

p_val	avg_logFC	pct.1	pct.2	p_val_adj	cluster	gene
5.91E-11	0.561512	1	0.896	1.51E-06	0	ITGBL1
9.28E-10	1.087071	0.932	0.708	2.36E-05	0	MMP3
1.03E-09	0.719845	0.811	0.5	2.63E-05	0	DIRC3
2.87E-09	0.748637	1	1	7.32E-05	0	PRG4
1.48E-08	0.698028	0.973	0.719	0.000378	0	SDC2
1.67E-08	0.709153	1	1	0.000425	0	FN1
4.21E-08	0.746646	0.649	0.24	0.001072	0	OLFM3
1.01E-07	0.609834	1	0.844	0.002579	0	SPARCL1
1.53E-07	0.549332	1	0.844	0.003895	0	HLA-B
2.21E-07	0.501054	0.986	0.885	0.005636	0	ANK3
6.90E-07	0.556613	1	0.76	0.017573	0	CRTAC1
1.05E-06	0.505699	0.986	0.865	0.026694	0	CAV1
1.13E-06	0.520578	0.959	0.885	0.028907	0	SCARA5
1.74E-06	0.554856	1	0.729	0.044393	0	SLC39A14
2.34E-18	-1.55056	1	1	5.97E-14	1	ZNF470
3.72E-18	-1.95102	1	1	9.48E-14	1	AL512646.1
4.84E-18	-1.94865	1	1	1.23E-13	1	MYADML
7.17E-18	-1.02199	1	1	1.83E-13	1	AC090142.2
8.72E-18	-1.05575	1	1	2.22E-13	1	NUP214
1.03E-17	-1.48693	1	1	2.61E-13	1	RYR3
1.13E-17	-1.63944	1	1	2.88E-13	1	APOOL
1.17E-17	-0.96392	1	1	2.97E-13	1	MIXL1
1.37E-17	-1.48053	0.974	1	3.50E-13	1	GPLD1
1.56E-17	-1.65434	1	1	3.98E-13	1	UBE2O
1.84E-17	-0.88609	1	1	4.68E-13	1	CELF5
2.88E-17	-1.58786	1	1	7.33E-13	1	NOVA1
6.70E-17	-0.78848	0.921	0.992	1.71E-12	1	RPS14P4
7.02E-17	-1.77409	1	1	1.79E-12	1	HIF3A
9.04E-17	-1.15999	1	1	2.30E-12	1	BPHL
1.20E-16	-0.76095	1	1	3.06E-12	1	ARL4C
1.70E-16	-1.68816	1	1	4.32E-12	1	UPK3BL1
5.34E-16	-1.3045	1	1	1.36E-11	1	KPNA2P2
6.62E-16	-1.14743	1	1	1.69E-11	1	ZHX1
1.22E-15	-0.58296	1	1	3.11E-11	1	AC125604.1
2.10E-15	-1.09726	1	1	5.35E-11	1	CARD8
4.58E-15	-0.89374	1	1	1.17E-10	1	PRMT1
7.81E-15	-0.58424	1	1	1.99E-10	1	LCMT2
1.25E-14	-0.82951	1	1	3.19E-10	1	SUGT1
1.63E-14	-1.208	1	1	4.15E-10	1	TRIM41
1.68E-14	-0.85977	1	1	4.27E-10	1	ERCC4
6.14E-14	-0.80317	1	1	1.56E-09	1	SPG21
6.88E-14	-1.07915	1	1	1.75E-09	1	MIA2
1.15E-13	-0.73546	1	0.985	2.92E-09	1	LANCL3
2.01E-13	-0.61998	1	1	5.13E-09	1	SMAGP
1.14E-12	-1.06698	1	1	2.91E-08	1	KXD1
1.50E-12	-1.04255	0.947	1	3.81E-08	1	EPS15L1
1.81E-12	-1.09438	1	1	4.60E-08	1	DCAF10
1.85E-12	-0.52582	1	0.992	4.72E-08	1	CCR4
2.18E-12	-0.76192	1	1	5.55E-08	1	AC006509.1
2.42E-12	-0.52651	1	1	6.18E-08	1	TBC1D7
3.15E-12	-1.41261	0.974	0.939	8.03E-08	1	USP28
3.43E-12	-0.83081	1	1	8.73E-08	1	MRPL42
6.29E-12	-0.56825	1	1	1.60E-07	1	ASAP1
6.29E-12	-0.97933	1	1	1.60E-07	1	ZNF84
6.29E-12	-1.15674	1	1	1.60E-07	1	GPALPP1
1.09E-11	0.980279	1	0.939	2.76E-07	1	CD164
1.15E-11	-0.7974	1	1	2.92E-07	1	FNIP1

1.97E-11	0.588293	1	1	5.01E-07	1 AC010970.1
2.18E-11	1.062266	1	0.977	5.55E-07	1 CD55
4.01E-11	-0.51926	1	1	1.02E-06	1 RPP30
4.23E-11	1.130201	0.974	0.735	1.08E-06	1 TWISTNB
4.58E-11	0.677415	1	0.879	1.17E-06	1 CALU
6.00E-11	-0.7854	0.947	0.985	1.53E-06	1 GTF3C5
7.15E-11	0.764515	1	0.742	1.82E-06	1 COL4A1
8.72E-11	-0.9075	1	1	2.22E-06	1 RPL7L1
1.01E-10	0.689142	1	0.932	2.57E-06	1 P4HB
1.03E-10	0.567892	1	0.818	2.61E-06	1 PLIN3
1.14E-10	0.83126	1	0.659	2.91E-06	1 SLC7A8
1.17E-10	-0.86137	1	1	2.99E-06	1 SNRPD1
1.41E-10	1.012461	0.974	0.803	3.60E-06	1 INHBA
1.58E-10	-0.72803	1	1	4.01E-06	1 TRA2A
1.61E-10	0.670696	1	0.917	4.09E-06	1 VKORC1
2.31E-10	0.699821	1	0.848	5.87E-06	1 RPN2
2.76E-10	-0.60524	1	1	7.02E-06	1 TTC7B
2.96E-10	-0.51122	1	0.992	7.55E-06	1 ZNF836
3.86E-10	-0.52924	1	1	9.84E-06	1 AFMID
4.42E-10	0.805635	1	0.795	1.13E-05	1 SLC29A1
4.57E-10	0.674088	1	0.864	1.16E-05	1 TUBA1B
5.32E-10	-0.57287	0.921	0.962	1.36E-05	1 AP002981.1
6.08E-10	-0.68849	1	0.992	1.55E-05	1 PBLD
7.48E-10	0.657595	1	0.917	1.91E-05	1 GAPDH
1.56E-09	0.942655	1	0.879	3.98E-05	1 TIMP1
2.19E-09	0.903032	1	0.962	5.59E-05	1 TNC
2.19E-09	0.604574	1	1	5.59E-05	1 APLP2
2.30E-09	-0.52379	1	0.992	5.85E-05	1 ZNF317
2.71E-09	0.983952	1	0.667	6.89E-05	1 HBEGF
2.78E-09	0.544188	1	0.833	7.07E-05	1 MORF4L2
2.96E-09	0.709846	1	0.712	7.55E-05	1 ELOVL5
3.10E-09	0.556735	1	0.803	7.91E-05	1 RCN3
3.16E-09	0.557544	1	0.939	8.04E-05	1 RPN1
4.34E-09	-0.52698	1	0.992	0.000111	1 MT1X
4.68E-09	0.511403	1	0.833	0.000119	1 RAB1A
6.31E-09	0.78122	1	0.902	0.000161	1 COL5A2
7.94E-09	0.589837	1	0.856	0.000202	1 PDIA3
9.70E-09	-0.53089	1	1	0.000247	1 MT-ND1
9.89E-09	0.606686	1	0.924	0.000252	1 ADAM10
1.06E-08	0.523714	1	0.818	0.000269	1 LMAN1
1.31E-08	0.607264	1	0.917	0.000335	1 ENPP1
1.46E-08	0.612108	1	0.848	0.000373	1 CD9
1.47E-08	0.78493	1	0.939	0.000374	1 BZW1
1.54E-08	0.568228	1	0.985	0.000392	1 CLTC
1.55E-08	0.599982	1	0.803	0.000394	1 TAGLN2
1.89E-08	0.541748	1	0.886	0.000481	1 HSP90B1
2.15E-08	0.592849	1	0.886	0.000548	1 ITGB1
2.26E-08	0.541326	1	0.924	0.000577	1 CD68
2.70E-08	-0.54444	1	1	0.000687	1 DIP2A
3.48E-08	0.72404	1	0.97	0.000887	1 ANKH
3.69E-08	0.50037	1	0.902	0.000939	1 DDOST
4.04E-08	0.526519	1	0.818	0.001028	1 PDIA6
4.13E-08	0.540724	1	1	0.001052	1 ALDOA
4.18E-08	0.521331	1	0.894	0.001065	1 PLOD1
4.35E-08	0.711099	1	0.833	0.001107	1 FAM49A
5.17E-08	0.502743	1	0.811	0.001318	1 COPG1
6.48E-08	0.769322	1	0.667	0.00165	1 CEMIP
7.12E-08	0.606533	1	0.818	0.001814	1 ANGPTL2

