	0.08	0.03	0	0	0	0.04
84085	'FBXO30'	13.71	7.69	4.1	7.7	7.92	9.3
8409	'UXT'	248.53	333.95	297.09	261.58	276.66	229.38
841	'CASP8'	484.26	336.94	145.44	293.65	274.87	258.55
84100	'ARL6'	1.92	1.36	1.62	1.45	2.13	1.71
84101	'USP44'	1.64	2.05	0.31	0.51	0.53	1.04
84102	'SLC41A2'	2.8	2.06	1.57	1.29	4.38	2.39
84105	'PCBD2'	4.47	3.09	3.29	3.57	3.63	4.32
84106	'PRAM1'	1.91	1	2.04	0.42	0.29	1.03
84108	'PCGF6'	11.38	14.13	12.8	10.84	9.69	9.56
84109	'QRFPR'	0.05	0	0.04	0	0.04	0
8411	'EEA1'	5.58	2.89	2.52	3.92	3.03	4.25
8412	'BCAR3'	1.4	0.56	0.52	0.61	0.56	2.23
84124	'ZNF394'	40.51	47.22	43.73	42.26	49.48	68.96
84126	'ATRIP'	11.14	7.13	11.09	8.19	8.64	11.84
84128	'WDR75'	30.16	25.05	18.41	20.58	19.47	23.5
84129	'ACAD11'	10.12	10.99	4.79	10.12	12.85	8.27
84131	'CEP78'	20.01	16.09	20.67	11.7	15.09	14.78
84132	'USP42'	17.69	12.54	8.38	11.01	7.32	15.37
84133	'ZNRF3'	0.28	0.2	0.06	0.11	0.21	0.22
84134	'TOMM40L'	18.84	16.81	19.21	12.56	7.62	21.21
84135	'UTP15'	9.05	6.94	5.93	6.69	2.2	7.98
84138	'SLC7A60S	14.63	11.83	10.63	9.62	16.05	18.83
84140	'FAM161A'	1.38	1.21	1.57	1.28	2.08	1.48
84141	'EVA1A'	0	0	0.06	0	0	0
84142	'ABRAXAS1	4.34	2.87	2.64	2.82	7.25	5.02
84144	'SYDE2'	0.32	0.23	0.19	0.34	0.09	0.45
84146	'ZNF644'	24.33	20.07	16.68	19.38	19.05	25.79
84148	'KAT8'	35.06	31.45	35.75	26.02	30.02	35.77
84152	'PPP1R1B'	0	0	0	0	0	0.2

84153	'RNASEH2C	30.98	29.17	37.74	28.56	42.8	36.14
84154	'RPF2'	8.28	8.05	10.17	12.06	7.19	8.97
84159	'ARID5B'	44.39	28.23	29.97	19.99	29.31	53.61
8416	'ANXA9'	1	1.03	1	0.36	1.23	0.77
84162	'KIAA1109	21.05	12.65	7.21	8.96	14.11	12.91
84163	'GTF2IRD2	5.4	0.85	1.43	3.98	2.58	2.14
84164	'ASCC2'	67.18	55.4	64.04	48.33	54.61	68.17
84166	'NLRC5'	55.45	38.17	33.62	43.55	34.22	79.26
84167	'C19orf44	4.08	2.56	1.28	1.23	2.95	2.08
84168	'ANTXR1'	0.02	0	0.02	0	0.1	0.04
8417	'STX7'	20.12	11.42	18.55	14.3	18.32	21.66
84171	'LOXL4'	0.04	0.05	0.13	0.02	0.17	0.15
84172	'POLR1B'	12.77	10.14	6.98	6.76	4.24	8.19
84173	'ELMOD3'	14.32	14.01	10.5	12.48	13.16	19.21
84174	'SLA2'	91.42	88.83	85.48	77.68	94.1	97.03
84179	'SLC49A3'	6.08	2.95	2.58	1.97	1.89	1.79
84181	'CHD6'	16.5	11.15	5.59	9.24	11.04	10.93
84182	'MINDY4'	0.95	0.87	0.99	0.87	0.78	1
84186	'ZCCHC7'	11.23	9.21	12.12	9.99	14.43	17.63
84187	'TMEM164'	22.76	10.18	7.12	11.11	11.56	10.5
84188	'FAR1'	25.27	19.31	19.6	16.61	12.08	19.41
8419	'BFSP2'	0.2	0.07	0.51	0.07	0.32	0
84190	'METTL25'	4.95	3.78	3.17	5.18	5.25	4.93
84191	'CIAO2A'	112.49	107.47	143.23	112.2	103.94	130.47
84193	'SETD3'	46.8	39.2	58.48	34.93	45.93	53.01
84196	'USP48'	79.59	53.55	57.69	42.55	72.95	62.39
84197	'POMK'	2.08	0.77	0.42	0.95	0.66	0.85
842	'CASP9'	15.93	11.61	21.03	10.75	21.56	20.23
84206	'MEX3B'	1.35	0.71	1.23	0.39	0.64	1.15
84210	'ANKRD20A	1.39	0.88	0.46	1.09	0.56	1.49
84215	'ZNF541'	0.04	0.08	0.05	0.09	0.39	0.14
84216	'TMEM117'	1.24	0.79	0.78	1.18	0.45	1.46
84217	'ZMYND12'	0.09	0.14	0.07	0	0.94	0.23
84218	'TBC1D3F'	0.09	0	0	0	0	0
84219	'WDR24'	11.46	8.87	9.23	5.83	12.5	10.29
84220	'RGPD5'	3.23	3.31	1.44	5.54	2.24	5.28
84221	'SPATC1L'	8.14	7.83	10.02	9.14	14.75	7.87
84223	'IQCG'	3.01	3.57	3.06	5.78	8.11	9.15
84224	'NBPF3'	6	4.15	7.16	8.6	11.98	5.65
84225	'ZMYND15'	0	0	0	0	0.06	0
84226	'C2orf16'	0.04	0.05	0.15	0.04	0.14	0.1
84229	'DRC7'	0.05	0	0	0.03	0.04	0.04
84230	'LRRC8C'	46.22	37.97	27.04	31.64	27.63	40.63
84231	'TRAF7'	45.12	33.04	43.95	24.37	43.8	43.63
84232	'MAF1'	117.07	124.09	109.02	101.36	114.73	121.45
84233	'TMEM126A	55.99	51.58	65.25	58	30.48	48.64
84236	'RHBDD1'	6.65	4.49	8.25	4.45	6.28	10.53
84239	'ATP13A4'	0.3	0.31	0.28	0.42	0.27	0.23
84240	'ZCCHC9'	19.09	21.24	30.94	20.13	33.49	35.18
84243	'ZDHHC18'	47.69	41.19	33.55	30.13	53.76	51.05
84245	'MRI1'	19.08	19.65	15.72	16.19	33.41	23.81
84246	'MED10'	137.82	142.31	105.42	174.86	81.81	110.14
84247	'RTL6'	7.29	3.96	4.42	5.1	6.73	7.59
84248	'FYTTD1'	30.29	22.84	26.12	18.98	30.81	34.85

84249	'PSD2'	0	0.02	0.02	0.06	0.02	0
8425	'LTBP4'	20.13	24.74	13.57	14.4	22.95	30.39
84250	'SLF1'	11.64	12.85	8.15	8.07	7.88	6.23
84251	'SGIP1'	0.03	0	0.02	0	0	0.03
84253	'GARNL3'	0.23	0.25	0.11	0.32	0.29	0.43
84254	'CAMKK1'	0.99	0.86	2.22	2.03	1.59	0.7
84255	'SLC37A3'	15.66	13.05	10.01	12	12.85	14.25
84256	'FLYWCH1'	35.69	37.34	21.89	19.14	45.94	36.24
84258	'SYT3'	0.15	0	0.12	0.04	0.08	0.09
84259	'DCUN1D5'	24.61	17.18	27.74	16.64	15.77	24.71
84260	'TCHP'	20.48	17.27	24	11.13	14.56	16.66
84261	'FBXW9'	4.55	4.87	4.22	4.62	3.82	4.75
84262	'PSMG3'	33.69	50.41	56.97	49.51	21.06	58.53
84263	'HSDL2'	22.37	16.01	20.66	7.98	25.14	20.99
84264	'HAGHL'	7.1	13.83	11.39	8.17	10.25	11.57
84265	'POLR3GL'	56.22	75.81	91.9	61.55	118.44	95.51
84266	'ALKBH7'	43.6	63.5	47.61	53.14	80.92	51.94
84267	'C9orf64'	8.4	5.03	8.23	4.2	7.64	6.33
84268	'RPAIN'	26.44	29.83	28.63	22.09	26.06	23.95
84269	'CHCHD5'	68.24	89.05	108.05	78.67	72.7	85.14
8427	'ZNF282'	46.46	33.72	34.89	25.2	36.64	38.5
84270	'CARD19'	84.27	94.27	98.65	88.38	141.99	94.98
84271	'POLDIP3'	83.48	49.93	49.27	43.4	45.44	58.97
84272	'YIPF4'	43.1	22.37	27.13	24.39	34.78	30.23
84273	'NOA1'	34.21	31.9	29.76	25.38	45.96	27.9
84274	'COQ5'	14.68	15.68	27.84	14.43	31.05	25.97
84275	'SLC25A33	31.37	30.82	23.71	25.8	8.93	28.36
84276	'NICN1'	7.93	8.72	7.96	5.96	14.18	11
84277	'DNAJC30'	6.36	6.59	10.99	7.67	8.98	14.48
84278	'MFSD14C'	15.63	14.48	5.51	12.68	9.81	9.04
84279	'PRADC1'	22.61	25.29	43	21.04	19.15	28.61
8428	'STK24'	184.08	138.36	152.5	152.2	163.96	223.51
84280	'BTBD10'	15.79	12.28	13.85	10.87	13.5	12.55
84281	'C2orf88'	0.23	0.1	0.29	0.07	0.23	0.32
84282	'RNF135'	11.37	9.93	9.52	13.32	13.59	11.59
84283	'TMEM79'	7.64	4.71	5.6	4.15	8.64	8.34
84284	'NTPCR'	2.11	2.47	3.08	2.76	8.74	4.53
84285	'EIF1AD'	22.88	16.51	17.1	18.01	16.01	20.68
84286	'TMEM175'	23.83	25.4	24.18	17.9	36.69	34.29
84287	'ZDHHC16'	23.11	17.32	35.83	13.56	38.47	43.37
84288	'EFCAB2'	2.01	1.75	1.84	2.28	3.33	3.03
84289	'ING5'	19.73	14.96	11.95	12.13	13.57	12.48
84290	'CAPNS2'	0	0	0.12	0	0	0
84292	'WDR83'	18.8	24.12	27.56	18.87	18.08	28.47
84293	'PRXL2A'	7.06	6.17	9.36	6.75	7.55	7.22
84294	'UTP23'	11.72	10.01	8.77	9.81	12.46	14.85
84295	'PHF6'	15.04	6.24	7.42	5.32	13.63	10.2
84296	'GINS4'	8.01	4.88	11.36	3.02	10.05	4.72
84298	'LLPH'	9.16	7.7	9.36	8.58	7.07	10.37
84299	'MIEN1'	51.31	54.09	61.1	53.89	42.85	63.14
843	'CASP10'	16.86	10.58	12.88	9.23	13.38	13.81
84300	'UQCC2'	25.34	23.98	57.82	27.8	13.37	33.78
84301	'DDI2'	10.3	5.61	4.03	6.37	5.09	6.2
84302	'PGAP4'	0	0	0.05	0	0	0

84303 'CHCHD6'	5.44	6.22	5.13	6.99	4.48	5.46
84304 'NUDT22'	44.04	59.56	76.86	41.47	64.67	69.74
84305 'PYM1'	27.3	30.91	65.14	27.26	54.83	62.38
84306 'PDCD2L'	8.68	7.77	14.96	8.03	3.18	9.79
84307 'ZNF397'	3.2	1.47	1.78	2.36	6.88	3.57
84309 'NUDT16L1	53.68	51.09	39.75	51.76	40.36	51.5
8431 'NR0B2'	0	0	0.1	0	0	0
84310 'C7orf50'	39.65	41.36	46.11	38.57	33.77	32.05
84311 'MRPL45'	45.29	37.62	46.34	37.74	45.93	42.73
84312 'BRMS1L'	4.64	4.18	3.56	3.73	4.34	6.24
84313 'VPS25'	94.38	93.85	122.33	76.76	65.79	93.53
84314 'TMEM107'	7.76	10.14	11.31	6.58	15.82	8.54
84315 'MON1A'	19.55	17.17	18.67	14.27	10.38	18.35
84316 'NAA38'	70.93	102.36	124.1	79.87	68.13	83.2
84317 'CCDC115'	38.11	42.66	32.51	38.35	38.9	39.51
84318 'CCDC77'	8.27	7.14	7.13	5.4	8.22	6.65
84319 'CMSS1'	24.91	17.77	39.86	17.76	6.45	22.68
84320 'ACBD6'	57.19	42.53	46.53	50.94	29.54	48.09
84321 'THOC3'	71.32	54.29	108.19	60.15	92.62	106.5
84324 'SARNP'	85.23	82.78	139.61	87.85	73.22	110.86
84326 'METTL26'	112.29	141.76	201.3	121.05	128.9	148.5
84327 'ZBED3'	0.98	0.44	0.9	0.52	1.32	0.67
84328 'LZIC'	11.31	9.54	12.74	10.26	14.08	13.61
84329 'HVCN1'	24.71	16.67	20.32	23.04	16.58	18.27
8433 'UTF1'	0	0	0	0	0.1	0
84330 'ZNF414'	32.01	31.66	21.43	20.37	19.5	27.14
84331 'MCRIP2'	15.98	25.97	38	27.05	25.16	25.89
84333 'PCGF5'	23.6	13.97	12.96	17.26	24.53	22.18
84334 'COA8'	22.42	27.8	34.78	28.23	35.24	28.38
84335 'AKT1S1'	32.75	31	26.01	24.36	24.11	42.13
84336 'TMEM101'	18.67	18.33	33.51	17.88	33.12	29.12
84337 'ELOF1'	92.94	108.79	117.05	84.24	102.29	113.37
8434 'RECK'	6.81	9.7	8.68	9.93	5.57	7.99
84340 'GFM2'	13.73	11.42	13.57	8.78	11.46	12.35
84342 'COG8'	11.18	8.07	12.02	7.85	18.62	18.08
84343 'HPS3'	24.58	15.47	13.1	15.23	21.97	15.3
8435 'SOAT2'	0.71	0.54	0.44	1.82	1.78	2.16
8436 'CAVIN2'	0	0.03	0.22	0	0	0
84364 'ARFGAP2'	56.63	40.83	48.36	39.11	50.07	54.88
84365 'NIFK'	38.25	35.49	54.39	39.33	27.73	54.61
8437 'RASAL1'	0.07	0.03	0.06	0	0.03	0.85
84376 'HOOK3'	3.74	2.58	2.98	2.19	4.63	4.14
8438 'RAD54L'	12.12	5.32	16.49	5.62	7.09	5.9
8439 'NSMAF'	59.43	36.05	29.32	38.24	33.73	35.06
844 'CASQ1'	0.15	0.06	0.22	0.05	0	0.13
8440 'NCK2'	59.16	50.91	44.42	40.64	58.89	66.45
84417 'ECRG4'	0.27	0.18	0.59	0.84	0	0.42
84418 'CYSTM1'	54.93	50.1	59.03	70.94	76.14	74.22
84419 'C15orf48	5.53	6.37	3.63	12.25	30	4.81
8443 'GNPAT'	32.34	26.54	41.43	26.57	34.24	39.71
84432 'PROK1'	0.31	0	0.15	0	0.08	0.09
84433 'CARD11'	219.82	154.95	129.91	92.2	141.47	180.7
84436 'ZNF528'	0.87	2.06	0.84	1.19	1.44	1.07
84437 'MSANTD4'	11.74	8.22	6.56	8.31	10.04	11.53

84439	'HHIPL1'	0.04	0.09	0	0.13	0.12	0.1
8444	'DYRK3'	1.35	0.83	1.54	1.23	3.1	2.35
84440	'RAB11FIF	11.31	8.41	6.13	9.5	9.61	8.3
84441	'MAML2'	13.71	8.74	4.4	10.34	9.5	16.13
84443	'FRMPD3'	0.18	0.04	0.02	0.06	0.1	0.13
84444	'DOT1L'	43.91	21.8	27.06	13.96	23.5	22.86
84445	'LZTS2'	8.21	9.74	9.4	5.75	21.01	11.39
84446	'BRSK1'	1.29	1.37	1.15	1.45	3.75	2.53
84447	'SYVN1'	56.06	35.33	36.67	30.67	62.55	53.9
84448	'ABLIM2'	0.27	0.16	0.13	0.17	0.4	0.28
84449	'ZNF333'	3.29	2.06	2.04	3.05	3.85	2.96
8445	'DYRK2'	28.12	20.15	9.88	20.67	19.52	18.05
84450	'ZNF512'	9.89	8.94	13.85	7.86	21.03	14.88
84451	'MAP3K21'	2.27	1.29	2.13	0.75	1.78	2.18
84455	'EFCAB7'	5.47	4.11	3.4	4.19	5.22	4.41
84456	'L3MBTL3'	7.02	7.32	8.32	5.62	9.06	15.72
84458	'LCOR'	18.12	11.8	6.88	9.64	8.04	10.64
8446	'DUSP11'	31.35	32.36	32.57	30.29	44.61	47.03
84460	'ZMAT1'	1.7	1.65	2.2	2.29	2.89	3.01
84461	'NEURL4'	9.2	7.59	6	5.6	8.54	8.77
84464	'SLX4'	10.92	6.3	5.56	2.88	6.75	6.74
84465	'MEGF11'	0.08	0.02	0.02	0.06	0.08	0.05
84466	'MEGF10'	0.02	0	0	0.02	0.02	0.01
84467	'FBN3'	0	0.02	0	0	0	0
8447	'DOC2B'	0.08	0.06	0	0	0	0.02
8448	'DOC2A'	0.96	0.52	0.62	0.73	0.75	1.03
8449	'DHX16'	33.93	24	31.41	22.76	30.39	33.32
84498	'FAM120B'	16.08	9	9	9.51	15.62	13.11
8450	'CUL4B'	20.91	13.29	12.52	12.5	18.66	16.99
84501	'SPIRE2'	0.43	0.83	0.5	0.25	0.37	0.82
84502	'JPH4'	0	0.07	0.02	0.02	0.05	0.03
84503	'ZNF527'	2.2	1.41	1.35	1.25	2.02	2.31
84504	'NKX6-2'	0	0.04	0	0	0	0.09
8451	'CUL4A'	57.3	37.41	36.85	38.58	37.72	46.47
84513	'PLPP5'	14.46	15.42	14.92	12.99	40.63	20.74
84514	'GHDC'	25.96	25.53	24.38	18.92	31.89	21.85
84515	'MCM8'	9.62	3.47	13.2	4.09	10.34	7.74
84516	'DCTN5'	18.22	14.22	13.63	13.02	16.61	17.02
84517	'ACTRT3'	0.42	0.32	0.5	0.29	0.07	0.81
84518	'CNFN'	1.31	1.97	0.96	1.52	5.68	0.38
84519	'ACRBP'	0.14	0.11	0.48	0.15	0.89	0.38
8452	'CUL3'	39.8	36.07	32.93	26.92	31.09	31.17
84520	'GON7'	27.42	26.64	39.03	29.66	27.08	29.96
84522	'JAGN1'	35.06	37.24	48.85	37.85	70.42	60.75
84524	'ZC3H8'	11.32	11.38	11.33	9.83	8.84	11.65
84525	'HOPX'	385.55	468.37	390.72	413.38	290.84	344.79
84527	'ZNF559'	3.32	3.28	3.04	4.98	12.71	6.79
84528	'RHOXF2'	0	0	0.03	0.03	0	0
84529	'CDIN1'	6.04	4.11	5.64	3.87	4.09	5.28
8453	'CUL2'	18.05	12.25	13.53	10.81	11.14	17.65
84532	'ACSS1'	56.81	41.51	39.49	42.48	67.53	39.45
8454	'CUL1'	66.7	50.95	60.36	38.71	55.05	65.15
84541	'KBTBD8'	11.8	8.68	6.55	8.75	5.76	11.16
84542	'KIAA1841	1.83	0.85	1.89	0.73	1.95	2.33

84545	'MRPL43'	97.67	122.3	115.77	100.52	134.12	133.54
84547	'PGBD1'	5.63	4.23	2.68	3.37	4.22	3.5
84548	'TMEM185A	23.64	22.5	14.37	15.87	21.9	15.27
84549	'MAK16'	15.69	13.32	14.87	13.17	6.5	16.52
8455	'ATRN'	16.87	12.21	7.57	8.28	10.24	7.31
84552	'PARD6G'	0.16	0.75	0.17	0.46	4.2	0.75
84553	'FAXC'	0.17	0.11	0.07	0.1	0.22	0.21
84557	'MAP1LC3A	8.05	11.14	12.56	6.47	15.91	27.26
84561	'SLC12A8'	1.73	0.73	1.02	0.31	0.23	1.17
84570	'COL25A1'	0.05	0	0	0	0.03	0
84572	'GNPTG'	50.8	54.68	43.07	49.69	74.36	58.36
8458	'TTF2'	8.46	3.79	8.41	3.11	3.65	5.99
8459	'TPST2'	27.81	26.67	32.79	20.73	46.59	42.61
846	'CASR'	3.23	2.67	1.82	1.45	2.43	2.83
8460	'TPST1'	0.89	0.8	1.29	0.6	0.54	0.3
84612	'PARD6B'	1.17	1.1	0.55	0.78	0.9	0.88
84614	'ZBTB37'	3.24	1.22	0.8	1.03	1.83	1.99
84617	'TUBB6'	5.33	3.88	20.66	8.4	2.12	8.57
84619	'ZGPAT'	40.73	41.59	43.06	31.52	43.64	55.28
8462	'KLF11'	40.41	27.03	29.54	15.9	11.1	31.51
84622	'ZNF594'	0.95	0.33	0.25	0.32	1.97	0.59
84623	'KIRREL3'	0	0.03	0	0	0.06	0
84624	'FNDC1'	0	0	0	0	0.03	0
84626	'KRBA1'	4.61	4.6	2.94	2.69	8.31	6.15
84627	'ZNF469'	0.95	0.4	0.43	0.29	0.21	0.28
84628	'NTNG2'	3.78	2.84	2.04	1.53	5.68	4.15
84629	'TNRC18'	38.75	19.46	17.11	12.67	17.96	20.99
8463	'TEAD2'	0.08	0	0.14	0.06	0.4	0.15
84630	'TTBK1'	0.13	0.04	0.03	0	0.16	0.03
84632	'AFAP1L2'	8.04	8.77	3.56	3.44	4.06	2.64
84634	'KISS1R'	0	0.07	0.07	0.06	4.87	0.15
84636	'GPR174'	13.61	9.45	7.15	8.35	11.4	7.71
8464	'SUPT3H'	2.1	1.98	3.17	3.37	3.68	5.2
84640	'USP38'	23.82	13.71	9.7	13.62	10.05	15.22
84641	'MFSD14B'	34.04	24.4	36.97	24.4	22.02	31.5
84645	'C22orf23	2.68	2	1.84	1.03	1.99	1.62
84647	'PLA2G12B	0	0.08	0	0	0.08	0.09
84649	'DGAT2'	0.25	0	1.71	0.13	0.63	1.2
84650	'EBPL'	16.64	22.43	31.53	20.41	16.26	27.59
84656	'GLYR1'	56.88	35.76	40.13	30.55	41.99	50.8
84658	'ADGRE3'	0	0	0.22	0	0	0
84660	'CCDC62'	0.13	0.1	0.08	0.04	0.13	0.12
84661	'DPY30'	59.68	78.38	87.46	73.81	85.7	76.65
84662	'GLIS2'	0.9	0.59	0.51	0.36	6.68	1.19
84665	'MYPN'	0	0	0	0	0.02	0
84667	'HES7'	0.2	0.88	0.55	0.52	2.3	1.08
84668	'FAM126A'	54.89	44.08	46.9	26.78	49.43	45.82
84669	'USP32'	15	9.74	12.33	10	11.25	19.94
8467	'SMARCA5'	37.19	20.23	24.77	23.34	23.95	29.02
84671	'ZNF347'	0.61	0.17	0.32	0.24	0.62	0.64
84674	'CARD6'	3.51	1.27	2.43	1.25	1.41	2.74
84675	'TRIM55'	0	0	0.04	0.06	0.04	0
84678	'KDM2B'	31.22	19.65	18.84	19.52	36.18	25.28
84679	'SLC9A7'	1.21	1.8	3.01	0.61	1.77	1.48