7.27E-08	0.625301	1	0.97	0.001853	1	UGDH
8.77E-08	0.616777	1	1	0.002233	1	FN1
8.95E-08	-0.96375	1	1	0.00228	1	OPA3
9.46E-08	0.819774	1	0.902	0.002409	1	VCAM1
1.00E-07	0.723504	1	0.894	0.002559	1	SEMA3A
1.17E-07	0.595082	0.868	0.553	0.002991	1	COL22A1
1.21E-07	0.936966	0.658	0.227	0.003092	1	CXCL1
1.28E-07	0.581241	1	0.871	0.003252	1	DNASE1L3
1.43E-07	0.527457	1	0.992	0.003653	1	ITGB8
1.61E-07	0.698221	0.763	0.417	0.0041	1	ITPR3
1.65E-07	0.576721	1	0.811	0.004191	1	PGM3
1.72E-07	-0.67601	1	1	0.004384	1	CLDN11
1.78E-07	0.593513	1	0.811	0.004545	1	ISLR
1.94E-07	0.568163	1	0.977	0.004949	1	ABI3BP
2.34E-07	1.090197	0.974	0.833	0.005964	1	RCAN1
2.69E-07	0.559614	1	0.871	0.006862	1	ENO1
2.83E-07	0.780972	0.789	0.386	0.007196	1	F5
3.19E-07	0.735388	1	0.917	0.008124	1	TIMP3
3.27E-07	0.592375	1	0.985	0.008316	1	CLU
4.18E-07	0.508824	1	0.886	0.010647	1	ARID5B
4.82E-07	0.599745	1	0.917	0.012278	1	SULF1
4.89E-07	0.513262	0.816	0.614	0.012449	1	DAW1
5.13E-07	0.534295	1	0.992	0.013063	1	BCAT1
6.43E-07	0.583349	1	0.742	0.016382	1	TSC22D3
6.60E-07	0.639977	1	1	0.016808	1	PRG4
7.99E-07	0.72605	1	0.947	0.020355	1	THBS4
1.04E-06	0.619366	1	0.894	0.026424	1	HTRA1
1.08E-06	0.549363	1	0.902	0.027484	1	CLIC4
1.13E-06	0.500898	1	0.977	0.028701	1	LDHA
1.23E-06	0.63787	0.842	0.5	0.031414	1	RGS16
1.30E-06	0.627816	0.737	0.341	0.033169	1	RGS2
1.35E-06	0.638764	1	0.886	0.034371	1	SPARCL1
8.85E-19	-2.63597	0.97	1	2.25E-14	2	COL1A2
2.94E-18	-1.75174	0.576	0.993	7.48E-14	2	LGALS3BP
3.84E-18	-1.52288	0.939	1	9.79E-14	2	LRP1
6.22E-18	-1.99097	0.364	1	1.58E-13	2	TXNIP
7.93E-18	-2.05847	0.879	1	2.02E-13	2	C1S
1.10E-17	-1.87237	0.394	0.985	2.81E-13	2	PMP22
1.37E-17	-1.81969	0.97	1	3.49E-13	2	HSPA5
1.61E-17	-1.68993	0.515	0.985	4.10E-13	2	PROS1
2.06E-17	-3.12494	0.848	1	5.25E-13	2	COL3A1
2.61E-17	-1.98901	0.515	0.993	6.64E-13	2	PLTP
2.89E-17	-1.30027	0.939	1	7.36E-13	2	C6orf62
3.65E-17	-1.50274	0.818	1	9.31E-13	2	H3F3B
8.17E-17	-2.04499	0.879	1	2.08E-12	2	PSAP
9.22E-17	-2.39846	0.545	0.993	2.35E-12	2	LUM
1.26E-16	-1.40332	0.394	0.993	3.21E-12	2	TM9SF2
1.51E-16	-1.16365	0.606	1	3.85E-12	2	HNRNPK
2.51E-16	1.14816	1	1	6.39E-12	2	RYR3
2.96E-16	-1.20964	0.97	1	7.53E-12	2	CALM2
4.17E-16	-2.46779	0.636	0.993	1.06E-11	2	VCAM1
6.53E-16	-2.08069	0.788	0.993	1.66E-11	2	EFEMP1
7.14E-16	-1.06088	0.152	0.971	1.82E-11	2	GRN
8.08E-16	1.036545	1	1	2.06E-11	2	ZHX1
8.88E-16	-1.34236	0.606	0.993	2.26E-11	2	PCYOX1
9.14E-16	-1.60645	0.424	0.993	2.33E-11	2	RPN2
9.67E-16	-1.36859	0.455	0.993	2.46E-11	2	KDEL2
1.08E-15	-1.54814	0.909	1	2.75E-11	2	ANXA2

1.22E-15	-1.03866	0.515	0.985	3.10E-11	2 LAMP2
1.53E-15	-1.59926	0.758	0.993	3.89E-11	2 UBC
1.58E-15	1.197699	1	1	4.03E-11	2 ZNF470
1.64E-15	0.926524	1	1	4.16E-11	2 PRMT1
1.67E-15	-0.68714	0.212	0.949	4.24E-11	2 GAA
2.63E-15	0.916993	1	1	6.71E-11	2 SUGT1
2.69E-15	-0.73018	0.212	0.92	6.84E-11	2 ESD
2.89E-15	1.243275	1	0.993	7.37E-11	2 GPLD1
3.72E-15	1.034429	1	1	9.49E-11	2 CARD8
4.02E-15	-1.22959	0.212	1	1.02E-10	2 ATP6AP2
4.23E-15	-0.64182	0.303	0.964	1.08E-10	2 CTSL
4.41E-15	-1.79818	0.788	0.993	1.12E-10	2 C1R
5.31E-15	-1.39657	0.545	1	1.35E-10	2 HLA-B
5.78E-15	-1.48893	0.909	1	1.47E-10	2 ABI3BP
5.78E-15	0.645366	1	1	1.47E-10	2 AC125604.1
6.61E-15	-0.67085	0.606	0.985	1.68E-10	2 MDH1
8.10E-15	-0.65638	0.515	0.985	2.06E-10	2 GANAB
9.25E-15	-1.13125	0.242	0.978	2.36E-10	2 SERPING1
9.76E-15	-1.36843	0.727	1	2.49E-10	2 P4HB
1.08E-14	-2.50457	1	1	2.74E-10	2 FN1
1.13E-14	-1.68134	0.394	0.978	2.88E-10	2 SELENOP
1.18E-14	0.917817	1	1	3.01E-10	2 MRPL42
1.18E-14	-1.05979	0.606	0.971	3.01E-10	2 GPX8
1.61E-14	1.194703	1	1	4.09E-10	2 APOOL
1.82E-14	1.159022	1	1	4.63E-10	2 NOVA1
1.87E-14	-1.47904	0.879	1	4.77E-10	2 ACTB
1.89E-14	-1.57063	0.727	0.993	4.82E-10	2 ACTG1
1.91E-14	-1.03799	0.091	0.883	4.87E-10	2 C4A
2.01E-14	-0.69147	0.182	0.912	5.11E-10	2 CCT4
2.02E-14	-1.39241	0.848	0.993	5.15E-10	2 PCOLCE
2.29E-14	-0.59063	0.212	0.956	5.83E-10	2 ATP6V1G1
2.43E-14	-0.63624	0.212	0.956	6.20E-10	2 ILK
2.78E-14	-1.0045	0.758	1	7.08E-10	2 YWHAZ
2.88E-14	-1.29921	0.485	1	7.33E-10	2 ARL6IP5
2.98E-14	-1.37296	0.515	1	7.59E-10	2 LAPTM4A
3.25E-14	1.219274	1	1	8.27E-10	2 HIF3A
3.61E-14	-0.81568	0.636	0.985	9.19E-10	2 DNAJC3
3.66E-14	-1.41659	0.818	1	9.33E-10	2 CANX
3.77E-14	-0.8334	0.394	0.964	9.61E-10	2 TMEM43
3.95E-14	-0.91835	0.364	0.993	1.01E-09	2 RAB1A
4.01E-14	-1.03888	0.485	0.942	1.02E-09	2 COPG1
4.04E-14	-0.81876	0.485	0.971	1.03E-09	2 DCTN2
4.27E-14	0.928907	1	1	1.09E-09	2 CELF5
4.67E-14	1.024973	1	1	1.19E-09	2 MIA2
5.20E-14	-1.19692	0.121	0.912	1.32E-09	2 C4B
5.75E-14	-0.50448	0.515	0.985	1.46E-09	2 SERPINH1
5.77E-14	-1.60218	0.909	1	1.47E-09	2 FSTL1
6.31E-14	0.869566	1	1	1.61E-09	2 ERCC4
6.50E-14	-1.32609	0.273	0.993	1.66E-09	2 ISLR
7.39E-14	-0.71837	0.364	0.927	1.88E-09	2 TAF7
7.54E-14	-1.44185	0.758	1	1.92E-09	2 BZW1
7.88E-14	-1.16033	0.273	0.927	2.01E-09	2 CFB
8.71E-14	-0.65688	0.697	0.993	2.22E-09	2 TMBIM1
8.90E-14	-1.48421	0.515	0.971	2.27E-09	2 CD9
9.32E-14	1.283137	1	1	2.37E-09	2 AL512646.1
9.41E-14	-1.43902	0.394	0.934	2.40E-09	2 LTBP1
9.62E-14	-0.84645	0.485	1	2.45E-09	2 OS9
9.89E-14	0.675303	1	1	2.52E-09	2 AFMID