8468	'FKBP6'	0.1	0	0.08	0	0	0
84680	'ACCS'	16.23	20.43	9.7	2.73	3.32	18.49
84681	'HINT2'	73.06	114.67	173.63	95.64	92.27	94.3
84684	'INSM2'	0.09	0.03	0	0.06	0	0
84687	'PPP1R9B'	82.39	67.35	77.89	43.49	74.62	90.04
84688	'C9orf24'	0.09	0.11	0.26	0.25	0.39	0.28
84689	'MS4A14'	0	0	0.03	0.06	0.04	0
84690	'SPATA22'	0	0	0	0	0.72	0.36
84693	'MCEE'	6.58	8.55	9.6	6.31	22.96	15.23
84694	'GJA10'	0.08	0.06	0.19	0	0.46	0.96
84695	'LOXL3'	1.33	0.89	1.01	1	0.57	1.13
84696	'ABHD1'	0.4	0.89	0.63	0.3	0.76	0.36
84698	'CAPS2'	0.48	0.58	0.33	0.19	0.64	0.2
84699	'CREB3L3'	2.12	4.83	6.49	1.67	15.13	10.18
847	'CAT'	44.8	36.16	44.03	31.35	47.34	49.28
8470	'SORBS2'	0	0	0	0.01	0	0
84700	'MYO18B'	0.4	0.52	0.27	0.08	0.23	0.34
84705	'GTPBP3'	10.4	9.3	10.7	6.97	9.05	10.72
84706	'GPT2'	14.21	3.59	12.61	2.05	6.45	3.18
84707	'BEX2'	5.56	2.55	4.52	8.73	7.41	10.73
84708	'LNX1'	0.39	0.46	0.21	0.34	0.32	0.26
84709	'MGARP'	0	0	0.18	0.17	0.29	0.86
84717	'HDGFL2'	26.91	23.41	31.03	19.58	43.34	41.73
84720	'PIGO'	23.76	11.47	13.72	9.49	12.49	18.01
84722	'PSRC1'	11.76	9.37	12.68	7.05	4.91	6.76
84725	'PLEKHA8'	4.58	3.04	3.76	3.2	11.27	5.02
84726	'PRRC2B'	72.41	43.33	35.11	33.43	53.62	56.01
84727	'SPSB2'	10.67	11.84	10.17	9.85	10.78	18.49
8473	'OGT'	164.75	122.26	73.06	85.02	226.02	111.84
84733	'CBX2'	0.38	0.22	0.86	0.11	2.13	0.47
84734	'FAM167B'	0.52	0.65	0.64	0.6	2	0.6
84735	'CNDP1'	0	0	0	0.1	0.02	0.18
84747	'UNC119B'	13.55	11.13	10.73	9.81	17.81	8.15
84749	'USP30'	6.09	6.57	3.6	6.22	6.79	5.04
84750	'FUT10'	2.3	1.65	1.61	2.66	1.37	3.38
84752	'B3GNT9'	7.22	6.53	12.09	4.31	24.41	25.22
84759	'PCGF1'	47.08	61.93	49.5	59.92	24.91	53.33
8476	'CDC42BPA	2.78	0.62	0.55	0.09	0.17	0.28
84765	'ZNF577'	1.08	1.69	1.52	0.81	1.06	1.72
84766	'CRACR2A'	41.99	15.15	11.97	11.12	21.64	13.49
84767	'TRIM51'	0	0.07	0.13	0	0	0
84769	'MPV17L2'	12.52	13.14	20.04	8.35	5.23	29.23
8477	'GPR65'	11.73	13.41	17.3	9.98	36.21	25.9
84775	'ZNF607'	0.53	0.4	0.28	0.46	0.86	0.63
84787	'KMT5C'	11.17	9.64	11.4	9.56	13.74	11.09
8479	'HIRIP3'	30.66	21.86	44.22	14.45	20.96	19.36
84790	'TUBA1C'	247.72	174.35	360.49	156.4	68.06	193.03
84792	'FAM220A'	9.79	8.29	9.89	10.34	21.12	10.49
84795	'PYROXD2'	5.62	4.71	9.79	3.59	13.33	3.78
84798	'C19orf48	71.6	66.47	99.4	54.35	95.05	55.68
8480	'RAE1'	49.79	43.38	43.82	36.59	38.68	38.75
84803	'GPAT3'	27.86	17.75	25.85	24.75	15.64	38.42
84804	'MFSD9'	8.1	7.48	4.03	5.14	8.3	5.56
84807	'NFKBID'	40.45	24.9	20.91	20.51	20.24	24.38

84808	'PERM1'	0.15	0.1	0.04	0.07	0	0.33
8481	'OFD1'	27.42	30.09	14	20.05	24.71	30.93
84811	'BUD13'	28	24.74	28.96	24.1	21.34	23.45
84812	'PLCD4'	0	0.11	0.05	0	0.08	0.09
84814	'PLPP7'	0.13	0.25	0.12	0	0	0.06
84816	'RTN4IP1'	3.99	2.49	6.1	2.52	1.64	3.75
84817	'TXNDC17'	8.62	7.89	16.43	7.52	10.04	12.38
84818	'IL17RC'	1.08	1.01	1.24	0.55	0.35	1.7
8482	'SEMA7A'	7.81	4.88	8.37	3.88	6.41	10.18
84823	'LMNB2'	50.73	24.27	50.21	19.92	25.3	24.61
84824	'FCRLA'	0.1	0.13	1.25	0.51	0.11	2.59
84826	'SFT2D3'	1.37	0	0	0	1.95	1.14
8483	'CILP'	0.49	0.3	0.19	0.45	0.15	0.58
84830	'ADTRP'	0.48	0.02	0.7	1.02	0.35	3.33
84833	'ATP5MD'	394.08	417.13	517.51	391.84	298.57	441.95
84836	'ABHD14B'	50.01	62.44	44.23	56.32	103.7	60.2
84838	'ZNF496'	20.74	14.34	9.6	7.7	9.49	7.87
84839	'RAX2'	0.06	0.05	0	0	0	0
8484	'GALR3'	0	0.2	0.2	0	0	0
84842	'HPDL'	3.86	2.17	7.42	1.52	1.63	3.72
84844	'PHF5A'	103.18	91.91	129.27	102.18	58.72	88.03
84851	'TRIM52'	17.97	11.72	8.36	11.35	22.14	13.5
84858	'ZNF503'	0.16	0.03	0.27	0.03	0.19	0.14
84859	'LRCH3'	17.76	9.22	7.65	9.29	15.99	13.41
84861	'KLHL22'	9.72	8.76	11.56	5.2	19.7	16.54
84864	'RIOX2'	16.96	12.14	25.89	9.26	15.06	21.8
84865	'CCDC142'	6.24	3.69	2.8	3.91	4.78	5.61
84866	'TMEM25'	5.09	5.17	3.93	3.21	6.12	5.07
84868	'HAVCR2'	304.26	156.16	103.6	126.16	129.24	105.32
84869	'CBR4'	3.51	5.43	6.26	3.43	8.75	6.79
8487	'GEMIN2'	6.48	6.38	10.5	6.01	6.86	8.9
84871	'AGBL4'	0	0.04	0	0	0	0
84872	'ZC3H10'	1.92	0.94	1.01	1.2	2.01	1.39
84874	'ZNF514'	2.25	1.87	2.12	1.59	5.08	2.51
84875	'PARP10'	23.11	26.94	40.51	28.6	43.91	89.75
84876	'ORAI1'	165.41	122.41	158.32	108.56	195.32	182.62
84878	'ZBTB45'	13.83	8.52	13.11	7.18	19.55	18.11
84879	'MFSD2A'	2.83	2.63	3.8	2.58	0.61	3.25
84881	'RPUSD4'	23.31	21.03	16.98	20.64	15.9	14.92
84883	'AIFM2'	20.56	11.65	14.62	10.29	10.72	12.33
84885	'ZDHHC12'	81.13	74.54	150.6	74.49	121.54	112.39
84886	'C1orf198	1.88	1.26	0.84	0.93	0.62	0.98
84888	'SPPL2A'	90.48	46.6	50.68	52.1	46.28	63.32
84889	'SLC7A3'	0.06	0.09	0.04	0	0	0
84890	'ADO'	17.47	12.74	15	13.51	15.07	21.9
84891	'ZSCAN10'	0.2	0.21	0.25	0.25	0.13	0.13
84892	'POMGNT2'	8.52	9.25	8.45	6.51	12.55	8.14
84893	'FBH1'	22.43	21.79	27.98	19.03	33.82	40.53
84895	'MIGA2'	21.6	18.47	13.87	12.38	13.64	22.45
84896	'ATAD1'	31.38	18.82	20.66	19.57	18.69	24.01
84897	'TBRG1'	31.84	25.51	19.57	26.94	26.06	31.93
84898	'PLXDC2'	0.04	0.04	0.17	0.13	0.02	0.03
84899	'TMTC4'	5.32	5.11	5.58	4.83	9.44	11.03
8490	'RGS5'	0.2	0.25	0.25	0.18	0.53	0.55

84900	'RNFT2'	0.62	0.64	0.8	0.34	0.58	0.51
84901	'NFATC2IF	53.81	34.99	34.8	26.63	39.3	45.63
84902	'CEP89'	3.7	2.64	4.36	2.81	2.34	3.54
84904	'ARHGEF39	6.28	6.3	11.99	4.73	7.39	6.02
84905	'ZNF341'	4.5	2.67	3.67	3.19	3.66	6.06
84908	'FAM136A'	55.96	65.09	55.98	49.71	39.79	54.39
84909	'AOPEP'	1.33	0.96	1.79	0.85	1.26	1.58
8491	'MAP4K3'	9.32	6.32	3.26	5.32	2.75	6.57
84910	'TMEM87B'	13.01	10.86	11.39	12.21	15.2	20.23
84911	'ZNF382'	0.13	0.34	0.32	0.18	0.68	0.65
84912	'SLC35B4'	11.51	8.44	7.29	6.87	6.6	8.37
84913	'ATOH8'	0.15	0.33	0.98	0.03	1.27	0.93
84914	'ZNF587'	7.33	3.16	2.79	2.9	4.79	4.86
84915	'FAM222A'	2.91	1.16	0.99	1.71	0.78	1.26
84916	'UTP4'	42.58	36.12	46.7	26.13	21.29	36.83
84918	'LRP11'	0.66	0.4	1.23	0.69	2.13	1.49
84919	'PPP1R15B	84.82	42.92	32.04	46.38	32.89	49.76
8492	'PRSS12'	0.16	0.12	0.02	0.02	0	0.07
84920	'ALG10'	5.88	2.65	3.69	2.53	4.57	3.08
84922	'FIZ1'	12.83	9.23	11.89	7.53	8.66	12.56
84923	'FAM104A'	50.12	43	48.81	39.01	80.38	70.79
84924	'ZNF566'	1.98	1.79	1.06	1.37	2.01	1.14
84925	'SLC49A4'	3.3	2.16	1.23	2.73	1.86	2.6
84926	'SPRYD3'	26.36	17.22	26.87	21.53	30.24	33.31
84928	'TMEM209'	20.88	15.35	17.67	12.58	18.31	15.34
84929	'FIBCD1'	0	0	0	0.03	0	0.04
8493	'PPM1D'	12.7	11.04	9.91	9.1	22.61	12.4
84930	'MASTL'	23.15	15.05	20.07	14.22	14.31	23.33
84932	'RAB2B'	30.67	29.88	19.2	21.2	18.65	24.79
84933	'C8orf76'	22.89	24.2	22.11	18.45	22.82	21.59
84934	'RITA1'	22.9	24.82	26.32	14.26	30.19	22.97
84935	'MEDAG'	0.06	0.04	0	0.16	0.15	0.41
84936	'ZFYVE19'	20.83	24.2	17.3	23.01	29.76	22.88
84937	'ZNRF1'	10.53	5.63	6.27	6.84	5.64	18.14
84938	'ATG4C'	2.9	3.21	7.11	3.74	10.39	8.53
84939	'PWWP3A'	18.88	17.28	19.3	10.22	19.4	24.47
84940	'CORO6'	1.71	3.39	2.88	1.74	3.86	3.38
84941	'HSH2D'	207.62	245.95	200.49	144.87	128.46	228.66
84942	'WDR73'	6.58	4.73	5.02	5.59	5.41	6.7
84944	'MAEL'	0	0.19	0.06	0.18	0.13	0.14
84945	'ABHD13'	14.07	11.6	8.37	12.41	10.42	14.88
84946	'LTV1'	37.92	37.99	36.93	35.87	13.2	38.5
84947	'SERAC1'	6.38	4.67	2.81	3.49	4.05	4.19
84948	'TIGD5'	4.67	2.88	2.94	3.01	3.75	3.76
8495	'PPFIBP2'	1.4	1.55	1.84	0.4	0.45	1.15
84950	'PRPF38A'	39.31	29.75	35.89	25.92	30.72	35.81
84951	'TNS4'	0.61	0.82	1.54	1.02	2.63	1.68
84952	'CGNL1'	0	0	0.01	0.01	0	0.01
84953	'MICALCL'	1.1	1.42	0.33	1.06	0.37	1.72
84954	'MPND'	15.98	14.94	20	11.19	15.46	17.33
84955	'NUDCD1'	6.88	3.65	8.56	4.33	4.73	6.26
84957	'RELT'	27.17	19.66	18.67	14.12	16.49	20.46
84958	'SYTL1'	69.06	78.86	72.27	48.22	89.68	94.91
84959	'UBASH3B'	23.19	8.75	19.35	6.54	10.02	8.3

8496	'PPFIBP1'	0.53	0.3	0.81	0.26	0.26	0.97
84960	'CCDC183'	0.65	0.86	0.48	0.28	1.52	0.78
84961	'FBXL20'	5.7	3.45	1.94	4.4	4.83	4.37
84962	'AJUBA'	0.31	0.17	0.23	0.22	0.91	0.68
84964	'ALKBH6'	47.15	64.09	57.31	47.38	67.1	69.73
84967	'LSM10'	60.31	70.6	94.96	72.31	55.67	89.14
84968	'PNMA6A'	0.24	0.09	0.89	0.54	0.79	0.42
84969	'TOX2'	40.79	22.38	25.13	9.07	11	18.64
8497	'PPFIA4'	1.79	4.92	0.25	2.08	34.47	0.1
84971	'ATG4D'	35.31	31.85	23.48	25.95	23.34	28.7
84975	'MFSD5'	28.56	27.81	32.4	28.29	32.64	44.52
84976	'DISP1'	0.2	0.19	0.42	0.26	1.35	1.56
84978	'FRMD5'	0.17	0.07	0.03	0	0.1	0.02
8498	'RANBP3'	74.61	49.05	59.29	45.96	55.26	60.48
84984	'CEP19'	5.19	2	5.21	3.1	8.48	5.92
84985	'FAM83A'	0	0.13	0.13	0.02	0	0.1
84986	'ARHGAP19	17.33	10.24	15.3	8.47	11.95	10.46
84987	'COX14'	95.18	135.73	137.42	129.42	79.3	151.79
84988	'PPP1R16A	9.32	7.83	7.87	9.08	9.42	14.7
8499	'PPFIA2'	0	0	0.02	0.02	0	0
84991	'RBM17'	64.46	54.11	65.83	60.09	52.84	59.12
84992	'PIGY'	23.36	19.74	23.31	23.69	28.64	27.26
84993	'UBL7'	77.87	82.67	108.4	52.63	121.85	101.06
8500	'PPFIA1'	29.17	20.32	13.12	15.93	11.95	19.25
85002	'FAM86B1'	1.79	1.05	2.34	1.63	0.91	1.68
85004	'RERG'	0	0	0	0.08	0.05	0
85007	'PHYKPL'	45.49	37.01	35.16	26.76	48.03	53.13
8501	'SLC43A1'	15.03	11.32	26.79	8.56	31.77	12.6
85012	'TCEAL3'	2.19	3.3	3.25	3.33	7.64	5.6
85013	'TMEM128'	16.99	17.48	20.01	22.69	21.28	20.25
85014	'TMEM141'	42.29	58.51	82.51	28.89	52.61	58.13
85015	'USP45'	5.88	4.27	3.79	3.78	4.7	7.64
85016	'CFAP300'	0	0.05	0.09	0	0	0
85019	'TMEM241'	1.96	1.57	1.91	0.75	1.01	1.18
8502	'PKP4'	10.11	7.24	13.16	5.17	12.2	9.36
85021	'REPS1'	57.25	42.42	34.06	39.85	35.18	44.68
85025	'TMEM60'	19.35	16.08	26	16.24	31.38	27.44
85027	'SMIM3'	72.93	57.43	39.14	50.16	25.38	33.41
8503	'PIK3R3'	4.31	3.07	3.39	2.9	0.62	3.61
8504	'PEX3'	6.95	4.34	7.19	5.55	7.91	5.52
8505	'PARG'	11.92	8.13	8.95	7.16	11.92	10.34
8506	'CNTNAP1'	0.63	0.51	0.68	0.18	0.7	3.8
8507	'ENC1'	0.69	1.02	0.84	1.04	0.82	1.39
8508	'NIPSNAP1	22.5	29.32	34.79	18.02	43.24	35.48
8509	'NDST2'	38.9	22.09	19.71	25.89	26.19	30.47
8510	'MMP23B'	0.72	1.22	0.55	2.06	2.13	1.63
8514	'KCNAB2'	311.3	237.47	205.66	111.93	224.87	206.76
8515	'ITGA10'	0.69	0.49	0.59	0.26	0.86	1.05
8516	'ITGA8'	0	0	0.01	0	0	0.02
8517	'IKBKG'	77.75	70.05	81.17	62.32	68.11	99.11
8518	'ELP1'	18.32	12.36	12.12	10.61	13.32	16.6
8519	'IFITM1'	2608.3	2988	3474.9	3726.45	2658.1	5164.77
8520	'HAT1'	74.74	50.48	96.33	51.56	52.9	57.03
8521	'GCM1'	0.51	0.35	0.14	0.56	0	1.31

8522	'GAS7'	4.06	2.39	2.02	6.28	1.6	1.08
85235	'H2AC12'	3.62	0.91	0.88	0	0.46	0.52
85236	'H2BC12'	75.59	79.19	99.16	92.81	59.12	141.99
8525	'DGKZ'	183.44	134.71	120.62	87.55	122.16	151.77
8526	'DGKE'	12.98	8.91	6.11	7.43	8.54	9.56
8527	'DGKD'	58.16	45.11	27.91	28.6	41.88	45.06
8528	'DDO'	0.07	0	0.25	0	0	0
8529	'CYP4F2'	0	0	0.04	0	0.13	0.05
8530	'CST7'	1588.9	1873.7	1048.1	1628.53	1918.76	1107.47
85300	'ATCAY'	0.03	0.06	0	0.11	0.02	0.06
85301	'COL27A1'	0.02	0.04	0.04	0.12	0.62	0
85302	'FBF1'	3.19	2.99	4.07	2.15	3.94	5.61
8531	'YBX3'	80.21	61.9	136.57	43.35	102.88	64.58
85313	'PPIL4'	16.36	15.15	9.94	14.22	18.65	15.39
85315	'PAQR8'	3.3	2	4.26	2.41	7.96	4.13
8532	'CPZ'	0	0.05	0.09	0	0.44	0.33
85320	'ABCC11'	0.07	0.02	0	0.02	0.02	0.04
85329	'LGALS12'	0	0	0.55	0.12	0	0
8533	'COPS3'	95.09	79.96	108.59	78.95	61.2	74.5
8535	'CBX4'	40.46	46.67	29.35	33.38	34.78	49.68
85358	'SHANK3'	0	0	0	0	0.01	0.01
85359	'DGCR6L'	63.82	83.29	89.18	74.32	102.7	94.59
8536	'CAMK1'	19.85	25.85	28.08	9.86	25.07	11.25
85360	'SYDE1'	0.04	0	0.03	0.03	0	0
85363	'TRIM5'	6.99	5.18	9.55	7.56	18.59	15.87
85364	'ZCCHC3'	26.82	21.48	22.4	18.02	22.12	21.97
85365	'ALG2'	22.26	14.43	20.39	15.9	38.72	25.74
85366	'MYLK2'	1.81	1.3	2.25	0.91	0.07	1.51
85369	'STRIP1'	31.58	30.84	20.1	22.01	22.99	29.73
8537	'BCAS1'	0.23	0	0.15	0.09	0.22	0.5
85376	'RIMBP3'	0.19	0.06	0.18	0.08	0.55	0.43
85377	'MICALL1'	30.39	24.74	21.31	14.31	16.64	26.41
85378	'TUBGCP6'	23.33	17.63	14.09	11.55	17.87	24.89
85379	'KIAA1671	1.78	0.91	0.97	1.92	3.88	12.16
8538	'BARX2'	0	0	0	0.06	0	0
8539	'API5'	76.86	45.63	60.3	47.36	52.22	63.88
85395	'FAM207A'	39.95	40.7	72.71	34.19	49.94	63.08
8540	'AGPS'	14.86	11.72	14.11	8.19	9.36	14.5
85403	'EAF1'	27.46	17.18	11.08	19.21	22.52	26.05
85406	'DNAJC14'	16.06	9.85	12.52	9.57	22.97	15.28
85407	'NKD1'	0.14	0.05	0.08	0.21	0.29	0.09
85409	'NKD2'	0.2	0.2	0.37	0	0.34	0.26
8541	'PPFIA3'	1.24	1.82	0.79	1.24	3.14	2.85
85413	'SLC22A16	0	0	0.57	0.12	0	0
85414	'SLC45A3'	0.26	0.11	4.37	0.13	0.09	0.59
85415	'RHPN2'	0.15	0.03	0.27	0.1	0.43	0.06
85417	'CCNB3'	0.88	0.48	0.3	0.43	0.79	0.66
8542	'APOL1'	18.05	12.6	26.26	17.43	29.88	34.26
8543	'LMO4'	21.52	16.59	18.09	11.55	14.77	17.77
85437	'ZCRB1'	54.23	56.29	58.31	65.46	45.39	49.15
85439	'STON2'	0.57	0.24	0.24	1.21	0.04	2.54
8544	'PIR'	15.33	12	37.35	4.16	17.94	16.59
85440	'DOCK7'	1.56	1.45	1.03	1.53	0.57	1.34
85441	'HELZ2'	11.71	7.92	8.8	13.66	14.76	35.34