1.02E-13	-0.82659	0.242	0.934	2.59E-09	2 NCSTN
1.02E-13	-1.00177	0.424	0.956	2.60E-09	2 GNG12
1.06E-13	-0.7423	0.303	0.942	2.70E-09	2 TMEM50A
1.15E-13	-0.78889	0.364	0.905	2.92E-09	2 SARS
1.18E-13	0.892492	1	1	3.01E-09	2 NUP214
1.24E-13	-0.93122	0.606	1	3.16E-09	2 NPTN
1.35E-13	-0.67858	0.121	0.883	3.45E-09	2 ACLY
1.37E-13	-0.87253	0.848	1	3.49E-09	2 MAGT1
1.37E-13	-0.73011	0.879	1	3.49E-09	2 METTL7A
1.38E-13	-0.70115	0.333	0.934	3.53E-09	2 SRP72
1.45E-13	-0.74594	0.152	0.898	3.69E-09	2 SNX17
1.48E-13	-0.95176	0.636	0.993	3.77E-09	2 DDOST
1.50E-13	0.920341	1	1	3.82E-09	2 KXD1
1.52E-13	-0.98269	0.606	0.985	3.86E-09	2 LAMB2
1.52E-13	-1.01447	0.697	0.971	3.88E-09	2 PLOD1
1.54E-13	-0.73747	0.758	0.993	3.92E-09	2 NDFIP1
1.63E-13	-1.18855	0.545	0.993	4.14E-09	2 CNBP
1.64E-13	-1.55198	1	1	4.18E-09	2 AC010970.1
1.65E-13	-0.81851	0.364	0.949	4.22E-09	2 SNX2
1.76E-13	-1.27181	0.727	0.993	4.47E-09	2 CFI
1.76E-13	-0.98161	0.303	0.964	4.47E-09	2 PIGT
1.84E-13	-0.76823	0.333	0.905	4.68E-09	2 PCMT1
1.84E-13	-0.91488	0.818	1	4.69E-09	2 LGALS3
1.86E-13	-0.99181	0.424	0.912	4.75E-09	2 RAB2A
1.96E-13	0.756145	1	0.971	4.98E-09	2 RPS14P4
1.97E-13	-0.53883	0.515	0.964	5.02E-09	2 COPS6
2.02E-13	0.52659	1	1	5.13E-09	2 MMACHC
2.03E-13	-0.80734	0.061	0.883	5.16E-09	2 PRNP
2.04E-13	-0.84916	0.303	0.949	5.19E-09	2 SH3BGRL
2.08E-13	0.685151	1	1	5.29E-09	2 SMAGP
2.15E-13	-0.57155	0.424	0.985	5.49E-09	2 COL6A1
2.23E-13	-0.92606	0.485	0.993	5.67E-09	2 HLA-C
2.26E-13	-0.7745	0.788	1	5.77E-09	2 XRCC6
2.43E-13	-0.84975	0.303	0.956	6.20E-09	2 SURF4
2.47E-13	-1.036	0.273	0.956	6.29E-09	2 C5orf15
2.56E-13	-0.59393	0.333	0.898	6.53E-09	2 MMADHC
2.87E-13	-1.03699	0.485	0.978	7.30E-09	2 TUBB
2.95E-13	-0.7469	0.606	0.993	7.52E-09	2 H3F3A
2.95E-13	0.857474	1	1	7.52E-09	2 SPG21
3.12E-13	-0.97892	0.455	1	7.95E-09	2 ARF1
3.21E-13	-0.88243	0.121	0.847	8.17E-09	2 HNRNPH2
3.21E-13	-0.73719	0.273	0.971	8.18E-09	2 PTTG1IP
3.32E-13	-0.66383	0.606	0.949	8.45E-09	2 COPZ1
3.36E-13	-0.61489	0.394	0.971	8.55E-09	2 PRDX6
3.54E-13	-0.67383	0.212	0.927	9.02E-09	2 TPP1
3.94E-13	-0.84966	0.273	0.891	1.00E-08	2 ALDH9A1
4.07E-13	0.547031	1	1	1.04E-08	2 PIM2
4.24E-13	-0.90229	0.515	0.942	1.08E-08	2 PLIN3
4.31E-13	0.951382	1	1	1.10E-08	2 MIXL1
4.75E-13	-0.68123	0.333	0.964	1.21E-08	2 ANXA6
4.99E-13	-2.10193	0.879	0.993	1.27E-08	2 TNC
5.00E-13	-1.01268	0.576	0.978	1.27E-08	2 SEC61A1
5.15E-13	-0.86476	0.333	0.978	1.31E-08	2 PDIA4
5.29E-13	-2.71256	1	1	1.35E-08	2 PRG4
5.44E-13	-0.77508	0.485	0.978	1.39E-08	2 XRCC5
5.62E-13	-1.01689	0.394	0.964	1.43E-08	2 OAT
5.76E-13	-1.0217	0.879	1	1.47E-08	2 TMBIM6
5.89E-13	-0.89083	0.455	0.993	1.50E-08	2 UBB

6.02E-13	-0.84308	0.515	0.971	1.53E-08	2 NNMT
8.13E-13	-0.80257	0.788	1	2.07E-08	2 PLD3
8.15E-13	0.912501	1	1	2.08E-08	2 CLDN11
8.41E-13	-0.6682	0.364	0.971	2.14E-08	2 CLIC1
8.43E-13	-0.5835	0.667	0.993	2.15E-08	2 PPP2R1A
8.62E-13	-0.74314	0.333	0.956	2.19E-08	2 IGFBP4
8.67E-13	-0.82141	0.273	0.883	2.21E-08	2 SCAMP1
8.69E-13	-0.74285	0.182	0.898	2.21E-08	2 HEXB
8.78E-13	-1.6299	0.636	0.993	2.24E-08	2 COL5A2
9.55E-13	-0.71125	0.424	0.978	2.43E-08	2 VSIR
1.01E-12	-1.84286	0.455	0.956	2.57E-08	2 CCN2
1.05E-12	-0.78857	0.182	0.905	2.66E-08	2 NCOA4
1.05E-12	1.043566	1	1	2.69E-08	2 KPNA2P2
1.13E-12	-0.51344	0.333	0.92	2.88E-08	2 PSMD13
1.14E-12	-1.04283	0.697	0.985	2.90E-08	2 COL1A1
1.15E-12	-0.90841	0.788	1	2.92E-08	2 STT3A
1.16E-12	-0.76334	0.091	0.847	2.97E-08	2 PDGFRL
1.21E-12	-1.68449	0.697	0.993	3.08E-08	2 TIMP3
1.32E-12	-0.52331	0.091	0.825	3.37E-08	2 APMAP
1.34E-12	-0.9935	0.242	0.993	3.40E-08	2 CTSD
1.41E-12	-0.7266	0.455	0.949	3.59E-08	2 CCT3
1.55E-12	-0.72927	0.364	0.949	3.95E-08	2 TOMM20
1.57E-12	-0.83648	0.909	1	4.00E-08	2 CTSB
1.62E-12	-0.69307	0.424	0.956	4.14E-08	2 TSPAN3
1.66E-12	-0.92075	0.606	0.993	4.24E-08	2 CTSA
1.69E-12	-0.54874	0.182	0.985	4.30E-08	2 MYL12B
1.76E-12	0.944168	1	1	4.48E-08	2 BPHL
1.76E-12	0.856875	1	1	4.48E-08	2 FNIP1
1.76E-12	0.626305	1	1	4.48E-08	2 TBC1D7
1.81E-12	-0.50337	0.909	1	4.61E-08	2 RPL30
1.81E-12	0.737556	1	1	4.61E-08	2 AC006509.1
1.94E-12	-0.66553	0.182	0.898	4.94E-08	2 CERS2
2.14E-12	-1.99666	0.818	1	5.46E-08	2 DCN
2.32E-12	-0.88539	0.727	0.985	5.91E-08	2 LEPROT
2.47E-12	1.16268	1	1	6.29E-08	2 UBE2O
2.51E-12	-0.56964	0.424	0.905	6.39E-08	2 CAP1
2.54E-12	1.27627	1	1	6.47E-08	2 MYADML
2.73E-12	-0.54304	0.212	0.949	6.94E-08	2 ATP6V0E1
2.82E-12	-0.7381	0.667	0.964	7.19E-08	2 YIPF5
2.89E-12	-1.45617	0.303	0.891	7.36E-08	2 CRISPLD1
2.90E-12	-1.09558	0.424	1	7.40E-08	2 PDIA3
2.98E-12	-0.54739	0.364	0.927	7.58E-08	2 ATP6AP1
3.32E-12	-0.97953	0.394	1	8.46E-08	2 ANXA5
3.35E-12	-0.96756	0.758	0.993	8.54E-08	2 ATL3
3.50E-12	-0.74226	0.788	0.993	8.91E-08	2 YWHAB
3.55E-12	-0.7214	0.758	1	9.04E-08	2 HADHB
3.70E-12	-0.61047	0.606	0.964	9.44E-08	2 MAT2B
3.73E-12	-0.71584	0.636	1	9.50E-08	2 EIF4G2
3.98E-12	0.638377	1	1	1.01E-07	2 LCMT2
4.13E-12	-0.66396	0.485	0.934	1.05E-07	2 SIL1
4.13E-12	-0.66313	0.576	0.993	1.05E-07	2 CSRP1
4.53E-12	-0.65613	0.424	0.927	1.15E-07	2 BROX
4.68E-12	-1.16097	0.758	0.993	1.19E-07	2 GPNMB
4.69E-12	-0.70549	0.788	1	1.20E-07	2 STAT3
4.69E-12	-0.98755	0.818	1	1.20E-07	2 ASPH
4.70E-12	-0.6547	0.182	0.832	1.20E-07	2 GLO1
4.71E-12	-0.62423	0.515	0.956	1.20E-07	2 EIF1AX
4.76E-12	-0.82637	0.333	0.964	1.21E-07	2 RTN3