85442	'KNDC1'	0.34	0.65	0.36	0.99	0.64	0.74
85443	'DCLK3'	0	0	0	0.02	0.02	0.06
85444	'LRRCC1'	5.31	2.64	5.14	1.96	3.61	3.17
85446	'ZFHX2'	0.2	0.05	0.21	0.03	0.33	0.37
8545	'CGGBP1'	84.08	50.09	52.65	54.37	74.39	69.29
85450	'ITPRIP'	27	16.73	18.05	13.45	18.35	16.33
85451	'UNK'	21.82	15.4	14.52	10.53	11.93	19.79
85453	'TSPYL5'	0.53	0.21	1.13	0.28	0.55	0.74
85455	'DISP2'	0.1	0.02	0.1	0.1	1.08	0.25
85456	'TNKS1BP1	3.24	2.57	2.18	1.22	3.73	2.49
85457	'CIPC'	4.17	3.03	2.83	3.99	5.07	3.84
85458	'DIXDC1'	0.37	0.72	0.58	0.16	1.77	0.36
85459	'CEP295'	14.57	6.9	7.02	6.7	8.46	7.74
8546	'AP3B1'	29.81	15.68	20.2	16.81	22.16	24.72
85460	'ZNF518B'	5.08	2.59	2.72	2.41	5.7	6.47
85461	'TANC1'	0.13	0.04	0.15	0.01	0.07	0.08
85462	'FHDC1'	0.08	0.09	0.1	0.07	0.21	0.12
85463	'ZC3H12C'	1.89	0.7	0.43	0.24	0.7	0.64
85464	'SSH2'	45.58	23.3	12.87	27.6	20.74	26.23
85465	'SELENOI'	14.94	9.27	8.48	9.27	3.83	10.74
8547	'FCN3'	0	0	0	0	0	0.13
85474	'LBX2'	1.09	0.9	1.41	0.69	1.99	1.62
85476	'GFM1'	33.18	16.41	22.12	19.5	10.61	21.05
85477	'SCIN'	0.09	0.07	0.11	0.13	0.07	0.27
85478	'CCDC65'	3.08	4.55	3.41	5.43	5.24	7.41
85479	'DNAJC5B'	0.75	0.82	1.24	0.23	0.23	0.64
8548	'BLZF1'	20.35	14.54	19.23	16.02	19.36	25.9
85480	'TSLP'	0	0	0.36	0.04	0.36	0.05
8549	'LGR5'	0	0.02	0	0	0.02	0
8550	'MAPKAPK5	18.39	14.63	14.84	13.95	11.88	15.97
8553	'BHLHE40'	1176.8	1067.3	766.95	656.11	459.12	985.28
8554	'PIAS1'	21.71	15.68	11.83	13.76	20.99	21.12
8555	'CDC14B'	0.74	0.94	0.96	1.16	3.37	1.71
8556	'CDC14A'	42.52	38.94	30.32	36.95	42.15	72.92
8557	'TCAP'	0.68	0.77	0.38	0.47	0.39	0.15
8558	'CDK10'	29.89	36.32	43.41	33.05	34.87	56.52
8559	'PRPF18'	34.5	32.86	31.79	29.92	23.96	38.4
8560	'DEGS1'	76.56	53.86	85.24	73.6	105.17	121.53
8562	'DENR'	26.65	21.26	33.51	21.35	26.98	34.25
8563	'THOC5'	25.59	18.84	25.51	15.16	15.11	24.36
8564	'KMO'	0.22	0	0	0.12	0.09	0.43
8565	'YARS1'	274.35	199.53	221.09	220.95	142.42	164.01
8566	'PDXK'	15.04	11.09	15.14	9.82	18.19	19.7
8567	'MADD'	62.47	49.93	35.96	29.49	47.9	48.74
8568	'RRP1'	36.54	28.4	43.78	26.93	22.91	37.43
8569	'MKNK1'	105.63	102.22	77.39	66.06	84.3	119.05
857	'CAV1'	0.26	0.03	0.16	0.06	0.89	0.63
8570	'KHSRP'	108.51	63.81	102.25	55.25	76.96	73.75
8572	'PDLIM4'	0	0	0.13	0.42	0	0.21
8573	'CASK'	7.97	5	4.88	7.48	5.37	9.37
8574	'AKR7A2'	20.25	17.89	24.41	15.12	41.36	20.18
8575	'PRKRA'	42.95	39.89	36.77	38.04	26.62	40.48
8576	'STK16'	29.54	35.85	38.77	22.53	44.04	44.37
8578	'SCARF1'	2.36	1.59	0.95	1.55	1.34	1.02

858	CAV2	0	0	0.29	0	0.27	0
85865	GTPBP10	3.93	3.69	3.33	3.32	4.54	5.03
859	CAV3	0	0	0.08	0	0	0
86	ACTL6A	37.82	26.04	58.41	20.02	33.92	29.97
860	RUNX2	27.53	17.28	8.54	20.35	15.38	25.18
8600	TNFSF11	2	2.01	5.18	1.35	0.81	1.36
8601	RGS20	0	0.06	0.07	0	0.07	0.08
8602	NOP14	48.25	26.77	39.39	35.9	27.43	46.38
8603	FAM193A	30.15	18.71	15.56	16.63	21.66	24.5
8604	SLC25A12	12.46	8.54	15.9	8	11.91	15.01
8605	PLA2G4C	0.62	0.15	1.94	1.19	3.15	1.22
8607	RUVBL1	27.3	20.09	51.64	21.35	14.9	37.82
8608	RDH16	0.52	0.92	0.33	0.41	0.63	0.91
8609	KLF7	10.2	4.54	2.43	2.14	3.48	7.68
861	RUNX1	18.33	12.91	10.49	12.79	16.29	18.09
8611	PLPP1	18.93	13.2	19.52	8.26	16.32	38.01
8612	PLPP2	0.46	0.88	0.63	0.08	0.09	0.66
8613	PLPP3	0	0	0	0.08	0	0.1
8614	STC2	1.18	0.18	0.95	0.18	8.06	0.18
8615	USO1	32.67	24.87	25.4	18.53	48.2	35.37
862	RUNX1T1	0	0	0	0.01	0	0
8620	NPFF	10.1	11.49	10.24	11.26	11.17	18.24
8621	CDK13	29.72	17.2	12.84	17.43	19.89	21.7
8622	PDE8B	0.23	0.28	0.25	0.07	0.27	0.25
8623	ASMTL	32.1	32.24	39.52	42.07	53.22	41.36
8624	PSMG1	45.35	37.38	88.84	35.43	38.41	47.62
8625	RFXANK	79.24	89.82	107.15	62.5	86.98	100.69
8626	TP63	0.34	0.22	0.23	0.17	0.31	0.58
8629	JRK	6.26	3.06	3.03	3.04	5.13	5.21
863	CBFA2T3	0.71	0.15	0.6	0.08	0.61	1.73
8630	HSD17B6	0.75	0.59	2.17	0.59	2.5	1.31
8631	SKAP1	99.46	114.47	133.38	96.06	245.95	124.72
8632	DNAH17	0.02	0.03	0.01	0.05	0.04	0.02
8633	UNC5C	0	0	0	0	0.01	0.01
8634	RTCA	27.72	28.98	37.97	27.79	37.33	47.03
8635	RNASET2	70.07	121.26	89.44	120.11	201.16	181.39
8636	SSNA1	159.43	159.48	183.46	147.88	109.41	158.9
8637	EIF4EBP3	9.25	11.96	19.4	9.51	21.51	8.11
8638	OASL	29.53	19.87	46.22	42.85	27.84	132.29
8639	AOC3	0.68	0.67	0.09	0.54	0.47	0.53
864	RUNX3	424.71	198.97	233.25	262.81	298.7	284.72
8641	PCDHGB4	0.05	0	0	0	0.04	0
8642	DCHS1	0.33	0.16	0.19	0.23	0.2	0.21
8643	PTCH2	0.34	0.13	0.25	0.36	0.24	0.68
8644	AKR1C3	63.04	54.37	38.91	19.77	13.64	18.01
8645	KCNK5	1.17	1.03	4.06	0.61	1.06	0.89
8647	ABCB11	0.29	0.28	0.18	0.24	0.16	0.29
8648	NCOA1	34.42	22.13	11.16	20.7	18.14	23.35
8649	LAMTOR3	13.56	9.5	11.65	11.01	11.15	12.8
865	CBFB	198.54	135.19	139.59	136.17	211.36	160.5
8650	NUMB	30.19	23.59	24.49	20.91	30.36	33.82
8651	SOCS1	124.5	98.92	159.55	68.46	207.63	190.55
8653	DDX3Y	0	0	51.28	140.57	71.39	0.15
8654	PDE5A	0.22	0.19	0.13	0.26	0.35	0.82

8655	'DYNLL1'	231.71	243.01	476.4	242.09	316.77	429.44
8658	'TNKS'	11.88	8.67	5.24	7.22	8.16	7.7
8659	'ALDH4A1'	1.87	1.47	4.13	0.97	1.57	2.99
8660	'IRS2'	8.92	4.43	5.78	4.14	5	10.39
8661	'EIF3A'	111.58	54.34	63.23	61.15	62.05	77.32
8662	'EIF3B'	130.78	92.12	119.18	94.38	83.33	100.18
8663	'EIF3C'	282.66	121.21	230.57	129.99	124.04	147.81
8664	'EIF3D'	221.21	200.47	224.4	183.95	246.49	191.64
8665	'EIF3F'	78.86	71.4	65.89	60.93	79.19	56.27
8666	'EIF3G'	310.41	356.51	330.51	326.41	290.96	368.1
8667	'EIF3H'	132.57	146.15	129.27	139.64	169.32	116.99
8668	'EIF3I'	118.18	103.47	148.72	86.29	86.54	120.15
8669	'EIF3J'	63.24	43.07	57.42	41.03	31.27	67.84
867	'CBL'	14.75	5.83	3.55	5.17	7.43	6.97
8671	'SLC4A4'	2.25	1.56	0.67	0.92	1.03	0.58
8672	'EIF4G3'	34.82	21.25	24.78	14.23	18.32	31.4
8673	'VAMP8'	235.55	308.14	405.29	298.08	232.66	368.56
8674	'VAMP4'	17.64	12.92	10.93	16.12	40.15	21.06
8675	'STX16'	48.23	44.47	37.35	32.57	67.83	53.53
8676	'STX11'	65.93	63.11	43.34	46.46	19.67	68.16
8677	'STX10'	52.06	60.45	74.55	56.73	74.89	69.7
8678	'BECN1'	89.39	82.4	76.61	89.96	67.62	109.81
868	'CBLB'	56.79	42.07	16.04	34.67	30.8	27.7
8681	'JMJD7-PI	4.14	0.29	4.81	0.45	5.2	1.64
8682	'PEA15'	89.48	54.89	64.67	52.12	50.32	74.11
8683	'SRSF9'	113.1	111.09	164.58	101.64	126.26	137.27
8685	'MARCO'	0	0	0	0.1	0	0
8690	'JRKL'	2.61	1.7	2.38	2.81	10.87	3.72
8692	'HYAL2'	3.05	2.7	6.77	3.11	5.17	5.1
8693	'GALNT4'	15.47	3.91	5.7	6.82	9.9	11.36
8694	'DGAT1'	40.43	41.16	38.88	31.84	43.1	47.32
8697	'CDC23'	20.51	13.26	18.02	9.07	19.13	13.7
8698	'S1PR4'	117.47	116.85	228.28	88.43	458.08	251.13
87	'ACTN1'	14.01	11.65	24.14	4.79	9.25	7.59
8701	'DNAH11'	0.02	0.02	0.01	0.02	0.84	0.04
8702	'B4GALT4'	20.35	22.92	33.41	21.6	22.57	18.35
8703	'B4GALT3'	76.71	67.21	57.36	60.03	51.01	74.64
8704	'B4GALT2'	15.02	12.87	18.17	8.07	14.16	10.01
8705	'B3GALT4'	11.15	9.86	12.29	8.84	20.91	19.09
8706	'B3GALNT1	2.87	1.71	3.36	0.66	0.15	0.7
8707	'B3GALT2'	0.61	0.73	0.48	2.36	8.57	5.69
8708	'B3GALT1'	0	0	0	0	0	0.05
871	'SERPINH1	3.87	3.6	5.06	4.57	6.25	7.71
8711	'TNK1'	0.33	0.21	0.49	0.46	1.69	0.62
8714	'ABCC3'	0	0.06	0.05	0.05	0	0.06
8717	'TRADD'	48.13	71.5	92.19	59.23	166.23	144.94
87178	'PNPT1'	11.4	6.66	10.68	10.94	2.81	16.03
8718	'TNFRSF25	60.97	56.59	53.53	50.27	35.89	94.03
8720	'MBTPS1'	48.77	31.54	27.24	39.03	31.89	43.71
8721	'EDF1'	508.24	663.5	692.22	631.5	694.04	702.6
8722	'CTSF'	9.37	11.64	5.49	5.38	32.42	9.9
8723	'SNX4'	16.96	16.15	21.21	11.54	15.1	18.34
8724	'SNX3'	126.15	121.81	130.43	123.1	150.01	148.71
8725	'URI1'	48.72	45.39	42.32	42.02	38.75	40.94

8726	'EED'	15.46	11.81	17.22	11.22	19.34	24.7
8727	'CTNNAL1'	17.8	12.59	19.66	8.22	13.89	7.89
8728	'ADAM19'	55.76	39.52	55.88	34.21	31.08	69.58
8729	'GBF1'	53.06	30.88	32.04	23.1	35.71	46.67
873	'CBR1'	21.83	28.59	66.58	22.38	34.87	48.38
8731	'RNMT'	28.49	20.93	16.42	16.58	35.68	27.03
8732	'RNGTT'	13.61	9.63	10.91	10.02	10.4	11.76
8733	'GPAA1'	109.14	88.29	106.78	57.86	74.51	68.39
8736	'MYOM1'	0.16	0.36	0.41	0.69	0.75	0.52
8737	'RIPK1'	51.15	40.03	27.69	41.22	34.45	46.77
8738	'CRADD'	17.1	20.98	16.05	16.16	21.73	22.63
8739	'HRK'	0.04	0.02	0	0.04	0	0.02
874	'CBR3'	6.12	9.37	44.15	3.95	13.09	18.67
8740	'TNFSF14'	20.25	9.76	12.47	10.21	8.65	24.66
8741	'TNFSF13'	20.95	14.31	8.65	11.64	2.97	6.03
8742	'TNFSF12'	137.48	122.89	120.37	107.09	124.27	161.43
8743	'TNFSF10'	121.77	74.93	122.03	99.42	100.31	130.9
8744	'TNFSF9'	11.32	20.07	22.22	11.56	32.53	41.72
8745	'ADAM23'	0.08	0.12	0.13	0.25	0.29	0.52
8747	'ADAM21'	0	0	0.04	0	0	0.04
8748	'ADAM20'	0.03	0.08	0.04	0.04	0.08	0.07
875	'CBS'	11.65	3.09	18.55	0.84	3.83	5.13
8751	'ADAM15'	40.93	33.22	37.23	18.83	19.15	27.83
8754	'ADAM9'	12.32	7.4	7.9	4.18	7.19	10.32
8760	'CDS2'	21.22	14.69	14.99	11.99	19.84	18.79
8761	'PABPC4'	59.68	43.85	57.81	38.66	46.73	50.94
8763	'CD164'	162.12	107.48	143.2	125.21	167.57	210.18
8764	'TNFRSF14	112.18	110.82	91.74	102.31	143.55	173.69
8766	'RAB11A'	42.18	31.02	45.6	34.58	35.35	50.9
8767	'RIPK2'	8.84	6.76	6.69	6.84	4.96	13.79
8771	'TNFRSF6E	6.3	3.75	3.79	2.54	4.38	5.98
8772	'FADD'	27.58	20.16	30.36	18.91	43.13	24.32
8773	'SNAP23'	53.51	44.66	36.11	40.59	48.55	47.16
8774	'NAPG'	20.71	20.79	14.68	16.53	16.32	22.64
8775	'NAPA'	215.94	150.35	185.16	162.68	146.05	268.58
8776	'MTMR1'	39.21	22.09	20.6	25.82	18.67	24.19
87769	'GGACT'	2.55	3.07	8.71	3.22	6.57	5.01
8777	'MPDZ'	0	0	0.02	0	0	0
8778	'SIGLEC5'	0.08	0.06	1.81	0.48	0.28	0.54
8780	'RIOK3'	52.18	36.79	25.44	31.91	39.33	40.18
8784	'TNFRSF18	168.07	172.99	58.25	74.3	72.08	93.41
8785	'MATN4'	0.14	0.17	0.05	0	0.16	0.12
8786	'RGS11'	0.12	0.05	0.12	0.08	0.05	0
8787	'RGS9'	56.5	47.46	45.09	36.1	43.75	45.25
8790	'FPGT'	0.69	0.86	1.25	0.57	3.11	1.43
8792	'TNFRSF11	9.84	7.69	7.63	0.69	17.9	8.36
8793	'TNFRSF1C	0.86	1.12	2.3	0.88	13.52	3.37
8794	'TNFRSF1C	0.1	0	0	0	0.16	0
8795	'TNFRSF1C	28.49	18.7	25.99	15.33	51.3	46.89
8797	'TNFRSF1C	5.86	2.5	7.95	3.98	6.32	9.27
8798	'DYRK4'	24.56	25.26	31.88	20.96	30.25	32.99
8799	'PEX11B'	19.49	15.29	24.32	14.82	26.02	25.51
88	'ACTN2'	0.03	0.02	0	0	0	0.02
8800	'PEX11A'	0.8	0.89	0.43	0.56	2.26	0.64

8801	'SUCLG2'	43.29	36.55	43.07	32.13	42.2	58.51
8802	'SUCLG1'	68.43	60.03	115.33	61.52	77.07	110.83
8803	'SUCLA2'	13.23	8.39	17.16	8.62	12.13	12.83
8804	'CREG1'	50.78	32.79	49.03	31.6	31.06	43.63
8805	'TRIM24'	15.78	12.91	12.2	10.97	15.08	13.99
8807	'IL18RAP'	97.25	117.3	45.48	74.51	36.37	38.8
8808	'IL1RL2'	0	0	0.09	0.06	0.03	0.05
8809	'IL18R1'	24.08	27.82	18.84	12.59	23.53	21.22
881	'CCIN'	0.07	0.05	0.05	0.2	0	0
8811	'GALR2'	1.01	0.99	0.41	0.31	0.33	0.96
8812	'CCNK'	82.38	38.65	43.83	40.74	53.74	61.57
8813	'DPM1'	77.16	70.33	93.89	78.45	69.89	88.84
8814	'CDKL1'	6.01	3.35	3.6	3.45	4.62	6.72
8815	'BANF1'	340.18	314.46	469.16	262.29	149.17	276.24
8816	'DCAF5'	37.53	27.55	23.44	27.11	37.57	39.51
8817	'FGF18'	0.41	0.46	0.35	0.33	0.21	0.3
8818	'DPM2'	120.03	126.1	179.72	102.2	129.16	127.22
8819	'SAP30'	38.08	42.04	63.7	40.34	119.74	97.46
8820	'HESX1'	0.07	0.75	0.74	0.2	0.62	0.52
8821	'INPP4B'	10.6	7.09	7.6	8.09	8.63	13.64
8822	'FGF17'	0.22	0.17	0.28	0.71	0.34	0.38
8824	'CES2'	18.25	14.57	16.41	11.76	21.57	25.71
8825	'LIN7A'	0.28	0.1	0.27	0	0.22	0.08
8826	'IQGAP1'	196.32	85.72	95.21	82.42	122.29	140.48
8828	'NRP2'	0.11	0.04	0.03	0.19	0.12	0.21
8829	'NRP1'	0.39	0.18	0.32	0.43	0.21	1.3
883	'KYAT1'	4.47	5.41	9.9	3.83	8.95	7.97
8831	'SYNGAP1'	28.89	19.36	14.88	15.59	20.34	27.78
8832	'CD84'	9.54	6.36	5.46	5.87	7.64	10.31
8833	'GMPS'	18.26	12.04	19.91	11.33	17.08	14.65
8834	'TMEM11'	51.46	60.29	70.34	50.64	65.9	59.17
8835	'SOCS2'	108.42	84.15	72.99	87.19	57.24	106.95
8836	'GGH'	52.14	33.12	53.79	26.58	46.18	19.34
8837	'CFLAR'	187.37	131.53	78.76	126.17	75.12	143.15
8838	'CCN6'	0	0.15	0.15	0.28	0	0.35
8840	'CCN4'	0	0.02	0	0	0.02	0.1
8841	'HDAC3'	72.51	74.45	76.41	65.14	83.91	73.82
8842	'PROM1'	0	0	0.03	0	0.07	0
8843	'HCAR3'	0.2	0.2	4.35	0.75	0	0.7
8844	'KSR1'	55.45	22.72	11.68	25.01	19.98	20.3
88455	'ANKRD13A'	64.27	47.48	38	39.27	65	58.09
8846	'ALKBH1'	8.86	8.4	7.06	8	6.73	8.35
8848	'TSC22D1'	5.57	4.68	6.44	6.93	8.19	8.78
8850	'KAT2B'	191.18	148.86	85.01	105.08	161.94	179.82
8851	'CDK5R1'	7.31	6.15	6.15	2.24	2.85	10.09
8852	'AKAP4'	0	0	0	0	0	0.08
8853	'ASAP2'	0.07	0.04	0	0.02	0	0.06
8854	'ALDH1A2'	0	0.03	0	0	0	0
8856	'NR1I2'	0.05	0	0.14	0	0.04	0
8857	'FCGBP'	1.8	0.98	0.83	3.02	3.03	2.58
8858	'PROZ'	0.1	0.15	0.07	0	0.3	0.17
8859	'STK19'	12.59	11.25	9.25	13.26	9.53	12.92
8861	'LDB1'	133.43	117.69	83.96	102.81	153.1	156
8862	'APLN'	0.08	0.15	0	0.06	1.74	0.14

8863	'PER3'	2.06	1.49	3.33	1.16	4.03	4.65
8864	'PER2'	7.45	4.43	3.42	2.3	3.52	3.83
8867	'SYNJ1'	9.61	6.81	5.5	5.68	8.47	9.58
8869	'ST3GAL5'	33.46	28.73	32.04	45.5	18.1	38.09
8870	'IER3'	186.65	303.43	220.85	167.69	21.45	212.98
8871	'SYNJ2'	20.79	10.72	17.86	8.58	16.68	20.97
8872	'CDC123'	161.79	131.99	191.47	142.05	117.46	180.06
8874	'ARHGEF7'	41.87	27.88	20.73	24.99	39.74	32.95
88745	'RRP36'	69.78	67.33	75.73	55.94	43.69	88.27
8875	'VNN2'	72.7	58.08	44.57	37.15	38.59	36.7
8876	'VNN1'	5.04	1.44	0.9	0.32	0.77	0.26
8877	'SPHK1'	3.11	3.87	3.1	4.46	6.39	9.6
8878	'SQSTM1'	467.96	204.18	184.48	281.33	354.71	284.21
8879	'SGPL1'	20.3	13.81	11.68	12.04	13.65	18.47
8880	'FUBP1'	87.54	51.23	66.21	44.95	34.76	54.32
8881	'CDC16'	29.54	27.13	37.76	26.82	33.65	47.24
8882	'ZPR1'	20.27	16.05	14.82	15.51	9.87	18.87
8883	'NAE1'	53.79	44.77	67.35	43.47	52.3	55.37
8884	'SLC5A6'	25.66	17.14	24.65	17.26	6.98	25.83
8886	'DDX18'	45.02	26.81	31.11	29.04	34.76	36.28
8887	'TAX1BP1'	67.41	47.52	42.86	48.96	57.73	63.07
8888	'MCM3AP'	35.97	25.68	26.95	16.75	28.08	32.47
889	'KRIT1'	13.35	11.29	10.34	9.86	13.13	13.53
8890	'EIF2B4'	27.62	25.37	32.55	28.66	26.59	42.97
8891	'EIF2B3'	12.74	9.44	18.71	9.63	6.8	14.55
8892	'EIF2B2'	18.09	11.56	25.13	11.49	9.7	19.97
8893	'EIF2B5'	46.99	36.57	40.74	33.02	28.38	38.83
8894	'EIF2S2'	126.12	95	184.49	112.73	134.88	139.57
8895	'CPNE3'	26.63	20.64	18.45	15.19	36.93	30.04
8896	'BUD31'	144.53	150.79	184.39	158.51	136.79	182.02
8897	'MTMR3'	17.18	12.24	7.41	9.82	13.04	12.69
8898	'MTMR2'	19.2	14.05	13.38	10.27	9.79	16.23
8899	'PRPF4B'	56.22	40.12	27.07	39.48	38.22	40.84
89	'ACTN3'	0.62	0.82	0.13	0.35	1.72	2.05
890	'CCNA2'	53.55	25	77.41	19.27	23.45	38.71
8900	'CCNA1'	0.61	0.2	4.48	0.25	0.2	0.32
8904	'CPNE1'	88.37	82.52	172.06	88.27	146.66	158.57
8905	'AP1S2'	55.9	42.49	38.91	29.37	47.59	49.54
8906	'AP1G2'	120.68	110.16	95.04	87.45	135.39	159.1
8907	'AP1M1'	15.11	10.09	14.15	10.11	12.08	13.98
8909	'ENDOU'	0	0.05	0	0.09	0	0.05
891	'CCNB1'	66.58	32.99	99.62	29.7	7.65	35.5
8910	'SGCE'	1.71	1.71	0.87	2.84	1.79	2.31
8911	'CACNA1I'	1.07	1.71	0.92	1.06	5.05	3.4
8912	'CACNA1H'	0.32	0.43	0.23	0.1	0.12	0.47
89122	'TRIM4'	14.92	11.14	9.53	14.02	23.37	11.96
8913	'CACNA1G'	0.02	0	0.01	0.01	0	0.03
8914	'TIMELESS	25.86	12.04	27.28	10.13	15.32	15.1
8915	'BCL10'	13.48	11.39	11.6	10.5	15.4	17.83
8916	'HERC3'	17.16	9.78	6.93	12.78	16.32	13.67
892	'CCNC'	36.5	27.65	31.83	26.06	33.63	41.63
8924	'HERC2'	18.66	12.99	9.59	8.46	10.09	11.64
8925	'HERC1'	15.54	7.58	6.76	6.11	10.97	8.76
8926	'SNURF'	24.46	27.67	22.97	25.33	31.32	36.65

8927	'BSN'	0.07	0.02	0.01	0	0.03	0.04
8928	'FOXH1'	0	0.1	0.12	0.15	0.11	0.27
8930	'MBD4'	28.69	22.73	29.37	25.54	29.76	34.12
8932	'MBD2'	77.02	61.64	62.29	68.2	56.06	73.26
8933	'RTL8C'	53.17	56.44	48.56	38.8	75.72	47.75
8934	'RAB29'	53.75	32.59	44.52	41.77	45.75	67.93
8935	'SKAP2'	15.81	10.53	16.07	8.4	16.75	16.99
8936	'WASF1'	0.48	0.8	0.74	0.46	1.74	1.22
8938	'BAIAP3'	0.22	0.54	0.29	0.59	9.08	1.51
8939	'FUBP3'	54.89	35.96	27.71	34.55	26.39	35.45
894	'CCND2'	221.85	108.56	118.59	90.12	143.19	128.96
8940	'TOP3B'	27.08	19.29	16.63	16.36	24.96	25.55
8941	'CDK5R2'	0	0.04	0	0	0	0
8942	'KYNU'	1	0.32	0.24	0.92	0.57	1.63
8943	'AP3D1'	87.03	50.16	59.96	45.69	61.48	69.74
8945	'BTRC'	3.24	3.03	2.31	2.35	4.56	4.68
896	'CCND3'	392.47	272.49	419.44	299.32	320.21	421.41
8968	'H3C7'	0.51	0.38	1.12	0.71	0.39	0.44
8969	'H2AC11'	1.02	1.54	1.87	0.71	2.34	2.65
8970	'H2BC11'	3.79	2.03	2.77	0.38	0.41	2.34
8971	'H1-10'	290.96	297.5	400.37	213.33	436.46	713.45
8972	'MGAM'	0.17	0.06	0.28	0.07	0.02	0
8973	'CHRNA6'	0	0	0.04	0	0	0.05
8974	'P4HA2'	0.8	1.18	0.53	0.77	7.77	1.62
8975	'USP13'	3.56	1.86	3.06	0.74	1.52	2.53
8976	'WASL'	6.02	5	3.74	4.8	4.29	6.42
89765	'RSPH1'	0	0	0.11	0.1	0.11	0.25
89766	'UMODL1'	0	0.02	0	0	0	0.04
89780	'WNT3A'	0	0	0	0	0.1	0
89781	'HPS4'	23.31	18.67	12.82	14.73	23.95	20.29
89782	'LMLN'	0.38	0.28	0.28	0.23	0.52	0.64
89790	'SIGLEC1(	1.38	1.72	2.06	0.96	2.09	2.26
89792	'GAL3ST3'	0	0	0	0	0.15	0.04
89795	'NAV3'	0	0.01	0	0	0	0
89796	'NAV1'	0.48	0.32	0.29	0.39	0.82	0.77
89797	'NAV2'	0.09	0.1	0.09	0.01	0.05	0.07
898	'CCNE1'	14.01	11.35	20.41	7.11	16.09	10.24
89801	'PPP1R3F'	9.3	5.94	7.55	7.12	10.59	15.08
89822	'KCNK17'	0.47	0.21	0	0	0	0
89832	'CHRFAM7A	3.01	2.32	0.19	0.19	0.23	0.2
89839	'ARHGAP11	15.77	6.23	4.92	2.43	3.06	6.69
89845	'ABCC10'	12.59	9.34	10.77	6.91	13.07	19.25
89846	'FGD3'	110.61	80.89	76.95	68.2	155.42	130.72
89848	'FCHSD1'	42.68	45.56	24.78	29.89	44.15	48.15
89849	'ATG16L2'	31.4	51.27	58.99	30.59	76.11	69.55
8985	'PLOD3'	36.2	33.69	29.13	38.81	48.52	44.44
89853	'MVB12B'	36.72	28.09	19.03	35.7	29.7	33.34
89857	'KLHL6'	16.17	7.15	7.65	7.32	11.75	9.35
89858	'SIGLEC12	0.88	0.4	10.62	0.32	1.53	0
8986	'RPS6KA4'	26.86	21.15	26.38	17.02	18.39	28
89866	'SEC16B'	0	0	0.02	0	0	0.03
8987	'STBD1'	6.47	4.18	6.56	2.12	3.8	5.18
89870	'TRIM15'	0	0	0	0	0.08	0
89876	'CFAP91'	0.03	0	0	0.04	0	0.07

89884	'LHX4'	1.29	0.5	0.34	0.33	1.06	1.15
89886	'SLAMF9'	0.2	0	0	0.53	0.1	0
89887	'ZNF628'	19.87	17.95	11.86	10.32	12.01	15.59
8989	'TRPA1'	0	0.02	0	0.03	0.02	0.01
89890	'KBTBD6'	2.11	1.41	0.87	1.65	2.58	1.82
89891	'DYNC2I2'	37.09	25.35	58.28	18.36	50.77	26.85
89894	'TMEM116'	6.12	8.22	14	7.45	14.72	13.05
899	'CCNF'	29.98	12.56	23.85	9.22	14.88	12.85
8991	'SELENBP1	0	0	0.21	0	0	0
89910	'UBE3B'	16.52	10.4	11.95	10.14	15.56	15.35
8992	'ATP6V0E1	116.86	115.85	149.41	158.32	173.4	210.82
89927	'BMERB1'	1.78	2.17	1.85	0.58	4.67	0.23
8993	'PGLYRP1'	0	0.2	0	0	0	0.23
89932	'PAPLN'	0.56	0.79	0.38	0.23	0.82	0.98
8994	'LIMD1'	9.13	5.32	4.56	3.95	14.81	5.27
89941	'RHOT2'	102.29	105.93	76.51	76.99	87.79	97.38
89944	'GLB1L2'	3.39	3.38	2.63	4.73	4.62	3.34
8995	'TNFSF18'	0	0.55	0.18	0.17	0.19	0
89953	'KLC4'	9.13	9.45	7.94	7.64	13.44	11.67
89958	'SAPCD2'	18.76	9.85	29.17	5.36	7.19	10.28
8996	'NOL3'	12.95	22.63	13.17	5.94	87.37	14.84
8997	'KALRN'	0	0.1	0.06	0.06	0.07	0.19
89970	'RSPRY1'	16.43	13.77	12.52	11.76	18.04	15.62
89978	'DPH6'	5	2.23	5.97	2.84	3.89	5.48
8999	'CDKL2'	0.48	0.39	0.2	0.94	0.41	1.03
9	'NAT1'	8.68	10.6	9.87	9.47	17.81	13.56
90	'ACVR1'	13.9	8.29	9.48	10.5	12.77	19.09
900	'CCNG1'	79.52	82.23	81.57	64.4	259.35	84.38
90007	'MIDN'	36.69	31.56	19.79	25.9	23.73	35.18
9001	'HAP1'	0	0	0.02	0	0	0
9002	'F2RL3'	4.21	2	4.17	0.73	0.66	3.76
90025	'UBE3D'	4.21	2.15	2.87	2.59	2.28	4.28
90050	'FAM181A'	0.2	0	0	0	0	0.17
90060	'CCDC120'	8.97	6.02	4.69	4.84	6.99	8.35
90075	'ZNF30'	0.6	0.91	0.57	0.94	2.01	1.55
901	'CCNG2'	20.37	22.86	14.04	18.51	34.55	48.33
90102	'PHLDB2'	3.14	1.76	2.01	0.73	1.61	1.49
90113	'VWA5B2'	0	0.03	0.02	0.05	0.25	0.08
90120	'TMEM250'	30.3	15.3	29.02	17.33	34.32	24.13
90121	'TSR2'	27.72	24.49	21.11	20.6	21.09	22.68
9013	'TAF1C'	40.89	33.61	23.13	25.7	25.79	33.4
90135	'BTBD6'	41.19	29.66	40.84	28.54	24.38	36.17
90139	'TSPAN18'	4.24	2.61	4.53	1.47	8.39	15.01
9014	'TAF1B'	21.49	12.09	18.23	14.55	12.64	22.87
90141	'EFCAB11'	3.78	2.46	4.18	1.88	2.48	2.53
9015	'TAF1A'	4.61	3.6	4.11	3.99	2.08	3.05
9016	'SLC25A14	14.72	16.19	15.13	15.25	9.67	11.64
90161	'HS6ST2'	0.68	0.11	0.27	0.32	0.31	0.18
90167	'FRMD7'	0.41	0.22	0.05	0.2	0.32	0.11
9019	'MPZL1'	5.43	4.76	8.15	3.47	3.43	8.91
90196	'SYS1'	33.22	24.99	18.66	25.65	26.2	21.11
902	'CCNH'	53.22	42.21	60.79	45.12	50.43	65.54
9020	'MAP3K14'	30.59	18.28	17.66	17.58	15.43	29.41
90203	'SNX21'	2.42	1.67	1.39	1.19	3.81	2.31

90204 'ZSWIM1'	1.31	0.47	1.42	0.58	2.28	1.22
9021 'SOCS3'	30.5	42.57	51.83	19.23	9.62	55.87
9022 'CLIC3'	23.58	40.48	61.12	41.52	57.82	50.27
90226 'UCN2'	0.1	0	0	0	0.22	0.08
9023 'CH25H'	0.49	1	1.11	0.58	1.54	2.31
90231 'KIAA201	59.36	49.44	49.87	37.1	63.12	56.59
90233 'ZNF551'	9.95	7.14	5.04	5.56	7.53	8.91
9024 'BRSK2'	0	0.02	0	0.07	0.19	0.05
90249 'UNC5A'	0	0	0.03	0	0	0
9025 'RNF8'	15.36	14.8	17.67	12.09	15.76	18.14
9026 'HIP1R'	18.65	17.98	14.68	13.92	17.82	17.37
90268 'OTULIN'	42.46	24.56	16.99	20.66	21.67	22.7
9027 'NAT8'	0	0	0	0	0	0.13
90273 'CEACAM21	14.28	12.98	10.61	12.81	28.73	18.88
9028 'RHBDL1'	1.07	1.86	0.62	1.2	0.91	0.43
90288 'EFCAB12'	0.82	0.64	0.38	1.26	3.03	1.11
90293 'KLHL13'	0.18	0.05	0.06	0	0	0.04
9031 'BAZ1B'	51.22	24.42	35.27	20.99	31.67	34.7
90313 'TP53I13'	56.91	79.3	52.13	50.36	87.59	69.97
90317 'ZNF616'	1.46	0.91	1.29	1.51	4.09	1.77
9032 'TM4SF5'	0.26	0.2	0	0	0.2	0
90321 'ZNF766'	7.84	8.19	5.15	9.29	15.64	13.24
90324 'CCDC97'	79.25	33.72	37.94	32.16	48.81	58.46
90326 'THAP3'	13.6	17.38	11.37	14.74	22.14	16.12
9033 'PKD2L1'	0.04	0	0.03	0	0.08	0.12
90333 'ZNF468'	7.15	5.5	3.59	4.02	5.68	6.35
90338 'ZNF160'	9.84	7.32	4.49	6.84	27.82	10.46
9034 'CCRL2'	4.25	4.04	7.59	4.37	9.65	7.13
90353 'CTU1'	4.67	4.06	6.25	4.12	8.68	4.7
90355 'MACIR'	7.97	7.95	9.92	5.37	7.22	10.87
90362 'FAM110B'	0	0	0.12	0.03	0.29	0.11
9037 'SEMA5A'	0.01	0	0	0	0.01	0.01
90378 'SAMD1'	30.77	23.32	47.91	19.39	43.77	34.73
90379 'DCAF15'	59.43	52.46	52.5	42.85	44.42	52.1
90381 'TICRR'	11.45	4.19	6.12	2.14	5.17	2.42
9039 'UBA3'	75.81	68.09	81.43	61.39	67.52	101.69
90390 'MED30'	38.81	41.81	35.41	28.08	24.9	24.35
904 'CCNT1'	16.33	8.89	7.64	10.02	10.79	10.39
9040 'UBE2M'	139.78	133.91	161.65	107.79	124.48	159.66
90407 'TMEM41A'	13.71	13.22	8.25	11.11	11.79	10.27
90410 'IFT20'	30.45	30.35	22.83	28.4	27.84	29.76
90411 'MCFD2'	37.4	23.64	25.01	22.25	27.77	32.12
90416 'CCDC32'	14.33	13.87	18.01	12.69	19.97	18.98
90417 'KNSTRN'	21	13.05	33.27	12.03	6.61	15.19
90423 'ATP6V1E2	2.07	1.84	2.77	2.41	3.24	3.2
90427 'BMF'	57.55	40.82	11.31	74.98	18.09	32.11
9043 'SPAG9'	16.67	10.09	9.53	7.78	9.59	11.37
9044 'BTAF1'	40.29	31.62	14.94	21.45	31.37	20.92
90441 'ZNF622'	37.2	34.54	36.2	47.1	43.86	47.39
9045 'RPL14'	101.27	128.8	116.97	141.41	154.6	113.54
90459 'ERI1'	113.39	85.19	96.25	57.28	51.16	82.77
9046 'DOK2'	159.34	206.92	242.69	151.63	185.83	253.62
9047 'SH2D2A'	171.65	147.07	190.27	121.37	199.82	224.16
9048 'ARTN'	0.07	0.11	0.25	0.1	0.18	0.2

90480	'GADD45GI	47.96	49.97	73.81	57.26	45.59	66.06
90485	'ZNF835'	0.11	0.04	0.06	0.16	0.04	0.21
90488	'TMEM263'	17.17	14.62	12.36	15.98	28.16	21.25
9049	'AIP'	114.14	116.63	179.38	102.26	115.77	154.29
905	'CCNT2'	39.28	25.92	14.05	22.81	15.76	23.56
9050	'PSTPIP2'	7.49	6.95	5.3	6.28	3.04	4.35
90506	'LRRC46'	1.31	0.81	1.23	0.8	0.85	0.74
90507	'SCRN2'	19.66	28.85	20.73	20.43	30.22	22.57
9051	'PSTPIP1'	76.38	74.87	88.35	61.15	82.72	111.31
9052	'GPRC5A'	0	0	0.01	0.03	0	0
90522	'YIF1B'	91.21	92.06	110.94	66.63	75.34	108.81
90525	'SHF'	0.73	0.67	0.52	0.34	1.07	1.13
90527	'DUOXA1'	0	0.14	0	0.03	0	0
90529	'STPG1'	1.87	2.04	3.22	1.34	4.95	4.32
9053	'MAP7'	0.03	0.18	0.28	0.1	0.03	0.03
9054	'NFS1'	8.13	7.75	12.07	7.22	9.08	8.91
9055	'PRC1'	62.87	35.15	67.24	25.63	25.59	35.26
90550	'MCU'	8.84	7.63	11.46	7.51	8.87	16.32
90557	'CCDC74A'	21.47	41.23	17.88	9.91	19.86	8.17
9056	'SLC7A7'	0.19	0.1	0.47	0.32	0.15	0.39
9057	'SLC7A6'	33.29	17.58	14.11	15.92	20.72	23.7
90576	'ZNF799'	2.19	2.72	2.12	2.08	3.9	2.25
90580	'TIMM29'	19.85	15.77	18.64	16.14	16.24	17.77
90589	'ZNF625'	1.39	0.68	0.24	0.11	0.32	0.43
90592	'ZNF700'	9.26	15.67	12.73	7.8	16.47	16.31
90594	'ZNF439'	1.54	1.55	1.8	1.15	2.51	2.09
9060	'PAPSS2'	0.65	0.63	0.38	0.63	0.75	1.12
9061	'PAPSS1'	22.41	14.97	19.94	14.13	24.92	27.05
90624	'LYRM7'	3.96	2.98	4.13	2.01	8.42	3.4
90625	'ERVH48-1	0.23	0	0.09	0.12	0.32	0
90627	'STARD13'	0	0.04	0.03	0.01	0	0.13
9063	'PIAS2'	9.55	8.37	6.22	7.56	8.53	8.08
90634	'N4BP2L1'	25.59	29.32	18.23	23.27	38.83	27.09
90637	'ZFAND2A'	70.01	91.58	51.42	92.5	46.43	82.69
90639	'COX19'	10.96	10.77	10.62	14.35	10.58	15.16
9064	'MAP3K6'	1.91	2.62	1.73	1.43	3.91	3.93
90649	'ZNF486'	2.91	1.5	2.08	1.64	2.13	1.37
9066	'SYT7'	0.06	0.02	0	0.02	0.04	0.02
90665	'TBL1Y'	0.06	0	0	0	0.05	0.05
90668	'CARMIL3'	3.37	2.58	3.97	1.95	3.96	6.94
90673	'PPP1R3E'	2.94	1.9	1.91	2.2	12.66	3.41
90678	'LRSAM1'	12.09	13.51	12.86	8.11	21.78	23.41
9068	'ANGPTL1'	0	0	0	0.03	0	0
9069	'CLDN12'	2.32	1.14	1.58	1.25	1	1.69
90693	'CCDC126'	6.15	4.41	3.97	3.18	7.91	5.2
9070	'ASH2L'	31.47	21.67	35	22.05	28.82	29.75
90701	'SEC11C'	133.35	131.45	120.51	134.73	199.84	158.79
90736	'FAM104B'	9.78	10.88	12.22	10.98	8.49	12.82
90737	'PAGE5'	0	0	0	0	0	0.35
9074	'CLDN6'	0	0.08	0	0.15	0	0.19
9075	'CLDN2'	0.04	0.07	0	0	0	0
90780	'PYGO2'	42.12	27.45	29.51	32.66	37.29	38.97
9079	'LDB2'	0.23	0.62	0.33	0.21	0.05	0.13
90799	'CEP95'	44.07	39.06	19.18	25.44	24.82	27.15