5.13E-12	-0.5184	0.303	0.905	1.31E-07	2 UFL1
5.24E-12	-1.09783	0.758	1	1.33E-07	2 PAM
5.49E-12	-0.99665	0.394	0.905	1.40E-07	2 SYPL1
5.61E-12	-0.82011	0.364	0.964	1.43E-07	2 REEP5
5.87E-12	-0.80207	0.424	0.964	1.50E-07	2 ANGPTL2
5.88E-12	-0.87553	0.455	0.971	1.50E-07	2 MORF4L2
6.12E-12	-0.97876	0.697	0.971	1.56E-07	2 STOM
6.31E-12	-1.20016	0.636	0.993	1.61E-07	2 FBN1
6.35E-12	-0.51145	0.152	0.825	1.62E-07	2 SLC39A1
6.46E-12	-0.8434	0.455	0.934	1.65E-07	2 VCP
6.66E-12	-0.65957	0.606	1	1.70E-07	2 NUCKS1
6.95E-12	-1.05734	0.515	0.993	1.77E-07	2 ENO1
7.43E-12	-1.09805	0.333	0.985	1.89E-07	2 PDIA6
7.48E-12	-0.5297	0.545	0.971	1.90E-07	2 ARPC3
8.15E-12	-0.57234	0.212	0.869	2.07E-07	2 PSMC2
8.35E-12	-0.71204	0.515	0.978	2.13E-07	2 SELENOT
8.44E-12	-0.6646	0.727	0.978	2.15E-07	2 SPTLC1
8.59E-12	-0.71254	0.758	0.985	2.19E-07	2 EFNA5
8.74E-12	-0.84176	0.848	0.993	2.23E-07	2 CTNNA1
8.75E-12	-0.5514	0.576	1	2.23E-07	2 RAN
9.61E-12	-1.02067	0.818	0.985	2.45E-07	2 RPN1
9.74E-12	-0.56235	0.576	0.993	2.48E-07	2 TMEM230
1.01E-11	-0.65389	0.394	0.905	2.57E-07	2 DERL1
1.01E-11	-0.90136	0.667	1	2.57E-07	2 HLA-A
1.03E-11	-0.53771	0.515	0.942	2.63E-07	2 TM9SF1
1.05E-11	0.554837	1	0.978	2.66E-07	2 AC008758.1
1.11E-11	-0.57442	0.242	0.891	2.83E-07	2 TMED7
1.13E-11	-0.86741	0.364	0.985	2.88E-07	2 CTSK
1.16E-11	-0.8079	0.727	1	2.96E-07	2 EIF4A1
1.17E-11	-0.566	0.364	0.978	2.98E-07	2 EIF4H
1.20E-11	-0.87782	0.424	0.964	3.06E-07	2 LMAN1
1.23E-11	0.640255	1	0.993	3.14E-07	2 AL096700.1
1.25E-11	-1.79957	0.697	0.964	3.17E-07	2 SPARCL1
1.27E-11	-1.03388	0.939	1	3.22E-07	2 CLU
1.30E-11	-0.61548	0.545	0.942	3.30E-07	2 SEC13
1.32E-11	-0.53421	0.364	0.964	3.35E-07	2 YIPF3
1.33E-11	-0.61751	0.273	0.949	3.38E-07	2 CRKL
1.39E-11	-0.78261	0.455	0.934	3.55E-07	2 TFG
1.40E-11	-0.52467	0.242	0.81	3.56E-07	2 NAA20
1.41E-11	0.562264	1	0.993	3.59E-07	2 ZNF836
1.44E-11	-0.6212	0.424	1	3.67E-07	2 GABARAP
1.45E-11	-0.75549	0.758	1	3.68E-07	2 APP
1.45E-11	-0.79137	0.667	0.978	3.70E-07	2 ANXA7
1.46E-11	-1.02086	0.333	0.912	3.71E-07	2 TSC22D3
1.48E-11	-0.54088	0.364	0.949	3.76E-07	2 LMBRD1
1.48E-11	-0.88311	0.485	0.912	3.77E-07	2 ARCN1
1.52E-11	-0.51884	0.152	0.832	3.87E-07	2 LAMC1
1.55E-11	-1.11416	0.576	1	3.95E-07	2 PRKAR1A
1.64E-11	-0.95149	0.576	0.927	4.18E-07	2 FHL1
1.65E-11	-0.79246	0.636	1	4.20E-07	2 PPIB
1.65E-11	-0.78065	0.182	0.825	4.20E-07	2 HNRNPF
1.74E-11	-0.60285	0.424	0.912	4.44E-07	2 NRBP1
1.80E-11	-1.00128	1	1	4.59E-07	2 APLP2
1.85E-11	1.159662	1	1	4.71E-07	2 UPK3BL1
1.85E-11	0.79259	1	0.993	4.71E-07	2 PBLD
1.86E-11	-0.71254	0.394	0.942	4.74E-07	2 TSPYL1
2.03E-11	-1.58447	0.848	0.978	5.17E-07	2 SEMA3C
2.06E-11	-0.69348	0.758	1	5.24E-07	2 EIF1

2.06E-11	0.765394	1	0.971	5.25E-07	2	GTF3C5
2.06E-11	0.955054	1	1	5.25E-07	2	TRIM41
2.14E-11	-0.56019	0.152	0.796	5.45E-07	2	GLB1
2.15E-11	-0.77864	0.121	0.854	5.47E-07	2	C1GALT1C1
2.16E-11	-0.54552	0.515	0.978	5.51E-07	2	AP2M1
2.17E-11	-0.50328	0.758	0.985	5.52E-07	2	SHISA5
2.17E-11	-1.35809	0.455	0.942	5.54E-07	2	SLC39A14
2.23E-11	-0.70547	0.576	0.971	5.69E-07	2	SCARB2
2.28E-11	-0.81238	0.485	0.92	5.80E-07	2	RAB18
2.29E-11	-0.63442	0.121	0.869	5.84E-07	2	YPEL5
2.30E-11	-0.68694	1	1	5.85E-07	2	DPYSL2
2.35E-11	-0.65633	0.061	0.752	5.99E-07	2	ARL2BP
2.36E-11	-1.0204	1	1	6.01E-07	2	ALDOA
2.45E-11	-1.4679	0.303	0.876	6.24E-07	2	MMP2
2.55E-11	-0.92496	0.848	1	6.51E-07	2	GSN
2.74E-11	-1.38638	0.758	0.956	6.97E-07	2	CAV1
2.77E-11	-1.19877	0.909	1	7.06E-07	2	LDHA
2.83E-11	-0.81146	0.758	0.978	7.20E-07	2	C2
3.08E-11	-0.78922	0.576	0.934	7.84E-07	2	GLT8D2
3.32E-11	-0.6494	0.273	0.891	8.47E-07	2	CAT
3.34E-11	0.692618	1	1	8.51E-07	2	TRA2A
3.62E-11	-0.57394	0.333	0.971	9.22E-07	2	TOB1
3.65E-11	-0.83666	0.273	0.847	9.31E-07	2	SLC7A8
3.66E-11	-0.62456	0.606	0.985	9.32E-07	2	PPIC
3.68E-11	-0.60182	0.394	0.891	9.38E-07	2	DLX3
3.80E-11	-0.75652	0.727	0.949	9.67E-07	2	DEGS1
3.80E-11	-0.78052	0.242	0.898	9.68E-07	2	PGRMC1
3.82E-11	0.830981	1	1	9.72E-07	2	SNRPD1
3.87E-11	-1.05121	0.758	0.956	9.86E-07	2	SCARA5
3.89E-11	-0.63511	0.394	0.891	9.90E-07	2	ANP32E
3.92E-11	0.754033	1	0.985	9.98E-07	2	LANCL3
3.99E-11	-0.7969	0.273	0.898	1.02E-06	2	P4HA1
4.02E-11	-0.947	0.848	1	1.02E-06	2	ANXA1
4.12E-11	-0.64446	0.424	1	1.05E-06	2	SELENOF
4.13E-11	0.889867	1	1	1.05E-06	2	AC090142.2
4.32E-11	-0.82103	0.697	0.978	1.10E-06	2	SQSTM1
4.35E-11	-0.68776	0.727	1	1.11E-06	2	HNRNPC
4.48E-11	0.62821	1	0.993	1.14E-06	2	CCR4
4.60E-11	-1.24472	0.939	1	1.17E-06	2	VIM
4.84E-11	-0.80751	0.424	0.912	1.23E-06	2	PAPSS1
4.85E-11	-0.63764	0.879	1	1.23E-06	2	SKP1
4.95E-11	-0.87882	0.485	0.876	1.26E-06	2	TRAM1
5.02E-11	-1.20566	0.515	0.869	1.28E-06	2	COL4A1
5.11E-11	0.501304	1	1	1.30E-06	2	ZNF527
5.67E-11	-0.79049	0.818	0.993	1.44E-06	2	NRP1
5.71E-11	-0.72593	0.515	0.956	1.45E-06	2	SBDS
5.99E-11	-0.6184	0.879	1	1.52E-06	2	EIF3E
6.02E-11	-0.83547	0.667	0.956	1.53E-06	2	PDCD4
6.30E-11	-0.57809	0.303	0.927	1.60E-06	2	TMX1
6.48E-11	-0.73557	0.909	1	1.65E-06	2	IQGAP1
6.81E-11	1.081144	0.97	0.942	1.73E-06	2	USP28
6.82E-11	-1.31422	0.818	0.993	1.74E-06	2	THBS4
6.83E-11	-0.51373	0.394	0.92	1.74E-06	2	DERL2
7.39E-11	-0.66162	0.939	1	1.88E-06	2	PRCP
7.59E-11	0.633554	1	1	1.93E-06	2	MT-ND2
7.78E-11	-0.59391	0.364	0.934	1.98E-06	2	EIF3D
7.99E-11	-0.50511	0.545	0.942	2.03E-06	2	ABHD2
8.21E-11	0.73813	1	1	2.09E-06	2	ARL4C