908	'CCT6A'	114.98	72.37	110.96	75.31	47.3	105.11
9080	'CLDN9'	0.27	0.27	0.07	0.19	0.35	0.08
90806	'ANGEL2'	15.33	14.54	8.38	10.41	12.99	11.75
90809	'PIP4P1'	40.85	32.85	31.23	32.85	26.15	37.98
9081	'PRY'	0	0	0	0.03	0	0
90826	'PRMT9'	8.06	7.26	6.32	6.31	5.62	7.67
90835	'CCDC189'	2.39	2.52	3.07	1.75	2.75	2.44
90843	'TCEAL8'	25.2	29.37	46.25	30.25	61.39	42.94
90850	'ZNF598'	56.9	39.62	41.16	30.07	22.58	39.46
90853	'SPOCD1'	0	0.03	0	0	0	0.03
9086	'EIF1AY'	0.43	0.25	65.56	95.95	38.18	0.09
90861	'JPT2'	14.14	7.45	16.92	9.46	15.68	11.46
90864	'SPSB3'	71.52	82.72	58.87	75.63	106.06	91.19
9087	'TMSB4Y'	0	0	2.12	3.53	1.28	0
90871	'DMAC1'	8.69	10.53	17.58	10.97	10.41	13.36
90874	'ZNF697'	0.05	0	0	0.07	0	0.13
9088	'PKMYT1'	62.65	35.18	74.56	23.58	50.81	23.08
909	'CD1A'	0	0	0.07	0	0	0
9091	'PIGQ'	28.09	20.67	22.54	15.12	18.63	27.75
9092	'SART1'	90.7	67.57	84.71	63.84	74.95	87.6
9093	'DNAJA3'	23.01	15.64	30.4	18.01	25.37	25.84
90933	'TRIM41'	32.39	26.23	26.77	20.11	20.44	31.47
9094	'UNC119'	119.26	120.31	67.65	71.31	65.31	79.74
9095	'TBX19'	2.46	2.26	1.55	3	2.33	2.01
90952	'ESAM'	0.98	0.57	1.17	1	1.11	0.79
90956	'ADCK2'	15.5	12.25	14.2	10.73	13.76	13.18
90957	'DHX57'	6.97	6.44	4.84	4.04	5.79	6.74
9097	'USP14'	25.57	17.59	25.73	17.84	18.83	26.39
9098	'USP6'	0.36	0.35	0.28	0.65	1.33	0.96
90987	'ZNF251'	9.05	6.59	4.36	7.97	13.5	10.58
9099	'USP2'	0.1	0.11	0.22	0.17	0.12	0.3
90990	'KIFC2'	22.03	29.16	15.33	17.36	25.34	35.83
90993	'CREB3L1'	0	0	0	0.05	0	0.04
91	'ACVR1B'	8.28	3.88	2.98	5.42	2.54	3.87
910	'CD1B'	0	0	0	0	0	0.09
9100	'USP10'	52.83	36.43	42.3	30.85	41.29	42.89
9101	'USP8'	33.47	19.37	17.53	16.58	24.41	25.86
91010	'FMNL3'	19.35	9.37	7.28	7.15	7	9.17
91012	'CERS5'	51.92	52.99	36.78	49.12	42.75	50.33
91039	'DPP9'	101.58	68.05	58.09	50.38	41.46	71.63
9104	'RGN'	0	0	0	0	0	0.11
91050	'CCDC149'	0	0	0	0	0.02	0.02
91056	'AP5B1'	23.12	13.35	13.06	13.86	11.78	16.72
91057	'CCDC34'	10.57	7.01	18.58	8.93	16.48	6.24
9107	'MTMR6'	31.68	19.99	22.53	21.38	19.27	31.19
9108	'MTMR7'	0.17	0.23	0.1	0.13	0.15	0.2
911	'CD1C'	0	0	0.04	0	0	0.1
9110	'MTMR4'	18.49	12.72	12.46	12.4	17.74	17.63
91107	'TRIM47'	6.01	6.39	11.45	8.1	10.57	13.26
9111	'NMI'	58.09	53.23	96.16	61.1	67.34	124.16
9112	'MTA1'	48.74	37.94	43.15	28.59	43.77	42.85
91120	'ZNF682'	1.64	2.14	1.85	1.6	2.12	1.3
9113	'LATS1'	28.6	15.1	11.09	13.84	12.13	18.53
91133	'L3MBTL4'	0.94	0.31	0.58	0.71	0.33	0.19

91137	'SLC25A46	35.6	26.27	24.46	28.81	26.05	30.35
9114	'ATP6V0D1	106.25	74.27	89.01	86.5	74.72	124.06
91147	'TMEM67'	0.99	1.08	0.62	1.99	1.35	0.91
91151	'TIGD7'	1.61	1.67	1.79	2.29	5.93	3.92
91156	'IGFN1'	0	0	0	0	0	0.02
9117	'SEC22C'	47.1	35.89	41.32	49.48	34.81	52.81
91179	'SCARF2'	2.38	3.67	1.47	2.65	2.38	5.2
9118	'INA'	0.08	0.03	0.09	0	0.09	0.07
91181	'NUP210L'	0.07	0	0	0	0	0.04
9120	'SLC16A6'	4.96	3.17	7.62	2.84	2.57	13.57
9121	'SLC16A5'	4.33	4.63	2.81	2.05	3.07	4.98
9122	'SLC16A4'	0.28	0.21	0.21	0.35	0.58	0.14
91227	'GGTLC2'	0.83	1.05	0	0.36	0.37	0.91
9123	'SLC16A3'	76.92	68.37	88.21	31.91	259.87	45.86
9124	'PDLIM1'	10.72	14.79	18.89	10.66	37.31	22.67
9125	'CNOT9'	48.93	35.14	57.44	31.8	38.46	46.02
91252	'SLC39A13	22.6	27.47	17.53	22.38	28.87	31.72
9126	'SMC3'	60.64	35.2	44.31	30.04	39.37	37.92
9127	'P2RX6'	0.1	0	0.11	0.22	0.31	0.07
91272	'BOD1'	11.53	8.59	5.73	11.6	9.9	6.19
9128	'PRPF4'	18.03	12.52	17.15	12.32	14.63	15.99
91283	'MSANTD3'	21.13	19.83	17.52	17.48	26.27	12.17
91289	'LMF2'	112.95	86.75	99.94	68.57	87.8	114.69
9129	'PRPF3'	50.97	38.45	38.44	40.24	33.27	47.45
91298	'C12orf29	11.97	10.41	10.69	11.42	9.56	11.5
9130	'FAM50A'	80.91	82.32	105.31	73.67	93.63	131.08
91300	'R3HDM4'	101.95	121.08	103.59	105.04	134.29	157.82
91304	'TMEM259'	183.48	172.88	127.74	124.43	173.89	173.06
9131	'AIFM1'	39.75	27.23	48.37	30.45	19.95	41.28
91319	'DERL3'	5.55	7.73	9.04	3.41	19.28	23.22
9132	'KCNQ4'	0.92	0.72	0.43	0.75	0.39	1.71
9133	'CCNB2'	94.25	58.88	150.88	54.09	31.15	52.98
9134	'CCNE2'	14.58	5.58	8.56	3.59	11.59	4.86
9135	'RABEP1'	34.47	15.39	17.13	16.79	16.29	27.16
91351	'DDX60L'	10.93	11.96	13.64	22.03	17.73	41.7
91355	'LRP5L'	7.03	8.02	3.94	6.56	6.35	6.58
9136	'RRP9'	25	20.82	28.19	18.84	8.32	26.02
91368	'CDKN2AIP	27.04	24.32	31.33	27.04	24.21	24.24
91369	'ANKRD40'	38.07	21.41	17.58	21.02	11.59	21.73
91373	'UAP1L1'	62.32	22.32	21.02	27.78	46.36	30.89
9138	'ARHGEF1'	238.02	210.06	187.44	164.4	188.39	238.38
9139	'CBFA2T2'	7.97	6.21	5.1	5.9	12.32	10.89
91392	'ZNF502'	0.89	0.55	0.79	0.49	1.27	1.36
914	'CD2'	588.44	484.48	745.4	473.13	615.45	1057.29
9140	'ATG12'	29.37	24.54	21.82	24.79	26.73	25.51
91404	'SESTD1'	2.34	1.49	0.73	0.77	0.54	0.55
91408	'BTF3L4'	14.55	12.71	14.66	12.13	10.74	15.46
91409	'CCDC74B'	4.61	7.63	2.29	1.26	4.36	0.45
9141	'PDCD5'	124.5	130.47	189.66	136.93	123.5	140.34
91419	'ATP23'	8	10.81	20.49	9.1	16.2	10.59
9143	'SYNGR3'	19.73	20.26	12.27	9.69	26.52	14.39
91433	'RCCD1'	3.98	3.61	7.72	3.67	7.63	4.8
9144	'SYNGR2'	129.68	120.37	156.45	140.2	141.02	223.37
91442	'FAAP24'	6.67	5.1	9.82	4.91	4.62	6.53

91445	'RNF185'	39.19	20.83	22.51	25.34	29.08	27.69
9145	'SYNGR1'	28.3	48	10.07	39.2	27.12	22.79
91452	'ACBD5'	22.9	15.97	11.27	15.67	14.17	20.8
9146	'HGS'	91.6	66.99	48.83	58.13	69.53	66.68
91461	'PKDCC'	0.05	0.04	0	0.04	0	0.05
9147	'NEMF'	26.47	17.46	15.55	15.94	14.19	23.59
9148	'NEURL1'	0.32	0.15	0.6	0.27	0.53	0.51
9149	'DYRK1B'	16.62	16.24	11.71	17.41	29.68	24.81
915	'CD3D'	422.8	702.63	907.9	1039.53	789.28	1326.89
9150	'CTDP1'	32.85	22.31	26.2	26.61	35.77	37.27
91522	'COL23A1'	0.18	0.14	0.21	0.03	0.15	0.17
91523	'PCED1B'	32.83	54.72	34.12	35.92	103.8	67.44
91526	'ANKRD44'	43.54	31.84	28.82	27.75	34.43	46.04
9153	'SLC28A2'	0.06	0.02	0	0.11	0.08	0.12
9154	'SLC28A1'	0	0	0	0	0.1	0
91543	'RSAD2'	6.7	2.07	7.48	29.63	3.4	54.4
91544	'UBXN11'	18.94	21.74	22.95	15.97	72.66	24.11
9156	'EXO1'	13.04	5.77	9.97	4.41	15.4	6.34
91574	'C12orf65	16.05	10.93	13.34	18.28	25.15	20.59
9158	'FIBP'	113.88	107.24	132.89	89.1	75.54	119.66
91582	'RPS19BP1	133.52	167.6	160.43	162.81	135.8	156.53
91584	'PLXNA4'	1.04	0.49	0.2	0.08	1.13	0.39
9159	'PCSK7'	90.25	97.37	67.64	71.4	48.07	128.39
916	'CD3E'	662	823.3	968.83	863.02	1390.29	1458.63
91603	'ZNF830'	21.19	20.16	19.43	25.46	21.07	19.11
91607	'SLFN11'	22.99	12.32	17.57	14.85	51.09	15.85
91608	'RASL10B'	0.2	0.09	0.03	0.03	0	0.1
91612	'CHURC1'	14.4	13.06	20.94	13.33	29.37	21.9
91614	'DEPDC7'	0.32	0.36	0.83	0.34	0.87	0.63
9162	'DGKI'	0.07	0.01	0	0	0	0.02
91624	'NEXN'	0.27	0.63	0.4	0.6	0.42	0.62
91646	'TDRD12'	0.06	0.04	0.02	0.13	0.05	0.02
91647	'ATPAF2'	20.54	20.55	17.83	17.06	13.89	18.14
91653	'BOC'	0.09	0.05	0.18	0.12	0.52	0.15
9166	'EBAG9'	10.68	12.67	17.52	10.68	9.96	15.56
91661	'ZNF765'	3.79	2.46	2.4	2.15	4.86	3.87
91662	'NLRP12'	0.09	0.03	0.06	0.05	0	0.09
91663	'MYADM'	109.96	62.47	76.31	137.77	41.99	100
91664	'ZNF845'	4.96	3.88	2.33	3.86	5.67	5.49
9167	'COX7A2L'	75.69	87.63	107.38	73.24	96.64	97.95
9168	'TMSB10'	11182	15570	20436	14569.37	6859.89	12422.64
91683	'SYT12'	0	0	0	0	0.03	0
91687	'CENPL'	16.18	9.69	14.36	8.52	10.35	10.05
91689	'SMDT1'	45.77	50.86	42.38	50.24	55.34	42.94
9169	'SCAF11'	34.85	22.58	17.45	19.38	32.29	28.22
91694	'LONRF1'	8.01	6.75	6.63	4.71	5.72	5.68
917	'CD3G'	30.89	29.48	42.96	54.62	41.77	83.08
9170	'LPAR2'	33.96	36.39	29.88	24.16	32.48	44.72
91703	'ACY3'	1.57	2.33	2.05	1.04	0.45	1.66
9172	'MYOM2'	4.77	6.37	1.39	2.92	7.68	0.5
9173	'IL1RL1'	1.15	0.86	3.39	0.61	0.11	0.6
91734	'IDI2'	0.13	0	0	0	0	0
91746	'YTHDC1'	62.95	46.66	42.12	49.87	56.89	56.79
91748	'MIDEAS'	46.44	22.75	14.44	22.76	17.37	32.69

91749	'MFSD4B'	2.86	1.63	1.34	2.78	2.65	2.38
9175	'MAP3K13'	0.41	0.42	0.27	0.39	0.45	0.47
91750	'LIN52'	18.11	10.74	10.25	10.69	7.43	11.06
91752	'ZNF804A'	0	0	0	0.04	0	0.07
91754	'NEK9'	20.07	14.1	16.22	12.96	20.09	20.46
91768	'CABLES1'	0.12	0.17	0.5	0.19	0.3	0.64
9177	'HTR3B'	0.08	0	0.02	0.09	0.12	0.03
91775	'NXPE3'	11.64	8.14	6.88	5.8	6.09	9.97
91782	'CHMP7'	37.39	28.39	37.8	26.22	48.79	50.95
9179	'AP4M1'	7.33	4.83	5.66	6.02	7.57	6.74
9180	'OSMR'	0.34	0.12	0	0.15	0.13	0.42
91801	'ALKBH8'	7.47	7.24	4.04	5.7	3.07	6.35
91807	'MYLK3'	0.11	0.01	0.02	0.07	0.05	0.05
9181	'ARHGEF2'	51.26	28.77	37.78	34.32	48.58	42.29
9182	'RASSF9'	0.04	0.05	0.02	0.05	0.05	0.04
9183	'ZW10'	15.76	7.78	13.36	7.25	11.99	11.96
91833	'WDR20'	25.42	24.46	16.89	23.42	23.29	23.17
9184	'BUB3'	162.48	106.52	198.65	96.9	187.2	146.54
9185	'REPS2'	0.13	0.02	0.22	0.01	0.13	0.05
91860	'CALML4'	4.57	3.83	4.46	2.47	2.77	4.25
91862	'MARVELD3	0.07	0.1	0.06	0.15	0.2	0.3
91869	'RFT1'	8.99	6.58	13.3	5.92	9.2	10.14
9187	'SLC24A1'	2.44	1.72	1.28	1.41	2.09	1.34
91875	'TTC5'	4.02	2.47	2.73	2.39	2.39	2.81
9188	'DDX21'	85.7	44.57	62.32	50.63	18.24	63.46
9189	'ZBED1'	23.04	12.9	16.27	19.45	18.38	14.46
91893	'FDXACB1'	3	2.56	3.28	3.35	1.91	4.31
91894	'C11orf52	0	0	0	0	0	0.12
919	'CD247'	403.68	378.37	374.37	243.1	562.34	362.08
9191	'DEDD'	44.06	38.27	38.83	34.05	45.64	51.42
91937	'TIMD4'	8.49	6.86	3.86	8.58	6.27	2.94
9194	'SLC16A7'	5.47	2.5	3.59	2.59	2.19	4.06
91942	'NDUFAF2'	13.4	13.47	28.01	12.25	9.6	17.2
91947	'ARRDC4'	0.31	0.38	0.55	0.91	0.44	0.43
91949	'COG7'	11.13	8.36	9.54	7.33	10.07	11.81
9196	'KCNAB3'	7.58	5.32	4.78	4.26	2.37	3.31
91966	'EOLA1'	25.36	24.03	20.16	49.38	27.51	32.11
9197	'SLC33A1'	24.03	13.91	13.12	15.22	36.97	14.77
91975	'ZNF300'	2.59	1.45	0.85	1.42	0.93	1.23
91977	'MYOZ3'	0.04	0.06	0	0	0.03	0.07
91978	'TPGS1'	35.24	45.28	37.07	31.69	35.5	53.81
92	'ACVR2A'	2.72	3.98	3.51	2.62	4.52	10.7
920	'CD4'	16.56	16.83	13.82	12.86	26.68	181.39
9200	'HACD1'	2.88	1.91	2.23	0.71	0.49	0.77
92002	'CCNQ'	33.15	32.07	41.29	41.91	17.4	36.1
92014	'SLC25A51	12.3	5.98	4.91	6.9	7.36	8.04
92017	'SNX29'	14.83	8.05	9.23	4.57	6.59	20.59
9202	'ZMYM4'	10.59	8.62	5.8	7.33	10.27	11.3
9203	'ZMYM3'	8.94	9.3	11.02	6.53	31.82	17.2
9204	'ZMYM6'	17.1	16.25	8.79	15.22	14.77	16.36
9205	'ZMYM5'	19.02	18.37	10.44	17.71	16.05	22.51
9208	'LRRFIP1'	179.64	93.03	104.68	101.32	105.1	123.03
92086	'GGTLC1'	0.5	0.41	0.32	0.12	0.1	0.35
9209	'LRRFIP2'	28.32	26.25	25.29	19.58	21.97	30.54

92092	'ZC3HAV1L	2.64	3.11	1.6	1.91	12.27	1.78
921	'CD5'	45.37	50.13	65.66	50.9	100.78	155.41
92104	'TTC30A'	0.43	0.22	0.65	0.65	1.02	0.88
92105	'INTS4'	20.8	15.17	18.43	15.26	17.74	19.95
92106	'OXNAD1'	67.32	44.12	52.25	56.23	50.87	57.52
9212	'AURKB'	122.35	76.45	168.78	69.79	63.97	63.59
92126	'DSEL'	0.16	0.17	0.06	0.15	0.4	0.55
9213	'XPR1'	10.98	6.84	8.13	5.33	9.54	10.39
9214	'FCMR'	39.81	35.09	28.93	51.5	105.56	43.68
92140	'MTDH'	77.35	36.8	41.52	38.2	45.51	48.08
9215	'LARGE1'	0.39	0.43	0.22	0.33	0.28	1.03
92154	'MTSS2'	3.85	2.81	1.06	2.84	1.71	2.67
92162	'TMEM88'	3.39	3.07	3.98	2.02	0.79	9.42
9217	'VAPB'	13.37	9.53	9.63	10.77	10.66	10.31
92170	'MTG1'	13.91	10.75	13.67	8.7	11.18	17.32
9218	'VAPA'	39.63	33.38	38.39	34.27	42.54	46.71
92181	'UBTD2'	10.25	6.31	6.62	6.97	15.74	8.07
9219	'MTA2'	132.87	92.11	128.16	75.51	87.96	114.39
922	'CD5L'	0	0	0	0	0	0.07
9220	'TIAF1'	11.7	20.79	19.01	15.72	24.35	27.15
9221	'NOLC1'	64.34	36.32	58.9	38.66	20.33	44.06
92211	'CDHR1'	0.53	0.36	0.04	0.66	0.63	0.2
9223	'MAGI1'	0	0.02	0.05	0.02	0	0.02
92241	'RCSD1'	55.12	40.62	58.27	35.47	85.58	63.38
92255	'LMBRD2'	6.5	3.95	4.45	3.24	8.67	6.83
92259	'MRPS36'	15.87	13.79	18.46	13.49	12.72	15.37
9227	'LRAT'	0.03	0	0	0	0	0
92270	'ATP6AP1L	0.1	0.4	0.46	0.14	0.88	0.48
92283	'ZNF461'	2.97	3.84	2.24	1.9	2.94	3.75
92285	'ZNF585B'	1.05	1.07	0.82	1.11	2.84	2.53
9229	'DLGAP1'	0.02	0	0.06	0.08	0	0.05
92292	'GLYATL1'	0	0	0	0.04	0	0
92293	'TMEM132C	0	0	0.02	0.02	0.02	0
923	'CD6'	81.82	87.25	78.72	109.21	123.71	229.69
9230	'RAB11B'	184.89	149.73	149.21	115.75	172.02	157.71
92305	'TMEM129'	25	25.47	22.64	16.9	31.55	26.89
9231	'DLG5'	2.9	2.45	0.84	1.39	3.05	1.57
92312	'MEX3A'	0.02	0.03	0.04	0.04	0.07	0.08
9232	'PTTG1'	302.98	344.43	559.26	159.72	170.62	193.15
92335	'STRADA'	31.51	27.61	32.04	18.57	28.34	33.36
92340	'PRR29'	7.01	6.45	11.51	4.95	9.88	29.84
92342	'METTL18'	10.28	9.7	11.82	13.67	16.03	20.2
92344	'GORAB'	17.48	17.6	12.22	16.89	11.96	17.38
92345	'NAF1'	10.47	7.32	7.11	6.04	5.34	8.83
92346	'C1orf105	0	0	0	0.03	0.03	0.08
9235	'IL32'	4896.2	6419.5	7379.5	6129.86	8590.7	9815.62
92359	'CRB3'	0.49	0.44	0.36	0.51	1.48	1.25
9236	'CCPG1'	34.47	23.26	18.97	17.05	31.21	27.38
92369	'SPSB4'	0.09	0	0	0	0.1	0
92370	'PXYLP1'	6.81	5.37	10.31	3.75	8.92	3.9
9238	'TBRG4'	33.62	22.65	46.84	28.17	25.36	38.74
92399	'MRRF'	16.04	14.03	16.08	13.63	13.87	15.41
924	'CD7'	1596.5	1545.7	955.4	1081	1485.44	677.77
9240	'PNMA1'	23.41	18.02	18.81	21.96	21.57	36.43