8.29E-11	-0.75609	0.485	0.942	2.11E-06	2 NDFIP2
8.36E-11	-0.76641	0.424	0.978	2.13E-06	2 PLS3
8.39E-11	-0.54616	0.485	0.985	2.14E-06	2 BTF3
9.01E-11	-0.51846	0.424	0.949	2.29E-06	2 ENG
9.11E-11	-0.58679	0.364	0.92	2.32E-06	2 ZFAND6
9.28E-11	-0.59695	0.212	0.869	2.36E-06	2 ANGPTL1
9.28E-11	-0.6913	0.485	0.927	2.36E-06	2 LHFPL6
9.31E-11	-0.90212	0.697	1	2.37E-06	2 RHOA
9.85E-11	-0.6448	0.848	1	2.51E-06	2 EIF3F
9.87E-11	-0.63225	0.303	0.861	2.52E-06	2 SRPRB
9.90E-11	-0.54873	0.485	0.949	2.52E-06	2 FKBP7
9.97E-11	-0.50211	0.848	0.993	2.54E-06	2 SCPEP1
1.01E-10	-1.33393	0.848	1	2.57E-06	2 COL6A3
1.02E-10	-0.58694	0.667	0.971	2.61E-06	2 SMARCE1
1.02E-10	0.60286	0.97	0.978	2.61E-06	2 C12orf60
1.03E-10	-0.64941	0.485	0.993	2.61E-06	2 MRFAP1
1.03E-10	-0.62354	0.697	0.993	2.63E-06	2 VAPA
1.04E-10	-0.54689	0.879	0.993	2.64E-06	2 EIF3C
1.06E-10	-0.59606	0.818	1	2.71E-06	2 CYBRD1
1.07E-10	-0.57021	0.879	1	2.71E-06	2 CPQ
1.11E-10	-0.62847	0.515	0.971	2.83E-06	2 BNIP3L
1.12E-10	-0.82386	0.848	1	2.86E-06	2 PPP1CB
1.20E-10	-0.97491	0.788	0.993	3.04E-06	2 PLXDC2
1.24E-10	-1.30064	0.879	0.993	3.17E-06	2 CFH
1.29E-10	-0.79606	0.788	0.978	3.28E-06	2 CD44
1.31E-10	-1.48414	0.545	0.905	3.33E-06	2 ACKR3
1.31E-10	0.641654	1	1	3.34E-06	2 ASAP1
1.35E-10	-0.77348	0.545	0.964	3.44E-06	2 PTGES3
1.40E-10	-0.59984	0.212	0.832	3.55E-06	2 RNASE4
1.49E-10	-0.67603	0.848	0.985	3.80E-06	2 MOB1A
1.53E-10	-0.61339	0.364	0.905	3.90E-06	2 SEL1L
1.59E-10	-1.07138	0.333	0.869	4.04E-06	2 SLC2A12
1.65E-10	0.598127	1	1	4.21E-06	2 MT-CO3
1.74E-10	-0.80111	0.818	1	4.43E-06	2 HLA-E
1.76E-10	-0.5384	0.364	0.876	4.49E-06	2 ACTR2
1.80E-10	-0.5952	0.485	0.978	4.58E-06	2 PAIP2
1.81E-10	-0.6162	0.455	0.949	4.60E-06	2 PLPP3
1.84E-10	-0.60217	0.364	0.934	4.68E-06	2 CYFIP1
1.88E-10	-0.89471	0.576	0.934	4.79E-06	2 RERG
2.02E-10	-0.54041	0.394	0.876	5.13E-06	2 GORASP2
2.03E-10	-0.6593	0.879	1	5.18E-06	2 MORF4L1
2.03E-10	-0.72244	0.515	0.985	5.18E-06	2 YWHAQ
2.08E-10	-0.70843	0.788	1	5.30E-06	2 RPS3A
2.08E-10	-0.53465	0.242	0.891	5.31E-06	2 GBP2
2.13E-10	-0.86154	0.545	0.971	5.43E-06	2 SDCBP
2.14E-10	0.863192	1	1	5.45E-06	2 RPL7L1
2.22E-10	-0.54629	0.545	0.956	5.66E-06	2 PCNP
2.24E-10	-0.74882	0.818	0.964	5.70E-06	2 CAPZA1
2.25E-10	0.877931	1	0.985	5.74E-06	2 EPS15L1
2.28E-10	-0.57435	0.727	0.956	5.80E-06	2 PTEN
2.35E-10	-0.56686	0.303	0.978	5.98E-06	2 PGAM1
2.43E-10	0.542615	1	1	6.19E-06	2 RPP30
2.43E-10	-0.7266	0.394	0.869	6.19E-06	2 ACSL4
2.47E-10	-0.51895	0.394	0.927	6.29E-06	2 IER3IP1
2.52E-10	-1.0292	0.576	0.985	6.41E-06	2 HSPA8
2.56E-10	-0.68181	0.909	1	6.52E-06	2 TMED2
2.56E-10	-0.82351	0.273	0.898	6.52E-06	2 ELOVL5
2.80E-10	-0.70919	0.909	0.993	7.12E-06	2 SEC22B

2.89E-10	-0.65603	0.758	0.985	7.37E-06	2 SLC30A9
2.97E-10	-0.71791	0.758	1	7.58E-06	2 HMGN2
3.00E-10	-0.60872	0.727	0.978	7.64E-06	2 MYADM
3.04E-10	-0.81613	0.636	1	7.73E-06	2 RPL5
3.10E-10	-0.50906	0.455	0.978	7.89E-06	2 PPP3CA
3.11E-10	-0.76517	0.182	0.803	7.93E-06	2 ARMCX2
3.14E-10	-0.78312	0.939	1	7.99E-06	2 COPB2
3.15E-10	-0.74454	0.424	0.912	8.02E-06	2 GPC6
3.18E-10	-0.63837	0.121	0.788	8.09E-06	2 SMIM15
3.21E-10	-0.94073	0.758	1	8.18E-06	2 CD164
3.22E-10	-0.85352	0.333	0.905	8.20E-06	2 NT5E
3.26E-10	-0.69947	0.606	0.964	8.31E-06	2 NUDT21
3.30E-10	-0.85126	0.939	0.985	8.40E-06	2 UGDH
3.31E-10	-0.77925	0.424	0.891	8.43E-06	2 PLSCR4
3.39E-10	-1.05939	0.394	0.934	8.63E-06	2 BGN
3.46E-10	-0.60406	0.758	0.993	8.82E-06	2 TAPBP
3.47E-10	-0.57901	0.879	1	8.84E-06	2 MYL6
3.47E-10	-0.88815	0.909	1	8.84E-06	2 DAB2
3.49E-10	-0.61953	0.606	0.971	8.89E-06	2 IFNAR1
3.54E-10	-0.81946	0.697	0.993	9.02E-06	2 GAPDH
3.84E-10	-0.50253	0.788	1	9.77E-06	2 SUMO2
3.89E-10	-0.73385	0.545	1	9.90E-06	2 HSP90B1
4.14E-10	-0.56002	0.818	1	1.05E-05	2 TMBIM4
4.32E-10	-0.685	0.273	0.956	1.10E-05	2 PNRC2
4.34E-10	-0.72304	0.182	0.81	1.10E-05	2 MAMDC2
4.41E-10	-0.5543	0.485	0.942	1.12E-05	2 LIN7C
4.59E-10	-0.62368	0.061	0.73	1.17E-05	2 PYURF
4.95E-10	-0.80962	0.606	0.993	1.26E-05	2 FTH1
5.31E-10	-0.77048	0.606	0.978	1.35E-05	2 ARF4
5.40E-10	-0.79141	0.697	0.971	1.38E-05	2 UGP2
5.46E-10	-0.75435	0.848	1	1.39E-05	2 CD47
5.49E-10	-0.55986	0.606	0.971	1.40E-05	2 SELENBP1
5.49E-10	-0.68246	0.667	0.993	1.40E-05	2 CALR
5.63E-10	-0.74371	0.515	0.891	1.43E-05	2 ITFG1
5.79E-10	-0.56868	0.636	0.927	1.47E-05	2 PSMA1
5.87E-10	-0.74569	0.515	0.92	1.49E-05	2 PIGK
5.87E-10	-0.60024	0.727	1	1.50E-05	2 DSTN
5.99E-10	-0.77106	0.061	0.715	1.53E-05	2 RECQL
5.99E-10	-0.92178	0.364	0.876	1.53E-05	2 HSD3B7
6.24E-10	-0.77914	0.212	0.847	1.59E-05	2 PPT1
6.29E-10	-0.55794	0.667	0.985	1.60E-05	2 ATXN10
6.36E-10	-0.57199	0.242	0.825	1.62E-05	2 RPA1
7.07E-10	-0.63674	0.515	0.956	1.80E-05	2 SH3GLB1
7.14E-10	-0.63863	0.364	0.964	1.82E-05	2 RCN3
7.15E-10	-0.59569	0.697	0.993	1.82E-05	2 GNS
7.21E-10	-0.54841	0.455	0.92	1.84E-05	2 HRH1
7.72E-10	-1.57337	0.788	0.985	1.97E-05	2 FOS
7.99E-10	-1.59329	0.485	0.898	2.04E-05	2 GPR1
8.34E-10	0.607211	1	1	2.13E-05	2 DIP2A
8.55E-10	0.939993	1	1	2.18E-05	2 GPALPP1
8.77E-10	0.917186	1	1	2.23E-05	2 DCAF10
9.81E-10	-0.5286	0.121	0.745	2.50E-05	2 GJA1
9.92E-10	0.656908	1	1	2.53E-05	2 TTC7B
1.03E-09	-0.54142	0.182	0.774	2.62E-05	2 M6PR
1.12E-09	-0.59994	0.576	0.956	2.84E-05	2 BCAP29
1.14E-09	-0.73496	0.909	0.993	2.89E-05	2 CSNK1A1
1.18E-09	-0.80768	0.848	1	3.00E-05	2 TMED10
1.20E-09	-0.7317	0.545	0.993	3.07E-05	2 S100A10

1.21E-09	-0.57896	0.727	0.964	3.08E-05	2 ACTR10
1.23E-09	-0.60225	0.364	0.964	3.13E-05	2 TAGLN2
1.25E-09	-0.60896	0.636	0.978	3.19E-05	2 TGOLN2
1.27E-09	-0.69129	0.545	0.971	3.23E-05	2 PDPN
1.27E-09	0.876644	1	1	3.23E-05	2 ZNF84
1.36E-09	-0.63109	0.455	0.912	3.46E-05	2 TMF1
1.39E-09	-1.44639	0.333	0.898	3.54E-05	2 COL14A1
1.39E-09	-0.58597	0.697	1	3.55E-05	2 COPA
1.47E-09	-0.72319	0.364	0.956	3.74E-05	2 TPI1
1.51E-09	-0.97093	0.333	0.891	3.84E-05	2 MFAP4
1.53E-09	-0.50016	0.697	0.985	3.91E-05	2 DDX24
1.54E-09	-0.55366	0.758	1	3.92E-05	2 LMNA
1.54E-09	0.535399	1	1	3.93E-05	2 MT-ATP6
1.60E-09	-0.54246	0.697	0.956	4.07E-05	2 CCT5
1.61E-09	-0.64974	0.061	0.679	4.11E-05	2 OSR2
1.65E-09	-0.5727	0.333	0.839	4.20E-05	2 CMTM6
1.66E-09	-0.50544	0.485	0.92	4.24E-05	2 RDX
1.68E-09	-0.59648	0.636	0.971	4.27E-05	2 DAZAP2
1.70E-09	-0.57095	0.576	0.964	4.33E-05	2 PRRX1
1.77E-09	-0.50705	0.636	0.985	4.50E-05	2 TRAM2
1.78E-09	-0.50169	0.333	0.912	4.54E-05	2 ATXN7L3B
1.79E-09	-0.56774	1	1	4.55E-05	2 PPIA
1.82E-09	-0.55436	0.333	0.985	4.65E-05	2 EID1
1.83E-09	-0.69767	0.97	1	4.66E-05	2 B2M
1.93E-09	-1.21978	0.515	0.927	4.93E-05	2 TNFAIP6
1.94E-09	-0.62838	0.636	0.971	4.94E-05	2 TVP23B
1.99E-09	-0.53713	0.455	0.905	5.06E-05	2 PTGES
2.11E-09	-0.51277	0.758	1	5.38E-05	2 MYL12A
2.15E-09	-0.69729	0.606	0.964	5.47E-05	2 HERPUD1
2.15E-09	-0.95386	0.636	0.993	5.48E-05	2 PDGFRA
2.33E-09	-0.63194	0.424	0.942	5.94E-05	2 LAMB1
2.47E-09	-0.7727	0.424	0.912	6.30E-05	2 SLC38A2
2.48E-09	0.506346	0.97	0.993	6.31E-05	2 POLR2D
2.51E-09	-0.62691	0.909	1	6.39E-05	2 TMEM59
2.51E-09	-0.7373	1	1	6.39E-05	2 ITM2B
2.62E-09	-0.70279	0.121	0.701	6.67E-05	2 HSPA13
2.66E-09	-0.82252	0.273	0.876	6.76E-05	2 DPT
2.68E-09	-0.84587	0.697	0.985	6.82E-05	2 HSP90AB1
2.69E-09	-0.51224	0.545	0.949	6.84E-05	2 HSD17B12
2.71E-09	-0.60118	0.364	0.942	6.91E-05	2 SCP2
2.73E-09	-0.58441	0.182	0.861	6.95E-05	2 TUBA1A
2.79E-09	-1.12483	0.697	0.912	7.10E-05	2 FAM49A
2.86E-09	-0.5082	0.848	0.978	7.28E-05	2 MRPL3
2.90E-09	0.547677	1	1	7.38E-05	2 SEC24D
3.05E-09	-0.6449	0.485	0.956	7.77E-05	2 PTGDS
3.10E-09	-0.68789	0.697	1	7.90E-05	2 RPS5
3.20E-09	-0.56864	0.606	0.927	8.15E-05	2 RAB11A
3.43E-09	-0.57251	0.273	0.825	8.73E-05	2 NAA50
3.48E-09	-0.64586	0.455	0.949	8.86E-05	2 SRPRA
3.49E-09	-0.72223	0.758	0.971	8.88E-05	2 ALDH3A2
3.50E-09	-0.71649	0.818	0.971	8.91E-05	2 RO60
3.59E-09	-0.66499	0.879	0.993	9.15E-05	2 ANXA4
3.59E-09	-0.72521	0.909	1	9.16E-05	2 RPL15
3.61E-09	-0.52446	0.455	0.964	9.19E-05	2 OSTC
3.69E-09	-0.51206	0.727	0.964	9.40E-05	2 AKR1A1
4.00E-09	-0.62648	0.212	0.788	0.000102	2 GOLT1B
4.02E-09	-1.00476	0.697	0.978	0.000102	2 PLA2G2A
4.07E-09	-0.54792	0.636	0.964	0.000104	2 HSPA9

4.10E-09	-0.73409	0.394	0.891	0.000104	2 SEMA3E
4.24E-09	-0.52997	0.758	0.993	0.000108	2 PDHB
4.47E-09	-0.64351	0.455	1	0.000114	2 CD63
4.63E-09	-0.7052	0.545	0.978	0.000118	2 ATP5F1B
4.77E-09	-0.61637	0.152	0.73	0.000121	2 ATP1B3
5.17E-09	-0.527	0.636	0.964	0.000132	2 UBAC2
5.21E-09	-0.99642	0.636	0.934	0.000133	2 FAP
5.60E-09	-0.59658	0.636	0.993	0.000143	2 SRP9
5.64E-09	-0.5734	0.697	0.934	0.000144	2 SNX6
6.03E-09	-0.50669	0.121	0.708	0.000154	2 ABHD10
6.06E-09	-0.62092	0.515	0.92	0.000154	2 FBXL5
6.28E-09	-0.73985	0.515	0.861	0.00016	2 ZMPSTE24
6.56E-09	-0.58276	0.303	0.861	0.000167	2 IFNGR1
6.70E-09	-0.55168	0.424	0.861	0.000171	2 TBPL1
6.73E-09	-0.67404	0.667	0.971	0.000172	2 P4HA2
7.10E-09	-0.62485	0.697	0.985	0.000181	2 NOTCH2
7.59E-09	-0.52889	0.242	0.796	0.000193	2 SUCLA2
7.81E-09	-0.56078	0.758	0.978	0.000199	2 EXT2
7.84E-09	-0.53468	0.818	1	0.0002	2 SPCS2
8.39E-09	-0.51943	0.758	0.993	0.000214	2 HADHA
8.66E-09	-0.54504	0.424	0.934	0.000221	2 COPB1
9.02E-09	0.585492	1	1	0.00023	2 MT-CYB
9.33E-09	-0.59618	0.909	0.978	0.000238	2 FTO
9.34E-09	-0.60321	0.667	0.971	0.000238	2 MBTPS1
9.36E-09	-0.90341	0.697	0.971	0.000238	2 TNXB
1.04E-08	-0.59946	0.424	0.847	0.000264	2 THBS3
1.07E-08	-0.51772	0.061	0.679	0.000272	2 TWF1
1.07E-08	-0.92617	0.303	0.745	0.000273	2 OLFML2B
1.12E-08	-0.82713	0.636	0.971	0.000286	2 CALU
1.14E-08	-0.60236	0.758	0.993	0.000289	2 NFIA
1.16E-08	-0.60456	0.697	1	0.000296	2 RBPJ
1.17E-08	-0.56534	0.576	0.934	0.000298	2 SGCB
1.18E-08	-0.73243	0.697	0.956	0.000299	2 TMEM263
1.18E-08	-0.50629	0.424	0.876	0.000301	2 CAMK2D
1.20E-08	-0.51471	0.152	0.759	0.000305	2 TSC22D1
1.22E-08	0.526687	1	1	0.000311	2 DIS3L
1.25E-08	-0.5124	0.758	0.993	0.000317	2 ARL1
1.25E-08	-0.59711	0.606	0.956	0.000318	2 GDI2
1.28E-08	-0.5951	0.515	0.883	0.000327	2 TM2D2
1.30E-08	-0.65123	0.818	0.985	0.000332	2 HEXA
1.31E-08	-0.54419	0.515	0.898	0.000333	2 ANPEP
1.34E-08	-0.64973	0.424	0.942	0.000342	2 TMEM30A
1.36E-08	-0.51426	0.424	0.898	0.000346	2 GLT8D1
1.48E-08	-0.68349	0.394	0.861	0.000376	2 CASP3
1.61E-08	-0.58836	0.545	0.912	0.000411	2 ARFGAP3
1.64E-08	-0.54543	0.879	0.956	0.000418	2 USP11
1.66E-08	-0.70485	0.697	0.964	0.000424	2 ARID5B
1.70E-08	-0.53075	0.545	1	0.000434	2 ITGB1
1.71E-08	-0.50885	0.424	0.956	0.000436	2 MAPRE2
1.75E-08	-0.55864	0.576	0.956	0.000447	2 CD82
1.77E-08	-0.5425	0.303	0.876	0.00045	2 KDELR3
1.91E-08	-0.92434	0.152	0.708	0.000487	2 ENPP2
1.93E-08	-1.11557	0.848	0.971	0.00049	2 SERPINF1
2.00E-08	-0.56376	0.576	0.993	0.000509	2 PTMA
2.10E-08	-0.74737	0.455	0.861	0.000534	2 BHLHE40
2.10E-08	-0.58344	0.242	0.81	0.000534	2 HSPA1A
2.11E-08	-0.62412	0.909	1	0.000538	2 TPT1
2.12E-08	-0.53473	0.545	0.912	0.00054	2 RDH11