92400	'RBM18'	25.6	22.75	14.2	19.11	17.92	24.7
9241	'NOG'	0.07	0.05	0.11	0	1.5	0
9242	'MSC'	54.48	56.28	51.78	42.36	34.95	155.84
92421	'CHMP4C'	1.55	1.01	0.44	0.26	0.29	0.32
9245	'GCNT3'	0.03	0.02	0.02	0.09	0	0.04
9246	'UBE2L6'	162.62	129.23	226.83	172.48	122.91	361.19
92482	'BBIP1'	10.24	12.83	17.11	14.24	12.42	13.56
92483	'LDHAL6B'	0.32	0	0.06	0	0	0.07
9249	'DHRS3'	28.13	28.21	22.75	22.27	52.28	14.68
925	'CD8A'	264.98	233.27	350.49	560.46	569.95	648.35
9252	'RPS6KA5'	29.02	13.83	12.59	15.22	17.25	17.33
92521	'SPECC1'	2.12	1.83	2.62	1.18	2.26	1.55
9253	'NUMBL'	1.38	1.32	1.9	1.26	4.43	3.02
9254	'CACNA2D2	2.51	1.31	0.93	1.66	1.56	1.18
9255	'AIMP1'	32.67	27.3	28.3	27.3	27.81	32.72
92558	'BICDL1'	10.38	7.62	9.59	13.52	14.05	18.14
9256	'TSPOAP1'	19.59	14.61	9.93	6.29	7.49	10.04
92565	'FANK1'	0.2	0.23	0.15	0	0.66	0.24
92579	'G6PC3'	51.02	51.09	45.66	39.88	21.39	39.17
9258	'MFHAS1'	75.38	45.56	42.3	40.16	38.6	54.43
92591	'ASB16'	1.13	0.62	1.31	0.18	2.59	1.7
92595	'ZNF764'	12.46	7.73	7.02	9.75	6.15	7.95
92597	'MOB1B'	8.8	7.25	4.71	4.66	4.85	7.26
926	'CD8B'	94.64	116.08	115.76	195.38	222.78	193.39
9260	'PDLIM7'	41.27	35.13	49.67	19.72	47.72	38.81
92609	'TIMM50'	53.4	41.71	58.2	44.47	23.33	48.91
9261	'MAPKAPK2	120.35	103.62	83.79	103.59	98.15	124.62
92610	'TIFA'	9.19	9.74	7.98	8.64	10.54	10.64
9262	'STK17B'	334.08	166.87	181.9	203.41	123.5	327.88
9263	'STK17A'	82.03	71.48	70.38	76	109.82	118.37
9265	'CYTH3'	3.44	2.69	1.27	4.9	3.09	3.96
9266	'CYTH2'	62.4	49.95	53.14	55.26	35.7	67.99
92667	'MGME1'	31.96	21.32	30.23	18.22	42.21	38.81
9267	'CYTH1'	171.48	113.92	120.81	122.95	151.1	190.82
92675	'DTD1'	21.35	23.93	23.43	20.76	22.73	20.44
92689	'FAM114A1	0.18	0.13	0.15	0.29	0.13	0.22
92691	'TMEM169'	0.27	0.06	0.16	0.3	0.33	0.3
927	'CD8B2'	0.72	0.87	1.24	1.59	2.04	1.37
9270	'ITGB1BP1	64.43	51.93	81.72	61.35	52.85	66.64
92703	'TMEM183A	45.37	43.45	47.3	45.07	38.55	43.03
9271	'PIWIL1'	0	0	0.03	0.04	0	0
92714	'ARRDC1'	46.17	46.94	50.97	33.06	58.8	67.19
92715	'DPH7'	24.73	24.48	16.9	25.35	20.22	28.43
92736	'OTOP2'	0.12	0	0.37	0	0.05	0.66
9274	'BCL7C'	125.03	155.23	106.35	163.24	122.72	110.67
92745	'SLC38A5'	88.63	70.72	89.07	64.92	62.83	100.42
92749	'DRC1'	0.06	0.09	0.14	0	0.05	0.05
9275	'BCL7B'	144.74	135.3	148.43	114.89	93.96	146.04
9276	'COPB2'	58.66	36.44	54.35	42.31	76.91	64.86
9277	'WDR46'	45.03	35.38	44.93	35.46	17.42	49.11
9278	'ZBTB22'	8.88	9.65	11.38	9.35	15.42	15.98
92797	'HELB'	4.14	2.54	2.13	2.37	2.49	6.01
92799	'SHKBP1'	139.7	129.41	137.76	82.21	121.13	158.66
928	'CD9'	20.16	17.55	24.82	5.99	10.1	13.16

92806	'CENPBD1'	4.96	2.69	3.3	3.07	7.07	4.91
92815	'H2AW'	30.49	43.68	39.47	31.48	56.87	39.15
9282	'MED14'	20.66	13.36	12.84	9.43	10.58	13.72
92822	'ZNF276'	80.47	42.22	28.18	44.4	26.05	53.85
9283	'GPR37L1'	0.12	0.03	0.03	0.01	0.06	0.07
9284	'NPIPA1'	37.04	27.98	60.24	33.94	58.39	41.47
92840	'REEP6'	2.14	4.46	2.39	3.61	4.6	2.63
92856	'IMP4'	58.04	52.19	53.76	50.64	24.11	49.71
9289	'ADGRG1'	65.18	51.56	26.77	36.12	49.51	64.75
929	'CD14'	1.51	1.47	0.88	1.28	0.42	1.7
9290	'GPR55'	8.06	9.21	7.76	3.69	29.45	17.88
92906	'HNRNPLL'	38.25	26.22	23.2	26.96	18.84	35.32
92912	'UBE2Q2'	33.93	31.85	37.7	23.09	32.64	38.86
92922	'CCDC102A	24.69	21.3	21.22	13.72	23.49	23.12
9293	'GPR52'	0.36	0.27	0.07	0.19	0.14	0.08
92935	'MARS2'	11.52	7.8	5.58	10.25	5.75	8.21
9294	'S1PR2'	1.9	2.03	1.79	0.88	3.35	4.93
92949	'ADAMTSL1	0	0	0	0	0.02	0
9295	'SRSF11'	175.4	143.98	96.18	131.77	117.26	132.03
9296	'ATP6V1F'	340.3	391.89	396.92	300.06	337.92	434.82
92960	'PEX11G'	0.58	0.76	1.78	0.74	2.51	2.65
92979	'MARCHF9'	11.54	11.67	9.68	12.31	21.68	17.65
92999	'ZBTB47'	0.76	0.73	0.27	0.46	0.35	0.43
93	'ACVR2B'	1.35	0.76	0.72	0.62	2.33	1.26
930	'CD19'	1.04	0.32	1.38	0.65	0.8	7.21
93010	'B3GNT7'	7.57	4.52	1.37	1.9	2.33	1.55
93034	'NT5C1B'	0.34	0.18	0.04	0.21	0.07	0.13
93035	'PKHD1L1'	0.03	0.01	0.04	0.02	0.04	0.04
93058	'COQ10A'	23.33	27.79	18.25	28.76	27.73	21.2
9306	'SOCS6'	4.22	3.38	2.81	1.89	1.66	2.64
9308	'CD83'	22.31	24.71	30.29	20.99	12.19	43.44
93081	'TEX30'	28.05	29.18	45.57	25.61	29.22	30.41
93082	'NEURL3'	0.1	0	0.44	0.28	0.25	0.43
93099	'DMKN'	0.19	0.85	0.57	0.52	0.88	0.51
931	'MS4A1'	3.05	1.49	6.3	4.92	1.37	25.04
9310	'ZNF235'	5.71	7.65	3.6	3.56	5.79	5.64
93100	'NAPRT'	2.14	1.85	7.27	10.76	30.12	54.86
93109	'TMEM44'	4.38	4.33	3.41	1.77	5.89	4.75
9311	'ASIC3'	2.25	2.4	1.36	1.79	1.94	2.89
93129	'ORAI3'	14.59	12.58	17.6	8.85	48.94	15.99
93134	'ZNF561'	4.42	2.92	4.37	3.44	9.86	7.95
9314	'KLF4'	2.02	0.93	2.23	2.69	0.03	3.26
93145	'OLFM2'	0.41	0.31	1.22	0.57	9.59	1.72
9315	'NREP'	4.25	3.87	3.13	1.62	12.42	0.76
93166	'PRDM6'	0.01	0	0	0.02	0.01	0.05
9317	'PTER'	9.25	5.49	6.63	6.13	10.13	8.48
9318	'COPS2'	17.97	14.55	17.77	16.66	20.78	24.38
93183	'PIGM'	1.6	0.93	1.44	1.16	3.03	2.32
93185	'IGSF8'	18.66	19.02	21.06	11.63	13.59	23.77
9319	'TRIP13'	18.49	8.32	31.51	9.99	8.73	12.76
93190	'C1orf158	0.07	0.03	0	0.03	0.08	0
932	'MS4A3'	0.22	0.34	18.95	0.55	0.07	0.79
9320	'TRIP12'	52.53	29.47	27.56	27.72	30.65	42.03
9321	'TRIP11'	9.94	5.03	4.85	6.09	5.68	9.05

93210	'PGAP3'	20.16	19.1	15.64	14.88	16.15	17.5
9322	'TRIP10'	12.85	11	17.92	7.25	25.63	23.01
93233	'CCDC114'	0.54	0.7	0.37	0.35	1.1	0.58
9324	'HMGN3'	138.74	144.35	128.21	114.88	105.56	111.48
9325	'TRIP4'	27.04	22.81	25.48	20.55	26.89	33.59
9326	'ZNHIT3'	84.25	86.03	80.17	87.17	105.05	76.91
93273	'LEMD1'	0.29	0	0	0.15	0	0.16
9328	'GTF3C5'	79.08	66.1	77.72	51.59	75.99	65.06
9329	'GTF3C4'	8.67	5.9	5.52	5.92	6.54	7.99
933	'CD22'	0.25	0.16	0.84	0.3	0.2	2.18
9330	'GTF3C3'	16.27	12.2	14.96	9.6	11.32	16.55
9331	'B4GALT6'	2.19	2.3	0.7	0.71	0.59	0.39
93323	'HAUS8'	18.53	14.26	34.81	13.5	16.03	19.52
9333	'TGM5'	2.1	1.64	0.78	2.15	0.76	0.79
9334	'B4GALT5'	83.01	40.9	32.24	39.54	44.53	65.21
93343	'MVB12A'	28.48	29.24	44.55	25.04	39.16	49.2
93349	'SP140L'	42.97	40.69	32.93	35.51	34.59	54.34
9337	'CNOT8'	79.91	72.69	67	67.24	75.91	79.33
9338	'TCEAL1'	6.83	7.71	6.8	9.63	9.15	8.91
93380	'MMGT1'	16.88	13.79	12.38	12.48	13.52	15.7
9341	'VAMP3'	24.62	22.74	23.06	25.21	28.58	39.63
9342	'SNAP29'	37.76	23.2	23.05	19.22	31.63	28.4
93426	'SYCE1'	0	0	0	0.08	0	0
9343	'EFTUD2'	60.35	35.75	52.67	34.15	29.43	47.32
93436	'ARMC6'	28.69	15.37	21.26	16.81	9.03	22.96
9344	'TAOK2'	32.15	18.19	16.65	14.73	21.34	21.49
93474	'ZNF670'	0.33	0.25	0.54	0.44	1.29	0.55
93487	'MAPK1IP1	178.13	101.14	107.83	89.61	114.93	157.52
9349	'RPL23'	396.11	540.33	559.46	819.09	537.66	506.53
93492	'TPTE2'	0.14	0.05	0	0	0.22	0.12
9351	'SLC9A3R2	1.78	1.57	1.77	0.93	3.76	2.4
93517	'SDR42E1'	4.17	1.95	1.58	2.13	2.41	1.95
9352	'TXNL1'	79.27	70.67	76.1	65.8	112.9	87.61
9354	'UBE4A'	25.4	17.6	15.51	16.56	33.23	26.17
93550	'ZFAND4'	9.54	6.04	4.84	6.76	4.23	8.65
9358	'ITGBL1'	0	0	0	0	0.05	0
93587	'TRMT10A'	2.74	2.22	2.77	1.64	2.59	1.83
93589	'CACNA2D4	2.75	4.86	3.31	2.7	2.21	3
93594	'TBC1D31'	14.93	13.12	12.23	11.38	12.12	18.46
9360	'PPIG'	35.71	23.46	26.18	23.14	28.6	32.65
9361	'LONP1'	52.09	30.58	48.94	23.09	63.26	39.62
93611	'FBXO44'	42.91	62.02	31.63	48.41	71.19	77.7
9362	'CPNE6'	0	0	0.03	0.05	0	0.06
93621	'MRFAP1'	97.57	87.36	109.87	101.33	135.61	144.91
93624	'TADA2B'	24.83	17.83	14.2	18.67	20.58	27.05
93627	'TBCK'	4.94	3.25	3.26	2.21	6.1	6.72
9363	'RAB33A'	32.7	25	62.8	23.81	78.98	44.77
9364	'RAB28'	16.3	17.4	17.69	20.59	18.26	22.53
93643	'TJAP1'	48.88	38.63	29.85	32.96	42.17	47.84
9365	'KL'	0.03	0	0.04	0.06	0	0.02
93663	'ARHGAP18	14.96	13.51	16.96	13.54	19.76	15.48
9367	'RAB9A'	27.73	29.6	17.94	32.38	30.68	31.1
9368	'SLC9A3R1	311.32	244.39	385.11	202.2	394.47	373.06
9369	'NRXN3'	0.03	0.03	0.01	0	0.03	0

9370	'ADIPOQ'	0	0	0	0	0	0.02
9371	'KIF3B'	25.11	16.56	11.96	16.04	11.64	15.87
9372	'ZFYVE9'	1.01	0.98	0.4	1.34	0.99	1.31
9373	'PLAA'	22.86	17.69	17.68	14.12	13.02	21.56
9374	'PPT2'	15.44	16.5	16.57	11.17	11.4	15.26
9375	'TM9SF2'	113.45	73.49	92.83	72.28	65.63	84.87
9377	'COX5A'	189.84	173.03	250.05	169.49	130.83	199.86
9379	'NRXN2'	0.02	0.03	0	0	0.06	0.08
9380	'GRHPR'	82.71	85.35	146.65	45.31	102.15	105.3
9381	'OTOF'	1.39	1.13	2.54	6.26	2.97	32.18
9382	'COG1'	16.78	14.78	13.26	10.78	22.64	17.22
9388	'LIPG'	0.04	0.03	0.03	0.04	0.06	0.09
9389	'SLC22A14	0	0.05	0.05	0.05	0.1	0.12
939	'CD27'	35.82	52.03	39.78	68.94	62.34	90.36
9390	'SLC22A13	0.3	0	0.03	0.03	0.17	0
9391	'CIAO1'	34.21	25.51	27.77	27.22	32.7	38.02
9392	'TGFBRAP1	34.92	22.31	15.3	18.78	15.53	20.01
9394	'HS6ST1'	7.15	4.52	7.8	3.4	10.99	6.15
93953	'GCNA'	3.48	3.15	3.74	2.83	2.61	3.55
9397	'NMT2'	10.46	11.82	11.66	8.29	23.56	20.37
93973	'ACTR8'	18.55	13.16	10.42	12.41	15.54	16.36
93974	'ATP5IF1'	293.46	426.27	499.32	402.26	390.21	388.03
93979	'CPA5'	0	0	0	0.05	0	0
9398	'CD101'	1.51	0.68	7.7	9.55	2.68	9.9
93986	'FOXP2'	0	0.01	0.01	0	0.05	0.09
9399	'STOML1'	3.7	2.94	4.14	2.88	2.54	4.69
94	'ACVRL1'	0	0	0	0.05	0	0
940	'CD28'	14.92	10.16	7.12	22.32	13.49	48.9
9400	'RECQL5'	5.74	5.41	8.59	4.65	14.97	10.59
94005	'PIGS'	52.18	44.75	52.79	28.79	48.43	45.93
9401	'RECQL4'	23.56	15.82	25.02	7.89	21.66	12.37
94015	'TTYH2'	6.79	5.51	7.77	2.36	19.53	16.75
9402	'GRAP2'	31.46	22.18	40.98	35.61	65.54	58.18
94025	'MUC16'	0.02	0.03	0.02	0.05	0	0.14
94027	'CGB7'	0	0	0	0	0.06	0.17
9403	'SELENOF'	215.83	191.47	209	188.14	182.34	242.57
94030	'LRRC4B'	0.13	0.06	0	0.09	0.03	0.04
94031	'HTRA3'	0	0	0.39	0.07	0.04	0.14
94032	'CAMK2N2'	0.69	0.22	0.59	0.49	0.77	0.95
94039	'ZNF101'	14.77	16.03	21.55	21.02	20.62	35.29
9404	'LPXN'	290.27	197.45	214.76	218.07	205.42	362.66
94056	'SYAP1'	13.32	13.76	10.92	7.59	11.19	14.67
94059	'LENG9'	1.26	2.4	3.15	1.62	4.21	4.51
9406	'ZRANB2'	55.16	48.81	43.96	53.44	88.22	54.36
9407	'TMPRSS11	0	0	0	0	0	0.03
94081	'SFXN1'	84.81	40.49	74.14	42.06	61.59	61.55
94086	'HSPB9'	0.41	0.62	0.91	0.29	0.63	0.36
9409	'PEX16'	43.2	48.41	49.83	42.89	46.42	58.18
94097	'SFXN5'	11.07	5.97	6.46	3.29	5.61	3.86
941	'CD80'	10.55	2.9	7.58	2.2	4.69	13.8
9410	'SNRNP40'	42.78	29.05	60.02	30.89	33.32	43.52
94101	'ORMDL1'	48.61	54.2	38.38	47.66	58.91	50.31
94103	'ORMDL3'	145.91	121.37	87.7	74.17	137.17	170.96
94104	'PAXBP1'	39.02	30.36	22.79	29	20.1	26.19

94107	'TMEM203'	34.44	31.21	38.19	40.95	32.22	38.88
94115	'CGB8'	0	0	0	0	0	0.2
9412	'MED21'	10.01	6.59	5.43	6.21	6.75	7.97
94120	'SYTL3'	169.45	201.05	97.76	107.48	358.02	126.19
94121	'SYTL4'	0	0	0.05	0	0	0
9413	'FAM189A2	0.08	0.17	0	0	0	0
94134	'ARHGAP12	3.8	4.68	3.58	4.22	8.11	9.19
94137	'RP1L1'	0.02	0	0.01	0.05	0	0.04
9414	'TJP2'	3.36	2.56	7.6	0.77	11.68	7.72
9415	'FADS2'	302.5	142.52	295.02	83.02	56.34	127.55
9416	'DDX23'	76.29	55.89	70.34	45.23	68.94	70.84
9419	'CRIPT'	2.79	2.6	2.5	2.15	3.14	2.74
942	'CD86'	33.01	14.14	36.17	8.22	22.58	26.87
9420	'CYP7B1'	0.36	0.04	0.06	0.01	0.01	0.01
9422	'ZNF264'	5.17	3.1	1.84	3.82	3.65	3.13
9423	'NTN1'	0.14	0.16	0.05	0.07	0.11	0.11
94235	'GNG8'	0.7	1.58	3.06	18.52	1.29	10.22
94239	'H2AZ2'	138.54	89.88	136.04	68.86	65.52	96.96
9424	'KCNK6'	8.58	5.19	7.27	4.31	9.66	9.78
94240	'EPSTI1'	40.89	26.54	44.33	43.31	31.17	97.82
94241	'TP53INP1	13.88	12.48	4.79	11.47	27.12	25.82
9425	'CDYL'	24.79	21.84	18.59	16.88	17.65	17.62
94274	'PPP1R14A	0	0.3	0	0.28	0	0
9429	'ABCG2'	1.26	0.49	1.75	1.32	0.35	1.25
943	'TNFRSF8'	11.81	6.72	48.04	1.94	2.68	11.53
9435	'CHST2'	3.73	3.95	3.07	1.98	2.16	5.16
9436	'NCR2'	4.34	4.67	7.93	2.88	2.77	2.17
9437	'NCR1'	22.8	15.48	6.57	7.7	19.88	4.33
9439	'MED23'	29.73	23.01	13.92	18.32	18.99	21.96
944	'TNFSF8'	60.78	68.46	45.6	109.1	34.18	217.26
9440	'MED17'	15.13	12.88	8.11	13.07	10.97	9.14
9441	'MED26'	21.49	18.47	13.14	17.38	17.45	20
9442	'MED27'	39.92	30.39	45.89	38.16	20.12	47.78
9443	'MED7'	8.62	6.95	11.83	6.98	20.57	11.92
9444	'QKI'	46.83	22.4	19.51	19.45	28	26.19
9445	'ITM2B'	103.2	97.83	70.91	104.17	105.16	139.36
9446	'GSTO1'	89.77	110.83	165.28	98.01	104.56	113.97
9447	'AIM2'	1.35	1.65	2.53	1.86	11.45	7.35
9448	'MAP4K4'	27.63	16.66	16.99	17.88	18.01	29.95
945	'CD33'	4.96	4.64	13.91	0.73	5.41	4.28
9450	'LY86'	0.39	0.9	1.46	1.24	0.15	1.21
9451	'EIF2AK3'	48.82	38.84	30.64	30.51	27.19	41.98
9452	'ITM2A'	106.41	82.36	95.5	58.57	110.95	119.66
9453	'GGPS1'	15.5	13.68	14.66	15.65	14.97	17.59
9454	'HOMER3'	0.69	0.78	0.54	0.57	1.77	2.3
9455	'HOMER2'	1.84	2.39	3.49	1	4.61	6.21
9456	'HOMER1'	0.57	0.46	0.87	0.93	0.67	1.19
9459	'ARHGEF6'	77.42	43.61	66.63	26.65	52.22	53.6
946	'SIGLEC6'	1.36	1.79	4.54	0.6	1.8	2.6
9462	'RASAL2'	0	0	0.01	0.06	0	0.04
9463	'PICK1'	6.25	5.12	7.6	7.07	5.57	12.53
9465	'AKAP7'	10.24	10.29	6.42	6.97	12.41	6.72
9466	'IL27RA'	34.42	23.35	26.56	21.67	30.11	38.82
9467	'SH3BP5'	53.66	37.78	65.94	34.98	43.85	93.39