2.14E-08	-0.75061	0.485	0.912	0.000544	2 SDC2
2.18E-08	-0.71643	0.697	0.949	0.000554	2 ERAP2
2.19E-08	-0.50784	0.636	0.985	0.000558	2 SPCS3
2.33E-08	-0.56239	0.727	0.942	0.000594	2 ADGRE5
2.42E-08	0.648133	0.939	0.956	0.000616	2 AP002981.1
2.53E-08	-0.65688	0.758	1	0.000644	2 RPL6
2.80E-08	-0.57026	0.242	0.818	0.000714	2 DLD
2.84E-08	-0.51633	0.939	1	0.000723	2 RACK1
2.88E-08	-0.77045	0.485	0.847	0.000733	2 COL12A1
2.93E-08	-0.53734	0.909	0.993	0.000747	2 HDLBP
2.96E-08	-0.60772	0.485	0.876	0.000754	2 COQ10B
2.97E-08	-0.78757	0.879	1	0.000756	2 EBF1
3.06E-08	-0.51676	0.727	0.993	0.000779	2 EEF2
3.23E-08	-0.58957	0.424	0.869	0.000823	2 GLIPR1
3.26E-08	-0.54891	0.515	0.985	0.00083	2 MAGED2
3.39E-08	-0.54689	0.364	0.825	0.000864	2 TMOD1
3.54E-08	-0.60393	0.364	0.898	0.000902	2 EPHA3
3.73E-08	-0.62975	0.636	0.956	0.00095	2 TMEM167A
3.86E-08	0.672942	0.909	0.869	0.000982	2 SPINT2
3.86E-08	-0.65501	0.758	0.971	0.000984	2 BCLAF1
3.99E-08	-0.867	0.606	0.898	0.001016	2 SLC29A1
4.03E-08	-1.25807	0.758	0.956	0.001026	2 HTRA1
4.15E-08	-1.22787	0.909	1	0.001058	2 CD55
4.22E-08	-0.73244	0.727	0.971	0.001074	2 FGF10
4.34E-08	-0.58717	0.879	1	0.001106	2 RPLP0
4.41E-08	-0.66509	0.697	0.978	0.001123	2 ERLEC1
4.42E-08	-0.51025	0.545	0.927	0.001126	2 STAG2
4.84E-08	-0.76198	0.818	0.985	0.001234	2 ACTR3
4.88E-08	-0.51134	0.576	0.934	0.001244	2 DYM
5.04E-08	-0.56515	0.606	1	0.001283	2 RPSA
5.30E-08	-0.58166	0.818	0.993	0.001349	2 RPL13
5.42E-08	-0.66201	0.939	1	0.001381	2 STEAP4
5.54E-08	-0.59215	0.848	1	0.001411	2 TOR1AIP1
5.54E-08	-0.51538	0.939	0.993	0.001411	2 CALM1
5.58E-08	-0.87401	0.818	0.92	0.001421	2 TMEM196
5.86E-08	-0.60338	0.697	0.964	0.001492	2 OSMR
5.90E-08	-0.73702	0.758	0.985	0.001503	2 DDX3X
6.44E-08	-0.55584	0.697	0.993	0.00164	2 FTL
6.47E-08	0.93344	1	1	0.001647	2 OPA3
6.65E-08	-0.63665	0.636	0.891	0.001693	2 MRPS10
6.68E-08	-0.55253	0.909	0.993	0.001702	2 TPD52L1
6.97E-08	-0.57073	0.697	0.956	0.001776	2 GULP1
7.22E-08	0.584098	1	1	0.001838	2 MT-ND5
7.22E-08	-0.52312	0.424	0.891	0.001839	2 PCOLCE2
7.68E-08	-0.54246	0.697	1	0.001957	2 RPL10A
7.78E-08	-0.56357	0.848	0.993	0.001983	2 ZFP36L1
7.80E-08	-0.56682	0.152	0.693	0.001986	2 ENPP4
8.32E-08	-0.50998	0.909	0.993	0.002118	2 SMIM14
8.41E-08	-0.56615	0.97	1	0.002142	2 GNAI3
9.01E-08	-0.62132	0.455	0.81	0.002296	2 MOB4
9.47E-08	-0.52948	0.848	0.993	0.002412	2 YME1L1
1.03E-07	-0.59472	0.485	0.818	0.00262	2 MTMR2
1.17E-07	-0.55122	0.242	0.715	0.002974	2 UBL3
1.18E-07	-0.86542	0.788	0.971	0.003018	2 ENPP1
1.19E-07	0.501317	1	1	0.00303	2 COG7
1.23E-07	-0.60311	0.636	0.978	0.003132	2 SCARA3
1.27E-07	-0.65533	0.879	1	0.003231	2 FNDC3B
1.33E-07	-0.69073	0.455	0.891	0.003381	2 GALNT5

1.36E-07	-0.59588	0.152	0.642	0.003473	2 CDO1
1.39E-07	-0.64932	0.212	0.715	0.00353	2 BICC1
1.47E-07	-0.54767	1	1	0.003756	2 CAPZA2
1.51E-07	-0.58999	0.879	1	0.003836	2 SEC31A
1.66E-07	-0.73636	0.121	0.635	0.004233	2 MXRA5
1.67E-07	-0.67724	0.758	0.978	0.004253	2 SULF1
1.73E-07	-0.73114	0.97	0.993	0.004408	2 CLTC
1.85E-07	-0.88183	0.636	0.934	0.004724	2 ARRDC3
1.89E-07	-0.57577	0.273	0.723	0.004803	2 CASP7
1.90E-07	-0.59625	0.636	0.942	0.004843	2 ZNF385B
1.91E-07	-0.73423	0.333	0.796	0.004859	2 TSPAN7
2.03E-07	-0.58277	0.333	0.803	0.005183	2 TPPP3
2.22E-07	-0.51769	0.667	0.993	0.005658	2 RPS4X
2.35E-07	-0.92698	0.879	0.993	0.005992	2 PRSS23
2.42E-07	-0.50178	0.121	0.606	0.006171	2 MFSD14A
2.56E-07	-0.61002	0.121	0.613	0.00651	2 KLF10
2.56E-07	-0.52903	0.576	0.898	0.006531	2 SERPINB1
2.57E-07	-0.57827	0.212	0.708	0.006543	2 AQP1
2.84E-07	-0.63446	0.909	0.971	0.007234	2 SEC23A
3.00E-07	-0.58196	0.545	1	0.007639	2 EEF1G
3.04E-07	-0.79795	0.848	0.949	0.007754	2 GFPT2
3.29E-07	-0.53453	0.818	1	0.008377	2 RPL10
3.35E-07	-0.50228	0.697	0.993	0.008527	2 RPL7
3.36E-07	0.510442	1	1	0.008558	2 MTRNR2L12
3.48E-07	-0.60205	0.727	0.971	0.008868	2 HBP1
3.50E-07	0.509306	1	0.993	0.008922	2 HELLS
3.60E-07	-0.61464	0.727	0.942	0.009177	2 PJA2
4.19E-07	-0.51638	0.273	0.701	0.010661	2 DHX40
4.31E-07	0.799275	0.939	0.978	0.010972	2 GEMIN6
4.41E-07	-0.6306	0.545	0.883	0.01123	2 EZR
5.34E-07	-0.52255	0.545	0.942	0.0136	2 DNAJA1
5.39E-07	-0.52407	0.758	0.985	0.013725	2 CD68
6.02E-07	-0.56152	0.515	0.832	0.015346	2 DARS
6.82E-07	-0.99045	0.758	0.891	0.017376	2 CRTAC1
8.30E-07	-0.60719	0.545	0.949	0.021147	2 ANGPTL4
8.31E-07	-0.52517	0.455	0.927	0.021172	2 IFI16
8.83E-07	-0.69278	0.152	0.657	0.022503	2 LRRC15
8.97E-07	-0.95117	0.758	0.912	0.022846	2 UAP1
9.34E-07	-0.65249	0.636	0.942	0.023784	2 ITGAV
9.61E-07	-0.61488	0.788	0.993	0.024485	2 LAMA4
9.66E-07	-0.561	0.091	0.555	0.02461	2 PLPP1
9.69E-07	-0.50238	0.758	0.978	0.02468	2 JKAMP
1.00E-06	-0.52106	0.455	0.861	0.025563	2 CFD
1.01E-06	-0.53225	0.333	0.781	0.025837	2 TWSG1
1.04E-06	-0.59105	0.848	0.978	0.026526	2 SLC30A7
1.05E-06	-0.58119	0.667	0.985	0.026679	2 MT2A
1.10E-06	-0.65223	0.909	0.985	0.027911	2 LIMA1
1.58E-06	-0.55004	0.303	0.701	0.040325	2 LIPA
1.58E-06	-0.52934	0.727	0.956	0.040347	2 SASH1
1.73E-06	-0.67022	0.727	0.964	0.044144	2 CSGALNACT1
4.16E-32	1.13911	0.96	0.028	1.06E-27	3 OLFML3
1.81E-15	1.290405	1	0.303	4.62E-11	3 PCDH18
3.39E-15	3.01144	1	0.972	8.62E-11	3 VCAN
1.09E-14	1.97481	1	0.724	2.78E-10	3 MMP2
1.32E-14	2.496513	1	0.959	3.35E-10	3 DCN
1.67E-14	1.495739	1	0.841	4.25E-10	3 SELENOP
2.83E-14	1.755221	0.96	0.421	7.22E-10	3 FGF7
6.94E-14	0.944435	0.52	0.034	1.77E-09	3 SRPX