9468	'PCYT1B'	0.05	0.03	0.05	0.03	0	0
9469	'CHST3'	0	0	0.01	0.02	0	0
947	'CD34'	0.11	0.1	0.07	0.09	0.06	0.14
9470	'EIF4E2'	92.31	69.7	97.04	58.71	61.44	74.15
9472	'AKAP6'	0	0	0.02	0	0	0.06
9473	'THEMIS2'	55.63	47.47	16.44	34.02	113.01	76.83
9474	'ATG5'	40.62	39.3	42.44	40.05	34.42	42.85
9475	'ROCK2'	9.8	5.97	6.77	4.75	6.86	8.04
9476	'NAPSA'	1.29	1.22	1.76	2.57	1.03	3.57
9477	'MED20'	6.87	5.22	8.28	4.92	13.2	8.41
9478	'CABP1'	0.09	0.07	0	0	0.23	0
9479	'MAPK8IP1	1.35	1.76	1.1	1.27	0.79	2.92
948	'CD36'	0.25	0.17	1.37	0.02	0	0
9480	'ONECUT2'	0.04	0.01	0	0	0	0
9481	'SLC25A27	0	0	0	0.03	0.07	0
9482	'STX8'	47.16	67.37	75.96	59.39	61.34	75.47
9486	'CHST10'	14.06	14.16	11.11	9.64	7.8	7.86
9487	'PIGL'	10.69	11.31	6.81	8.47	7.27	8.18
9488	'PIGB'	20.31	22.78	15.1	18.28	15.45	21.44
9489	'PGS1'	22.07	15.36	21.53	16.48	22.5	28.63
949	'SCARB1'	5.55	4.16	11.09	3.69	10.6	4.76
9491	'PSMF1'	34.57	25.99	28.97	25.33	29.05	31.81
9493	'KIF23'	33.65	17.41	34.27	14.74	8.12	15.35
9495	'AKAP5'	1.57	1.42	1.16	1.29	2.98	1.81
9497	'SLC4A7'	18.43	19.45	16.39	11.43	19.64	21.09
9498	'SLC4A8'	3.3	2.03	2.05	1.12	1.11	1.51
9499	'MYOT'	0.06	0.12	0	0.04	0.04	0.07
95	'ACY1'	12.27	15.05	17.47	10.98	16.93	12.98
950	'SCARB2'	19.36	10.18	11.36	13.05	10.34	19.08
9500	'MAGED1'	39.94	30.02	29.59	23.61	34.79	36.78
9501	'RPH3AL'	0.46	0.27	0.61	0.61	0.6	0.88
9507	'ADAMTS4'	0.27	0.07	0.18	0.13	0.3	0.87
9509	'ADAMTS2'	0	0	0	0	0	0.02
951	'CD37'	452.54	521.78	418.43	510	989.11	580.25
9510	'ADAMTS1'	24.5	18.39	9.74	4.28	3.07	4.89
9512	'PMPCB'	58.98	42.79	46.78	42.62	44.74	45.11
9513	'FXR2'	27.18	20.74	19.63	20.56	26.02	22.57
9514	'GAL3ST1'	0.17	0	0	0	0.07	0
9515	'STXBP5L'	0.07	0.03	0.01	0.03	0.08	0
9516	'LITAF'	107.38	81.52	124.05	125.45	186.54	137.47
9517	'SPTLC2'	16.01	10.91	13.55	10.06	8.92	16.11
9518	'GDF15'	0.88	0.38	0.93	0.18	0.88	0
9519	'TBPL1'	25.19	29.27	29.63	24.57	24.79	31.16
952	'CD38'	24.68	11.56	38.88	11.32	5.05	17.92
9520	'NPEPPS'	39.64	25.4	22.54	28.83	49.64	40.22
9521	'EEF1E1'	41.24	33.1	38.31	26.09	11.97	27.97
9522	'SCAMP1'	6.9	5.1	4.92	6.55	12.99	9.1
9524	'TECR'	356.51	367.53	395.43	213.91	338.15	284.78
9525	'VPS4B'	51.63	34.72	25.38	37.55	42.35	45.67
9526	'MPDU1'	140.07	113.8	133.46	99.59	74.51	122.92
9527	'GOSR1'	20.61	13.82	14.14	13.82	13.62	20.19
9528	'TMEM59'	55.78	51	45.51	49.38	76.59	63.23
9529	'BAG5'	14	10.45	12.06	11.71	12.56	13.49
953	'ENTPD1'	124.24	44.62	33.02	20.71	12.28	64.93

9530	'BAG4'	5.73	4.07	4.71	4.16	7.54	4.51
9531	'BAG3'	17.29	17.34	12.17	13.87	18.92	39.78
9532	'BAG2'	8.23	5.3	11.01	5.98	11.11	8.58
9533	'POLR1C'	15.96	18.93	16.96	21.15	11.44	18.7
9534	'ZNF254'	7.21	9.93	4.92	7.07	5.01	3.99
9535	'GMFG'	527.01	785.37	921.45	706.14	711.5	763.48
9536	'PTGES'	0	0.06	0	0	0	0
9537	'TP53I11'	2.49	3.95	2.34	6.73	2.78	5.72
9538	'EI24'	52.39	35.83	37.88	39.57	46.7	36.06
954	'ENTPD2'	0.07	0	0	0	0.55	0.17
9540	'TP53I3'	3.52	4.54	6.37	2.35	9.66	10.59
9541	'CIR1'	42.76	53.77	39.69	56.87	59.53	53.38
9542	'NRG2'	0	0	0	0.23	0	0.04
9545	'RAB3D'	2.9	2.15	3.9	1.68	3.59	2.1
9546	'APBA3'	29.88	28.08	31.58	21.94	65.36	56.08
955	'ENTPD6'	20.54	19.77	19.32	19.6	33.18	34.24
9550	'ATP6V1G1	110.69	100.29	122.27	139.67	115.88	184.12
9551	'ATP5MF'	867.22	985.37	1278.3	996.8	551.99	1023.19
9552	'SPAG7'	66.51	79.2	111.7	87.71	65.39	113.07
9553	'MRPL33'	82.08	112.73	117.27	106.22	95.54	95.85
9554	'SEC22B'	20.96	12.61	18.77	13.44	26.88	22.57
9555	'MACROH2A	313.85	207.6	330.92	158.1	151.32	196.59
9556	'ATP5MPL'	198.17	227.21	270.4	226.21	130.1	190.93
9557	'CHD1L'	52.27	50.83	49.98	34.99	32.12	45.86
9559	'VPS26A'	30.78	22.33	29.64	19.83	30.09	31.71
956	'ENTPD3'	0	0.03	0	0	0.07	0.04
9560	'CCL4L2'	76.23	124.47	74.89	24.97	47.33	46.97
9562	'MINPP1'	9.11	8.15	10.42	6.18	14	8.93
9563	'H6PD'	10.82	7.52	5.48	5.01	13.63	6.23
9564	'BCAR1'	0	0	0.02	0.07	0	0
9567	'GTPBP1'	38.72	20.02	21.04	20.78	29.84	34.31
95681	'CEP41'	2.98	2.4	5.76	1.69	3.03	3.95
9569	'GTF2IRD1	0.12	0.06	0.18	0.32	0.24	1.51
957	'ENTPD5'	5.72	5.25	6.11	3.41	5.47	5.94
9570	'GOSR2'	39.71	20.72	41.61	26.42	32.21	37.85
9572	'NR1D1'	21.98	18.75	8.79	23.04	7.01	60.17
9575	'CLOCK'	5.23	3.32	3.34	2.55	3.12	7.04
9576	'SPAG6'	0.87	0.95	1.4	0.92	1.07	1.38
9577	'BABAM2'	69.13	64.12	67.76	52.91	73.65	73.79
9578	'CDC42BPE	0.28	0.15	0.46	0.15	0.11	1.81
958	'CD40'	1.37	0.58	2.23	2.4	1.21	5.62
9580	'SOX13'	3.27	3.26	2.36	1.78	3.12	2.48
9581	'PREPL'	5.32	3.33	6.11	4.24	12.69	6.28
9582	'APOBEC3E	95.34	51.24	112.24	18.84	69.86	18.83
9583	'ENTPD4'	38.49	28.73	17.77	25.08	29.27	36.33
9584	'RBM39'	217.63	221.45	166.39	211.31	121.64	236.15
9585	'KIF20B'	21.82	8.43	16.8	7.15	8.24	11.34
9586	'CREB5'	0.16	0.04	0	0.04	0	0.07
9587	'MAD2L1BP	21.16	21.64	23.71	23.82	31.22	32
9588	'PRDX6'	209.82	204.03	191.67	188.97	140.27	188.21
9589	'WTAP'	157.88	151.85	156.72	145.12	140.71	184.77
959	'CD40LG'	32.85	19.73	36.93	7.01	13.98	56.7
9590	'AKAP12'	0.14	0.03	0.55	0.06	0.22	0.17
9592	'IER2'	288.41	399.96	299.53	258.12	120.1	338.92

9595	'CYTIP'	463.28	336.3	324.35	320.29	371.41	451.36
960	'CD44'	263.24	188.87	142.72	264.14	176.37	281.87
9600	'PITPNM1'	44.18	37.1	42.99	22.44	55.09	68.74
9601	'PDIA4'	70.73	45.34	79.38	45.56	109.75	86.99
9603	'NFE2L3'	42.14	20.12	18.16	17.68	19.36	16.12
9604	'RNF14'	11.38	7.53	9.12	11.34	9.39	12.62
9605	'VPS9D1'	13.11	12.64	5.86	8.84	8.77	16.71
9609	'RAB36'	0.78	0.56	0.4	0.79	0.16	0.75
961	'CD47'	44.06	39.7	49.53	33.02	44.66	60.83
9610	'RIN1'	0.55	0.33	0.57	0.77	0.94	0.81
9611	'NCOR1'	50.36	22.51	28.65	20.64	34.35	43.34
9612	'NCOR2'	35.7	18.88	19.72	11.21	34.85	23.6
9616	'RNF7'	25.27	35.49	30.97	30.02	34.11	38.5
9617	'MTRF1'	19.17	12.93	11.64	13.56	17.14	17.06
9618	'TRAF4'	26.38	23.55	22.55	20.62	18.06	33.41
9619	'ABCG1'	10.4	4.71	7.91	17.32	19.18	35.87
962	'CD48'	976.88	1108.8	861.17	1122.45	1526.18	935.77
9620	'CELSR1'	0.38	0.08	0.06	0.05	0.08	0.19
9622	'KLK4'	0	0	0.08	0.14	0	0
9623	'TCL1B'	0	0	0	0.19	0	0.12
9625	'AATK'	0.58	0.35	0.04	0.09	0.1	0.13
9628	'RGS6'	3.79	1.72	1.67	0.77	1.13	2.62
963	'CD53'	1212	1144.2	904.44	828.41	1251.87	1020.09
9630	'GNA14'	0	0	0.06	0	0	0.07
9631	'NUP155'	13.29	6.09	7.85	5.42	5.04	7.37
9632	'SEC24C'	85.51	46.73	44.1	40.42	93.81	61.62
9633	'TESMIN'	1.28	2.52	2.01	1.46	4.42	2.99
9635	'CLCA2'	0	0.02	0.05	0	0	0
9636	'ISG15'	104.22	150.48	234.61	202.9	126.75	1091.56
9637	'FEZ2'	20.27	17.2	11.97	17.03	12.73	17.29
9638	'FEZ1'	57.69	38.75	17.02	28.9	16.72	13.71
9639	'ARHGEF1(	0.21	0.24	0.97	0.08	0.44	0.24
9640	'ZNF592'	36.98	18.28	19.28	15.2	18.66	23.19
9641	'IKBKE'	24.49	19.66	34.38	13.6	26.54	32.26
9643	'MORF4L2'	57.54	50.03	59.63	51.77	74.79	73.34
9644	'SH3PXD2A	2.2	1.1	1.53	1.38	4.2	3.48
9645	'MICAL2'	9.38	7.27	9.08	7.02	8.17	16.48
96459	'FNIP1'	25.93	11.3	7.07	15.45	9.56	11.22
9646	'CTR9'	21.5	13.19	21.66	15.67	35.33	28.18
9647	'PPM1F'	13.17	8.39	7.47	5.35	9.67	10.84
9648	'GCC2'	18.45	10.6	8.22	14.42	16.76	16.19
9649	'RALGPS1'	1.67	1.36	1.09	1.56	1.27	2.26
965	'CD58'	101.12	68.26	100.33	57.61	77.7	103.13
9650	'MTFR1'	7.55	5.14	6.55	4.27	6.94	7.03
9651	'PLCH2'	6.99	10.31	6.54	7.31	13.2	7.91
9652	'TTC37'	24.94	14.7	15.88	13.7	21.64	26.45
9653	'HS2ST1'	13.72	6.92	9.27	7.46	14.02	10.99
9654	'TTLL4'	8.3	5.07	6.02	5.56	5.03	8.19
9655	'SOCS5'	10.6	8.79	5.12	8.3	10.37	7.6
9656	'MDC1'	48.73	28.67	28.04	14.5	32.58	22
9657	'IQCB1'	21.25	18.13	23.55	20.15	15.28	19.34
9658	'ZNF516'	0.89	0.61	0.61	0.37	0.57	0.85
9659	'PDE4DIP'	30.94	15.04	8.12	16.56	20.4	17.94
966	'CD59'	62.66	40.66	48.24	38.4	29.55	72.07

9662	'CEP135'	10.66	6.55	5.55	5.6	5.35	7.58
9663	'LPIN2'	44.17	29.4	18.09	35.26	52.02	44.18
9665	'MARF1'	31.77	16.64	13.2	15.85	24.21	19.13
9666	'DZIP3'	5.43	6.73	7.18	4.43	10.75	5.95
9667	'SAFB2'	68.72	37.73	39.54	41.91	53.48	50.65
9668	'ZNF432'	7.15	7.64	5.1	3.51	5.51	8.39
9669	'EIF5B'	31.74	18.48	31.25	26.1	23.36	32.06
967	'CD63'	906.39	976.3	696.57	826.57	463.84	599.53
9670	'IPO13'	23.71	13.15	18.53	12.16	12.47	25.27
9671	'WSCD2'	0	0	0.25	0	0	0.1
9672	'SDC3'	0.05	0.04	0.09	0.07	0.04	0.07
9673	'SLC25A44	40.24	30.51	25.1	25.45	21.57	28.98
9674	'KIAA004(	47.74	36.28	37.95	29.12	44.16	51.78
9675	'TTI1'	15.84	9.14	11.3	8.36	13.14	13.62
96764	'TGS1'	16.55	11.41	13.05	13.96	12.16	17.91
9677	'PPIP5K1'	6.66	3.53	3.9	2.63	5.85	4.67
9678	'PHF14'	11.14	6.23	11.03	7.79	10.07	13.18
9679	'FAM53B'	32.6	23.57	33.41	26.81	41.86	57.27
968	'CD68'	40.16	58.18	44.58	48.87	176.14	40.64
9681	'DEPDC5'	10.21	5.82	5.95	4.79	6.09	6.6
9682	'KDM4A'	23.26	15.64	15.12	14.73	15.9	20.45
9683	'N4BP1'	39.19	23.89	19.97	35.95	32.15	55.34
9684	'LRRC14'	18.5	12.72	12.4	11.54	13.07	13.6
9685	'CLINT1'	30.99	21.48	31.81	18.85	23.24	35.6
9686	'VGLL4'	17.13	12.93	14.98	8.93	40.34	14.09
9687	'GREB1'	0.62	0.48	0.33	0.56	0.48	0.93
9688	'NUP93'	35.25	21.16	42.09	23.53	12.99	34.22
9689	'BZW1'	174.15	120.52	156.27	126.08	147.84	180.67
969	'CD69'	169.97	268.01	381.86	206.96	67.48	467.29
9690	'UBE3C'	56.74	27.64	31.24	27.44	24.85	33.99
9692	'PRORP'	28.88	25.93	30.76	19.37	21.98	43.16
9693	'RAPGEF2'	14.36	9.82	9.56	8.77	15.77	13.88
9694	'EMC2'	3.85	4.86	6.56	5.06	10.98	9.74
9695	'EDEM1'	48.76	25	25.09	25.5	40.45	32.85
9696	'CROCC'	11.84	10.64	5.39	7.75	10.9	11.57
9697	'TRAM2'	5.04	3.07	6.56	3.05	6.61	9.18
9698	'PUM1'	34.77	22.3	17.32	23.27	27.71	29.06
9699	'RIMS2'	0	0.01	0.01	0	0	0.04
97	'ACYP1'	9.04	12.87	24.12	9.66	23.15	10.64
970	'CD70'	142.85	119.58	249.26	54.5	252.55	249.25
9700	'ESPL1'	25.24	11.04	18.33	6.17	11.37	8.71
9701	'PPP6R2'	36.79	31.4	31.69	26.54	44.56	47.45
9702	'CEP57'	33.11	26.83	31.43	23.99	53.39	31.21
9703	'KIAA010(	50.35	29.58	35.79	25.2	30.39	45.48
9704	'DHX34'	6.43	4.48	5.33	3.92	5.29	9.08
9706	'ULK2'	10	6.51	5.16	4.48	4.04	6.19
9708	'PCDHGA8'	0	0	0.03	0.05	0.06	0
9709	'HERPUD1'	90.85	93.69	87.14	91.26	143.22	161.53
971	'CD72'	4.59	12.2	6.18	7.12	33.38	10.09
9710	'GARRE1'	8.95	4.8	3.65	4.62	12.74	9.83
9711	'RUBCN'	21.47	11.55	10.98	10.31	10.66	16.32
9712	'USP6NL'	1.16	0.62	1.05	0.77	0.96	1.9
9715	'FAM131B'	1.04	0.63	0.58	0.55	2.06	0.76
9716	'AQR'	13.36	7.53	8.45	7.06	9.99	10.29

9717 'SEC14L5'	0.02	0.04	0	0	0.03	0
9718 'ECE2'	0.04	0	0	0	0	0
9719 'ADAMTSL2	0.11	0.05	0.16	0.14	0.09	0.08
972 'CD74'	5004.1	4603.7	4252.6	3110.69	4317.19	3388.89
9720 'CCDC144A	0.56	0.24	0.13	0.36	0.74	0.61
9722 'NOS1AP'	0.05	0	0	0.03	0.02	0
9723 'SEMA3E'	0.07	0.06	0.02	0.11	0.09	0.12
9725 'TMEM63A'	23.7	24.34	17.14	14.78	94.76	50.83
9726 'ZNF646'	13.21	8.05	6.11	6.23	14.92	9
9727 'RAB11FIP	27.12	17.51	14.08	14.63	16.95	27.83
9728 'SECISBP2	30.16	16.08	10.05	14.39	15.15	25.7
9729 'KIAA0408	0	1.35	1.46	0.94	1.08	2.94
973 'CD79A'	24.25	7.18	66.28	9.55	7.88	207.31
9730 'DCAF1'	17.36	9.94	8.43	7.35	10.8	10.43
9731 'CEP104'	23.54	11.84	8.27	10.62	10.78	13.82
9732 'DOCK4'	0.09	0.04	0.01	0.07	0.04	0.11
9733 'SART3'	30.06	18.01	22.75	20.59	30.23	26.79
9734 'HDAC9'	2.69	2.07	1.36	1.29	0.63	3.13
9735 'KNTC1'	32.38	19.46	26.67	10.86	15.43	15.89
9736 'USP34'	47.33	20.86	18.47	19.49	26.86	26.61
9737 'GPRASP1'	0.7	0.81	0.54	1.31	0.74	1.63
9738 'CCP110'	15.65	7.93	10.98	7.71	22.97	13.57
9739 'SETD1A'	43.54	27.56	20.88	16.33	16.59	24.25
974 'CD79B'	50.14	70.86	71.84	45.68	30.44	79.88
9741 'LAPTM4A'	116.3	111.17	85.18	106.54	84.19	113.18
9742 'IFT140'	5.32	3.69	3.86	2.17	6.83	6.78
9743 'ARHGAP32	0.31	0.11	0.21	0.26	0.19	0.29
9744 'ACAP1'	240.61	253.61	213.07	182.31	357.66	323.2
9745 'ZNF536'	0	0	0	0.01	0	0
9746 'CLSTN3'	84.63	74.35	87.38	60.08	105.15	86.1
9747 'TCAF1'	5.09	3.69	4.31	4.04	11.19	9.6
9748 'SLK'	28.26	15.91	15.23	16.62	16.41	23.46
9749 'PHACTR2'	4.24	2.77	2.85	2.32	3.16	6.06
975 'CD81'	382.95	331.92	238.16	288.17	313.33	314.89
9750 'RIPOR2'	84.38	52.15	46.59	54.13	56.62	78.09
9751 'SNPH'	1.27	1.24	1.62	1.41	2.51	2.33
9752 'PCDHA9'	0.02	0	0.01	0.01	0.02	0.02
9753 'ZSCAN12'	6.32	3.41	2.16	4.19	4.24	4.6
9754 'STARD8'	2.49	1.01	0.92	0.3	0.95	1.18
9755 'TBKBP1'	6.37	9.97	5.02	8.09	10.07	10.97
9757 'KMT2B'	46.46	29.78	20.65	20.37	25.7	31.22
9759 'HDAC4'	3.91	3.85	4.97	2.86	13.52	9.38
976 'ADGRE5'	592.71	383.26	287.37	400.54	333.13	388.44
9760 'TOX'	72.91	39.44	23	32.45	33.81	20.58
9761 'MLEC'	25.21	15.84	29.97	14.54	31.75	22.91
9762 'LZTS3'	1.96	1.73	1.23	2.71	1.54	3.96
9764 'KIAA0513	2.46	1.49	2.28	3	5.4	3.26
9765 'ZFYVE16'	6.27	5.34	3.98	4.06	8.74	7.37
9766 'SUSD6'	55.76	32.56	27.19	26.12	42.05	46.87
9767 'JADE3'	0.16	0.08	0.34	0	0.23	0.7
9768 'PCLAF'	52.86	37.43	101.59	29.4	63.66	23.45
977 'CD151'	85.47	72.84	75.9	54.08	54.31	74.91
9770 'RASSF2'	28.18	20.66	30.49	15.94	28.24	40.69
9771 'RAPGEF5'	5.86	1.33	3.49	1.21	1.38	2.33

9772	'TMEM94'	52.34	40.67	31.57	26.37	45.04	45.68
9774	'BCLAF1'	100.2	62.71	53.1	64.77	44.8	82.02
9775	'EIF4A3'	97.1	76.68	134.67	66.73	75.52	99.98
9776	'ATG13'	57.33	40.57	33.45	36.04	37.1	47.45
9777	'TM9SF4'	34.7	24.42	24.42	23.05	33.73	30.88
9778	'KIAA023	21.53	12.43	10.61	13.6	14.88	15.85
9779	'TBC1D5'	20.15	10.09	12.48	11.43	14.64	19.61
978	'CDA'	0	0	0.48	0.45	0	0.19
9780	'PIEZO1'	55.32	30.3	46.9	17.52	45.25	63.22
9781	'RNF144A'	23.17	11.36	5.85	21.64	12.06	12.67
9782	'MATR3'	142.48	100.09	115.38	95.68	98.68	129.28
9783	'RIMS3'	1.94	1.86	1.02	2.9	1.36	2.88
9784	'SNX17'	84.82	82.04	102.83	63.39	86.65	106.09
9785	'DHX38'	66.57	48.92	35.5	35.59	34.02	51.54
9786	'KIAA058	8.55	3.88	5.52	2.9	6.82	6.99
9787	'DLGAP5'	28.54	12.53	43.84	11.18	11.79	16.78
9788	'MTSS1'	9.66	8.94	7.9	8.45	10.67	10.79
9789	'SPCS2'	79.19	59.67	78.59	64.59	97.14	84.72
9790	'BMS1'	41.7	30.35	31.89	31.22	18.34	35.76
9791	'PTDSS1'	58.89	45.07	54.34	36.79	59.7	48.96
9792	'SERTAD2'	36.84	22.91	15.5	20.96	20.87	20.67
9793	'CKAP5'	35.14	18.57	34.23	14.73	20.14	23.81
9794	'MAML1'	32.13	19.47	13.5	16.19	24.09	17.9
9796	'PHYHIP'	0.06	0	0	0	0	0
9797	'TATDN2'	58.07	33.07	29.78	41.12	35.51	41.72
9798	'IST1'	46.97	43.25	42.92	43.17	61.78	51.97
98	'ACYP2'	11.88	13.41	14.01	10.49	7.79	22.41
9801	'MRPL19'	8.65	6.29	9.18	5.76	5.74	8.49
9802	'DAZAP2'	706.87	489.99	405.99	562.04	388.08	519.01
9804	'TOMM20'	92.69	78.85	72.06	95.46	76.82	71.44
9805	'SCRN1'	11.73	6.36	3.2	3.53	1.63	4.2
9806	'SPOCK2'	169.98	139.55	161.91	132.54	253.05	351.37
9807	'IP6K1'	46.92	32.18	18.65	26.29	24.19	26.21
9810	'RNF40'	51.77	32.88	30.86	25.04	36.18	36.82
9811	'CTIF'	2.03	1.43	1.53	1.32	3.78	5.02
9812	'DELE1'	79.78	54.5	41.77	38.19	40.25	34.27
9813	'EFCAB14'	51.45	34.47	36.03	33.18	46.26	49.2
9814	'SFI1'	23.64	17.37	18.19	13.57	25.66	21.34
9815	'GIT2'	53.09	38.87	45.29	43.13	57.62	61.93
9816	'URB2'	9.44	5.17	3.69	5.01	1.33	4.71
9817	'KEAP1'	71.47	52.45	64.91	40.45	72.25	60.59
9818	'NUP58'	48.99	22.12	26.59	21.81	21.1	23.86
9819	'TSC22D2'	9.66	4.75	4.44	4.08	3.99	8.65
9820	'CUL7'	7.42	4.39	4.71	3.82	10.48	6.17
9821	'RB1CC1'	23.34	15.19	8.09	13.19	14.25	16.61
9823	'ARMCX2'	0.35	0.08	0.62	0.07	1.88	0.61
9824	'ARHGAP11	33.87	15.21	25.08	12.96	10.95	17.72
9825	'SPATA2'	12.26	11.44	10.53	8.98	6.52	15.28
9826	'ARHGEF11	0.99	0.44	1.79	0.41	1.47	3.68
9827	'RGP1'	12.64	6.05	8.21	4.75	12.52	11.83
9828	'ARHGEF17	0.05	0.05	0.09	0.02	0.09	0.04
9829	'DNAJC6'	1.91	1.64	1.49	1.55	1.34	1.79
983	'CDK1'	57.11	32.23	94.38	26.16	47.34	33.06
9830	'TRIM14'	25.11	14.54	22.24	21.17	20.85	54.83

9831	'ZNF623'	8.32	4.23	2.95	3.66	7.77	7.23
9832	'JAKMIP2'	1.69	1.35	1.59	1.93	2.22	3.74
9833	'MELK'	38.6	19.84	44.94	19.54	15.7	22.48
9836	'LCMT2'	2.28	1.29	2.57	1.57	1.54	2.89
9837	'GINS1'	4.45	1.73	7.18	2.25	4.2	3.17
9839	'ZEB2'	13.95	8.15	4.68	7.44	12.84	7.84
984	'CDK11B'	57.28	50.61	49.86	34.27	36.57	57.91
9840	'TESPA1'	29.86	24.27	31.33	20.4	25.52	44.4
9841	'ZBTB24'	11.85	9.34	9.75	10.74	14.18	15.95
9842	'PLEKHM1'	56.83	33.47	21.64	26.7	37.16	40.53
9843	'HEPH'	0.03	0	0.04	0	0.12	0.21
9844	'ELMO1'	37.03	20.25	43.27	18.9	28.9	41.26
9846	'GAB2'	38.33	14.96	10.9	13.75	12.79	9.2
9847	'C2CD5'	27.12	26.5	21.57	21.97	22.66	23.53
9848	'MFAP3L'	0.13	0.04	0.1	0.21	0.05	0.54
9849	'ZNF518A'	9.51	6.11	5.8	8.97	5.69	10.1
9851	'KIAA075	7.58	5.34	3.52	6.08	6.04	4.94
9852	'EPM2AIP1	11.83	5.52	6.36	8.09	11.39	11.07
9853	'RUSC2'	3.92	2.1	1.69	0.96	0.46	1.38
9854	'C2CD2L'	31.78	23.27	19.32	20.39	12.46	17.68
9855	'FARP2'	1.98	1.3	0.88	0.93	2.04	2.35
9856	'KIAA031	0.04	0.03	0.09	0.01	0.03	0
9857	'CEP350'	21.15	9.1	7.51	8.17	14.07	13.16
9858	'PPP1R26'	1.84	1.37	1.61	0.46	1.17	1.59
9859	'CEP170'	5.61	3.03	3.52	3.19	6.18	5.62
9860	'LRIG2'	3.57	3.28	1.73	2.66	2.49	3.51
9861	'PSMD6'	106.72	89.89	118.38	88.54	59.32	121.54
9862	'MED24'	65.24	37.59	55.37	30.35	36.4	56.46
9863	'MAGI2'	0.22	0.16	0.2	0.07	0.07	0.27
9865	'TRIL'	0.02	0.06	0	0	0	0.02
9866	'TRIM66'	4.09	2.45	1.93	1.48	6.92	5.04
9867	'PJA2'	35.25	26.22	25.92	25.8	61.06	36.57
9868	'TOMM70'	28.27	16.84	22.74	21.12	21.48	24.02
9869	'SETDB1'	20.58	13.16	12.55	11.78	16.64	16.93
987	'LRBA'	19.62	12.36	15.47	13.11	17.58	16.92
9870	'AREL1'	33.11	18.33	18.34	16.48	14.6	22.22
9871	'SEC24D'	30.16	15.87	17.17	10.96	40.82	26.05
9873	'FCHSD2'	17.26	12.15	13.09	10.55	12.13	18.49
9874	'TLK1'	23.96	18.01	24.49	13.74	23.93	32.15
9875	'URB1'	7.83	3.21	3.72	2.97	1.56	4.14
9877	'ZC3H11A'	99.5	69.94	49.9	60.4	82.28	86.67
9878	'TOX4'	40.79	25.9	28.85	22.29	40.51	40.04
9879	'DDX46'	47.62	21.97	29.58	20.68	21.25	30.52
988	'CDC5L'	13.92	11.29	12.53	11.87	14.73	14.8
9880	'ZBTB39'	9.41	5.49	3.3	5.27	3.53	4.02
9881	'TRANK1'	12.48	6.24	7.53	8.49	15.15	18.72
9882	'TBC1D4'	3.2	1.77	1.97	1.88	2.42	2.46
9883	'POM121'	96.63	47.35	41.26	36.62	49.9	50.93
9884	'LRRC37A'	3.66	1.36	1.65	1.46	3	2.06
9885	'OSBPL2'	20.87	18.89	13.02	14.43	20.43	19.7
9886	'RHOBTB1'	0.06	0.02	0.07	0.02	0.21	0
9887	'SMG7'	47.83	29.45	29.79	28.33	27.83	40.24
9889	'ZBED4'	37.72	19.86	14.24	17.39	26.59	17.14
989	'SEPTIN7'	235.62	146.35	158.77	180.67	180.45	181.92

9891	'NUAK1'	0.13	0.29	0.04	0.79	0	0.13
9894	'TELO2'	23.82	17.19	22.39	12.03	16.34	14.33
9895	'TECPR2'	5.72	4.51	3.16	3.5	4.68	5.94
9896	'FIG4'	7.69	7.93	7.7	6.41	13.22	10.4
9897	'WASHC5'	42.14	22.78	23.69	23.92	22.38	26.58
9898	'UBAP2L'	102.42	58.75	69.38	62.1	74.74	82.19
9899	'SV2B'	0.04	0.01	0.03	0.04	0.02	0.02
990	'CDC6'	25.33	15.39	33.61	12.95	17.81	14.23
9900	'SV2A'	5.66	5.12	7.4	5.1	6.63	3.75
9901	'SRGAP3'	0.25	0.18	0.28	0.09	0.63	0.17
9902	'MRC2'	0.37	0.36	0.98	0.18	2.13	0.99
9903	'KLHL21'	47.05	29.22	14.89	28.02	28.64	27.88
9904	'RBM19'	26.07	11.88	14.11	13.02	10.11	14.65
9905	'SGSM2'	32.55	30.18	20.64	20.26	44.27	31.33
9906	'SLC35E2A	7.95	6.18	4.89	5.51	42.56	11.06
9907	'AP5Z1'	29.16	20.06	15.44	18.35	18.7	23.35
9908	'G3BP2'	70.83	57.26	60.82	64.71	58.19	110.97
9909	'DENND4B'	68.86	46.3	45.8	31.15	47.94	58.28
991	'CDC20'	109.76	62.14	161.13	42.76	9.14	61.64
9910	'RABGAP1L	73.36	56.39	51.65	65.35	75.46	78.98
9911	'TMCC2'	0.52	0.85	1.51	0.46	1.98	1.48
9912	'ARHGAP44	0.16	0.12	0.14	0.04	0.17	0.25
9913	'SUPT7L'	32.35	25.34	24.45	24.02	29.07	35.74
9914	'ATP2C2'	0.03	0.2	0.07	0.06	1.24	0.21
9915	'ARNT2'	0	0	0	0	0.03	0
9917	'FAM20B'	12.08	9.36	8.58	6.21	9.54	7.78
9918	'NCAPD2'	65.45	27.24	71.84	22.46	51.94	43.15
9919	'SEC16A'	62.25	27.65	21.31	23.01	32.57	38.11
9920	'KBTBD11'	0.05	0.09	0.35	0	0.66	1.87
9921	'RNF10'	85.68	66.45	61.75	55.12	75.72	83.72
9922	'IQSEC1'	59.93	35.22	31.58	22.65	37.75	47.22
9923	'ZBTB40'	28.89	15.01	7.63	13.92	17.55	18.88
9924	'PAN2'	12.92	9.25	9.14	6.86	24.9	10.32
9925	'ZBTB5'	12.88	6.94	4.68	8.04	11.17	9.31
9926	'LPGAT1'	23.81	15.33	13.05	12.32	13.35	15.6
9927	'MFN2'	46.04	28.89	37.72	25.61	29.06	38.17
9928	'KIF14'	15.24	6.54	9.76	3.66	1.49	4.73
9929	'JOSD1'	76.78	53.03	47.59	51.37	69.71	69.77
993	'CDC25A'	12.27	8.27	14.83	4.6	5.09	6.76
9931	'HELZ'	22.94	11.6	7.77	10.51	16.69	15.8
9933	'PUM3'	29.51	20.51	31.06	22.83	9.17	23.05
9934	'P2RY14'	10.96	6.93	4.6	2.74	9.34	2.89
9935	'MAFB'	0.08	0.34	0	0.16	0	0.03
9936	'CD302'	0	0.83	0.64	0.47	0.31	0.98
9937	'DCLRE1A'	12.16	8.08	10.69	6.19	11.15	11.93
9938	'ARHGAP25	96.86	99.36	77.89	97.19	126.97	137.32
9939	'RBM8A'	47.5	37.28	44.27	42.52	40.34	48.12
994	'CDC25B'	205.53	135.42	229.79	125.77	119.07	280.4
9940	'DLEC1'	0.76	0.51	0.49	0.48	1.79	1.18
9941	'EXOG'	15.35	11.46	8.81	9.94	5.34	11.81
9942	'XYLB'	2.59	0.87	1.4	0.66	2.24	0.47
9943	'OXSR1'	41.68	22.64	27.74	23.85	47.7	37.72
9945	'GFPT2'	0.17	0.23	0.09	3.16	2.19	1.38
9946	'CRYZL1'	13.83	11.67	13.51	9.21	16.08	13.43

9948	'WDR1'	471.25	323.39	410.02	214.77	333.24	391.31
9949	'AMMECR1'	7.2	6.47	6.26	6.09	6.94	9.42
995	'CDC25C'	8.45	5.05	11.55	3.81	5.42	4.18
9950	'GOLGA5'	21.65	17.58	16.84	18.48	33.11	27.21
9951	'HS3ST4'	0	0	0	0	0	0.03
9953	'HS3ST3B1	12.4	8.97	8.12	4.9	8	10.74
9955	'HS3ST3A1	0.31	0.26	0.06	0.02	0	0
9957	'HS3ST1'	0.05	0.01	0.01	0.04	0.03	0.19
9958	'USP15'	33.56	23.79	18.67	23.9	18.73	33.92
996	'CDC27'	37.75	22.84	26.46	21.02	20.91	33.25
9960	'USP3'	18.13	18.58	16.38	15.96	18.53	25.31
9961	'MVP'	147.65	116.96	148.51	89.47	108.36	247.12
9962	'SLC23A2'	19.25	12.22	6.32	7.15	8.63	8.3
9963	'SLC23A1'	0.44	0.75	0.36	0.48	1.22	0.56
9966	'TNFSF15'	0.06	0.03	0	0.02	0.02	0.1
9967	'THRAP3'	56.84	28.84	48.1	28.82	46.66	54.96
9968	'MED12'	29.74	11.61	15.38	9.25	24.14	21.84
9969	'MED13'	31.72	16.61	12.66	15.51	14.36	22.12
997	'CDC34'	68.09	71.58	64.14	54.33	64.42	74.77
9970	'NR1I3'	0	0	0.07	0	0	0
9972	'NUP153'	108.75	52.61	37.07	49.8	36	40.69
9973	'CCS'	24.75	29.48	35.9	28.13	39.77	46.25
9975	'NR1D2'	36.11	26.24	10.66	27.05	13.96	41.99
9976	'CLEC2B'	85.69	108.06	85.18	118.94	141.2	103.1
9978	'RBX1'	82.81	82.92	129.58	80.38	79.75	94.4
998	'CDC42'	206.31	126.2	164.5	135.22	107.27	183.83
9980	'DOP1B'	4.61	3.58	4.07	2.15	3.94	6.37
9982	'FGFBP1'	0	0.16	0	0.3	0	0.09
9984	'THOC1'	20.53	19.16	18.78	15.91	16.32	18.02
9985	'REC8'	31.5	24.6	52.43	26.82	12.25	43.77
9986	'RCE1'	39.35	36.95	33.83	32.18	28.62	37.5
9987	'HNRNPDL'	187.3	146.44	167.01	156.83	57.42	163.31
9988	'DMTF1'	72.66	54.29	29.1	46.81	44.28	51.81
9989	'PPP4R1'	38.91	25.32	24.34	26.57	18.99	36.02
999	'CDH1'	0.03	0	0.12	0.04	0.13	0.05
9990	'SLC12A6'	20.82	9.84	8.41	8.18	11.38	8.97
9991	'PTBP3'	51.33	37.52	54.71	35.44	45.8	50.86
9992	'KCNE2'	0.44	0.16	0.32	0.61	0.34	1.14
9993	'DGCR2'	26.87	17.3	14.94	13.69	24.33	18.1
9994	'CASP8AP2	12.4	5.49	7.2	6.1	8.82	7.74
9997	'SCO2'	13.99	13.26	20.69	19.48	19.99	51.43

Supplementary file 3: Supplementary Table S5.The DEGs between eMDS-NKs and eHD-NKs

Gene ID	Gene Symbol	HD_3	HD_1	HD_2	MDS_1	MDS_2	MDS_3
1E+08	'KIR2DS2'	0.53	68.01	81.07	1.53	0.98	0.92
10024	'TROAP'	51.53	33.21	30.54	27.18	5.15	13.99
1E+08	'MTRNR2L3'	0	0.27	0	28.32	37.76	24.65
1E+08	'MTRNR2L10'	4.19	2.31	4.25	10.9	16.18	8.89
1.01E+08	'GIMAP1-GIMA	4.99	1.48	2.4	6.18	32.29	7.9
10112	'KIF20A'	15.31	12.32	8.57	5.32	2.29	5.03
10276	'NET1'	24.27	20.66	18.46	10.22	9.13	9.11
10346	'TRIM22'	48	40.13	38.37	74.74	82.48	175.79
1063	'CENPF'	20.22	24.39	10.85	9.2	5.84	8.08
10644	'IGF2BP2'	0.57	3.97	1.93	0.19	0.3	0.05
10663	'CXCR6'	8.83	12.75	17.42	28.11	27.42	58.67
10981	'RAB32'	3.28	5.8	3.15	1.13	0.37	0.4
11135	'CDC42EP1'	7.88	9.93	4.71	0.62	2.92	1.16
11148	'HHLA2'	17.24	6.97	6.13	2.83	3.8	2.37
11228	'RASSF8'	5.57	14.33	7.23	3.39	2.62	2.06
112399	'EGLN3'	0.35	0.28	0.33	0.72	16.48	2.55
1139	'CHRNA7'	0.05	0.59	0.31	0.01	0	0.01
140691	'TRIM69'	1.92	0.89	1.62	3.52	6.39	8.75
1439	'CSF2RB'	21.47	32.57	9.01	4.35	2.74	8.32
146909	'KIF18B'	11.98	17.38	9.02	6.15	3.79	5.29
154810	'AMOTL1'	0.91	2.3	1.08	0.33	0.4	0.14
19	'ABCA1'	0.22	0.38	0.24	1	0.39	5
196740	'VSTM4'	2.45	8.15	7.39	0.78	0.48	0.48
221	'ALDH3B1'	2.27	3.45	3.39	0.29	0.44	0.32
2242	'FES'	24.61	30.8	35.34	8.34	11.88	11.91
2305	'FOXM1'	64.11	60.29	33.37	23.08	20.67	26.79
23657	'SLC7A11'	4.68	11.45	3.15	1.92	1.18	2.66
246721	'POLR2J2'	2.05	0.4	0.54	4.71	15.19	7.55
25861	'WHRN'	0.87	2.39	3.4	8.3	18.59	5.4
259266	'ASPM'	15.91	26.48	9.63	8.04	3.86	5.96
2736	'GLI2'	5.18	3.26	3.45	0.45	1.66	1.13
283431	'GAS2L3'	0.59	1.87	0.93	0.26	0.06	0.15
284403	'WDR62'	26.72	27.27	18.39	11.72	7.7	11.55
3045	'HBD'	18.57	1.34	1.45	0.18	0	0
3127	'HLA-DRB5'	0.17	0	0.19	13.71	307.65	251.85
3149	'HMGB3'	17.21	10.82	9.94	6.72	4.8	5.06
346171	'ZFP57'	0	0.05	0.27	3.92	7.77	0.5
3665	'IRF7'	47.16	20.89	19.04	79.67	45.13	163.87
3687	'ITGAX'	8.63	9.63	14.6	3.93	4.52	3.96
376267	'RAB15'	9.42	14.2	13.53	1.21	1.25	1.54
3813	'KIR3DS1'	0.53	0.25	0.7	13.66	6.64	0.69
3815	'KIT'	3.67	8.92	7.05	1.26	1.23	1.69
3821	'KLRC1'	75.49	102.85	130.9	47.07	31.03	17.9
389015	'SLC9A4'	0.5	1.29	1.04	0.23	0.17	0.05
3976	'LIF'	17.19	7.58	5.4	2.74	2.76	3.88
401474	'SAMD12'	0.08	0.16	0.07	0.16	1.02	0.78
414060	'TBC1D3C'	0.14	1.17	2.39	0	0	0
4288	'MKI67'	59.85	85.74	34.29	20.72	25.18	24.06
445	'ASS1'	7.96	8.95	2.45	0.72	1.51	1.48
50943	'FOXP3'	4.18	4.99	5.01	9.88	63.09	31.13

51191	'HERC5'	9.26	8.78	6.19	19.71	21.18	40.33
51512	'GTSE1'	26.02	27.45	12.89	11.18	9.24	9.35
51599	'LSR'	5.69	3.79	4.97	12.72	13.71	13.08
55026	'TMEM255A'	0.5	0.76	0.46	2.87	1.71	1.63
55143	'CDCA8'	42.39	37.74	22.38	17.81	11.16	13.27
55340	'GIMAP5'	42.58	36.68	41.01	64.52	154.07	97.9
55355	'HJURP'	35.34	28.37	26.16	15.27	16.02	15.01
55601	'DDX60'	4.18	1.71	1.79	8.32	4.53	20.31
55902	'ACSS2'	3.19	1.42	2.99	4.54	10.18	8.2
56265	'CPXM1'	1.34	2.55	1.17	0.15	0.14	0.14
5641	'LGMN'	0.99	0.3	0.57	1.1	3.87	12.78
57292	'KIR2DL5A'	0	0	0	19.59	0	0
5733	'PTGER3'	0.59	4.51	1.69	0.13	0.06	0
5743	'PTGS2'	2.98	1.7	0.75	0.4	0.41	0.48
58528	'RRAGD'	0.96	0.64	0.57	1.86	9.89	1.8
6231	'RPS26'	833.68	549.99	952.4	347.36	162.74	314.95
6375	'XCL1'	54.3	20.62	43.57	10.45	7.26	12.74
64170	'CARD9'	3.22	3.29	3.19	0.56	0.62	0.69
64386	'MMP25'	154.67	196.75	195.3	88.18	103.96	99.54
6769	'STAC'	0.26	0.8	0.54	0.02	0.02	0
7106	'TSPAN4'	9.37	14.21	12.79	4.77	4.98	3.66
7345	'UCHL1'	12.02	38.32	20.67	4.56	1.28	2.97
7462	'LAT2'	66.38	64.32	68.25	35.92	36.91	24.35
759	'CA1'	1.33	0.22	0.24	0	0	0
79660	'PPP1R3B'	0.83	0.73	0.63	1.36	6.66	2.2
80005	'DOCK5'	2.19	4.26	3.08	1.46	1.08	1.21
8214	'DGCR6'	1.29	2.92	4.12	0.13	0	0
8476	'CDC42BPA'	0.38	1.61	0.45	0.07	0.11	0.18
84969	'TOX2'	17.6	23.7	16.29	7.14	7.17	11.6
85379	'KIAA1671'	0.68	1.04	0.67	1.51	2.53	7.57
8644	'AKR1C3'	27.25	36.64	39.58	15.56	8.89	11.2
8706	'B3GALNT1'	2.35	1.67	1.24	0.52	0.1	0.43
8707	'B3GALT2'	0.34	0.35	0.53	1.86	5.58	3.54
8857	'FCGBP'	0.58	1.04	0.71	2.38	1.97	1.61
8938	'BAIAP3'	0.21	0.13	0.4	0.47	5.92	0.94
89832	'CHRFAM7A'	0.13	1.75	1.69	0.15	0.15	0.12
9232	'PTTG1'	391.71	176.07	250.7	125.69	111.19	120.2
925	'CD8A'	245.48	153.99	169.8	441.05	371.43	403.46
93100	'NAPRT'	5.09	1.25	1.35	8.47	19.63	34.14
9381	'OTOF'	1.78	0.81	0.82	4.92	1.93	20.02
9415	'FADS2'	206.64	175.79	103.8	65.33	36.72	79.37
9510	'ADAMTS1'	6.82	14.24	13.39	3.37	2	3.04
9619	'ABCG1'	5.54	6.05	3.43	13.63	12.5	22.32
9928	'KIF14'	6.84	8.86	4.76	2.88	0.97	2.95
9945	'GFPT2'	0.07	0.1	0.16	2.49	1.43	0.86