1.32E-13	2.499038	1	0.648	3.36E-09	3 CXCL12
1.44E-13	1.286527	0.92	0.386	3.67E-09	3 PLPP1
2.00E-13	-1.64556	0.08	0.924	5.10E-09	3 CLIC5
3.33E-13	1.276719	1	0.89	8.48E-09	3 LUM
1.39E-12	1.539144	1	0.745	3.54E-08	3 MFAP4
1.44E-12	0.774874	0.92	0.434	3.67E-08	3 SETBP1
1.54E-12	-1.78353	0.96	1	3.93E-08	3 ITGB8
1.56E-12	1.411454	1	0.807	3.98E-08	3 IGFBP4
2.05E-12	-2.00481	0.4	0.945	5.23E-08	3 CRTAC1
2.21E-12	1.070453	1	0.807	5.64E-08	3 SERPING1
2.51E-12	1.713827	1	0.752	6.40E-08	3 COL14A1
3.57E-12	1.332166	1	0.91	9.09E-08	3 PDGFRA
8.57E-12	0.983663	1	0.959	2.18E-07	3 ZFP36L1
8.91E-12	1.260744	1	0.593	2.27E-07	3 ECM2
1.09E-11	-1.49639	0.44	0.966	2.78E-07	3 ERFFI1
1.24E-11	-1.29625	0.52	0.959	3.16E-07	3 GABRA4
2.40E-11	1.251042	0.64	0.124	6.11E-07	3 SFRP1
3.43E-11	1.041823	0.8	0.317	8.75E-07	3 FBLN5
3.57E-11	0.886721	1	0.724	9.09E-07	3 KCTD12
5.26E-11	0.695569	0.48	0.048	1.34E-06	3 MEST
7.00E-11	1.314488	0.92	0.566	1.78E-06	3 BICC1
8.71E-11	1.217964	0.84	0.255	2.22E-06	3 OGN
1.59E-10	0.646402	0.64	0.138	4.05E-06	3 THY1
2.42E-10	1.093561	0.96	0.462	6.17E-06	3 MXRA5
3.14E-10	1.18025	1	0.972	7.99E-06	3 C1S
3.23E-10	0.870573	1	0.869	8.22E-06	3 BOC
3.92E-10	1.773861	0.96	0.593	9.99E-06	3 CP
4.70E-10	0.813608	0.64	0.145	1.20E-05	3 RSPO2
4.94E-10	-1.34106	0.72	0.952	1.26E-05	3 SEMA5A
6.10E-10	1.039674	1	0.903	1.55E-05	3 STOM
6.10E-10	-1.92303	0.76	0.945	1.55E-05	3 HTRA1
8.22E-10	-1.30251	0.8	0.966	2.09E-05	3 ITGBL1
8.81E-10	0.902532	0.96	0.759	2.24E-05	3 AHR
9.09E-10	-1.6361	1	0.993	2.32E-05	3 BCAT1
1.04E-09	-2.70476	1	1	2.66E-05	3 PRG4
1.12E-09	-1.12682	0.88	0.993	2.85E-05	3 PDLIM5
1.76E-09	-1.3498	0.28	0.821	4.48E-05	3 HBEGF
1.79E-09	-1.02733	0.84	0.945	4.56E-05	3 ANK3
2.06E-09	0.69016	0.8	0.4	5.25E-05	3 PODN
2.24E-09	1.426326	1	0.966	5.70E-05	3 CFH
2.76E-09	2.026366	0.96	0.8	7.04E-05	3 IGF1
2.93E-09	1.084804	0.96	0.752	7.47E-05	3 CNN3
3.64E-09	0.76165	0.92	0.586	9.27E-05	3 DIO2
4.09E-09	0.739374	0.8	0.297	0.000104	3 SPOCK1
4.21E-09	0.707326	0.76	0.303	0.000107	3 PDLIM1
4.48E-09	1.207629	0.92	0.724	0.000114	3 FBLN1
4.63E-09	-1.07417	0.2	0.841	0.000118	3 NTN4
4.69E-09	1.201163	0.96	0.724	0.000119	3 DPT
4.78E-09	-1.08639	0.76	0.924	0.000122	3 DNASE1L3
4.81E-09	1.130865	0.6	0.138	0.000123	3 NID1
6.73E-09	0.528285	0.4	0.041	0.000171	3 SCG2
7.17E-09	2.017417	0.88	0.738	0.000183	3 C4B
7.44E-09	-1.15411	0.2	0.793	0.00019	3 TSPAN7
7.55E-09	-1.11278	0.36	0.876	0.000192	3 COL4A1
7.76E-09	0.613378	0.88	0.379	0.000198	3 CD74
9.99E-09	-1.12163	0.36	0.834	0.000255	3 SLC2A12
1.03E-08	-0.82457	0.84	0.945	0.000263	3 SOX5
1.14E-08	-0.74504	0.48	0.924	0.000291	3 FGF14

1.30E-08	1.157242	0.88	0.6	0.000332	3 NID2
1.61E-08	2.246972	0.84	0.441	0.000411	3 C7
2.16E-08	2.489528	0.96	0.869	0.000549	3 C3
2.52E-08	-2.0221	0.8	0.931	0.000641	3 SPARCL1
2.68E-08	-2.01532	1	1	0.000682	3 FN1
2.78E-08	0.520459	0.8	0.379	0.000709	3 GRIK3
2.96E-08	0.995872	0.92	0.841	0.000754	3 PLPP3
3.17E-08	-0.62304	0.36	0.834	0.000808	3 DAPK1
3.19E-08	1.53778	0.88	0.703	0.000813	3 C4A
3.41E-08	-0.54219	0.64	0.869	0.00087	3 MINDY2
3.54E-08	1.184793	0.96	0.793	0.000903	3 CDH11
3.59E-08	1.549136	0.84	0.414	0.000914	3 PTGFR
3.78E-08	-1.61977	0.16	0.724	0.000963	3 PARM1
4.13E-08	-0.62226	0.12	0.71	0.001051	3 COL22A1
4.36E-08	-0.81784	0.72	0.91	0.00111	3 ZNF385B
4.49E-08	1.144077	0.88	0.497	0.001143	3 PLAU
5.11E-08	0.57101	1	0.931	0.001301	3 CCN5
5.19E-08	1.002623	0.76	0.262	0.001322	3 KITLG
5.39E-08	0.689581	0.96	0.593	0.001372	3 PDGFRB
5.64E-08	0.511703	0.52	0.117	0.001436	3 PTGFRN
5.86E-08	-4.04478	0.52	0.855	0.001494	3 MMP3
6.04E-08	-1.44122	0.76	0.945	0.001537	3 SEMA3A
6.23E-08	-0.74218	1	0.959	0.001588	3 SORBS2
6.55E-08	-0.55474	0.44	0.821	0.001668	3 NDUFA4L2
6.95E-08	1.045904	0.92	0.579	0.001771	3 GLUL
7.08E-08	-1.17025	0.56	0.924	0.001804	3 FAM49A
9.33E-08	-0.76897	0.96	0.966	0.002376	3 PCSK6
9.93E-08	-0.50665	0.12	0.697	0.002529	3 MTUS2
1.09E-07	-0.90881	0.76	0.903	0.002784	3 ITGAV
1.17E-07	1.089627	1	0.938	0.002985	3 FOS
1.52E-07	-1.05313	0.52	0.876	0.003869	3 FOXO1
1.52E-07	-1.92618	0.48	0.841	0.003878	3 TWISTNB
1.59E-07	-0.85101	0.76	0.945	0.004053	3 PSD3
1.64E-07	-1.36	0.96	0.959	0.004179	3 THBS4
1.90E-07	0.730452	0.88	0.455	0.004836	3 CELF2
1.93E-07	-1.05683	0.96	0.917	0.00491	3 MT2A
2.08E-07	-0.83225	1	0.966	0.005302	3 CREB5
2.33E-07	-0.75373	0.6	0.841	0.005926	3 XYLT1
2.45E-07	-0.68425	0.4	0.855	0.006244	3 ADAMTSL1
2.70E-07	-0.54512	0.24	0.821	0.00689	3 CMAHP
2.82E-07	0.5343	0.96	0.759	0.007192	3 SSPN
2.83E-07	0.813857	1	0.745	0.007196	3 GLIPR1
3.10E-07	-1.03935	0.92	0.945	0.007884	3 CD68
3.10E-07	0.706117	0.88	0.503	0.007897	3 OSR2
3.15E-07	-0.9087	0.56	0.89	0.008031	3 SLC29A1
3.30E-07	-0.6185	0.8	0.931	0.0084	3 PAPLN
3.91E-07	0.838058	1	0.945	0.009959	3 EFEMP1
3.95E-07	-0.79771	0.08	0.641	0.010068	3 LRRC15
4.35E-07	-1.05408	0.56	0.938	0.011081	3 UAP1
4.39E-07	-0.71728	1	0.979	0.011192	3 CD55
4.71E-07	0.522277	1	0.993	0.011992	3 MARCKS
4.98E-07	0.567594	0.64	0.255	0.012692	3 HGF
5.09E-07	-0.84932	0.6	0.952	0.012975	3 TMEM196
6.19E-07	-0.6072	0.92	0.993	0.015778	3 SLC4A7
6.47E-07	0.561402	0.88	0.572	0.016491	3 ANTXR1
7.18E-07	-0.72223	0.76	0.931	0.018301	3 VPS13A
1.23E-06	-0.69829	0.48	0.876	0.031422	3 EZR
1.27E-06	0.706268	1	0.972	0.032368	3 EBF1



1.42E-06	-0.57324	0.68	0.917	0.036244	3 AK1
1.44E-06	0.990054	0.72	0.4	0.036666	3 AOX1
1.52E-06	-0.56925	0.96	0.986	0.038626	3 ARPC1B
1.58E-06	0.538223	1	0.855	0.040341	3 DCLK1
1.69E-06	-0.66465	1	0.986	0.04311	3 KYNU
1.91E-06	-0.77169	0.96	0.952	0.048561	3 EML1