

Table S2 DEGs identified by analyzing 20 transcriptomes

Gene Id	Log2FC	p value	p adj	Symbol
ENSG00000179914	-5.915151391	3.51E-13	1.83E-10	ITLN1
ENSG00000239839	-5.560072723	6.09E-10	1.25E-07	DEFA3
ENSG00000200372	-5.341661356	0.000134892	0.002243401	RNU5E-8P
ENSG00000235615	-5.01546773	1.23E-06	5.39E-05	AJ239322.1
ENSG00000275874	-4.724818753	1.89E-07	1.17E-05	PIC SAR
ENSG00000068985	-4.648273997	3.04E-05	0.000688076	PAGE1
ENSG00000231698	-4.589852831	2.03E-05	0.000504003	AP002856.2
ENSG00000255916	-4.428155965	9.58E-05	0.001704554	AC148477.1
ENSG00000110203	-4.306829059	3.21E-14	2.34E-11	FOLR3
ENSG00000198358	-4.271876414	3.68E-10	8.36E-08	AL354714.1
ENSG00000274331	-4.200383004	1.98E-05	0.000494102	AL355974.1
ENSG00000164821	-4.181131012	0.000158746	0.002544988	DEFA4
ENSG00000277702	-4.07396038	0.000167429	0.002654192	AC239859.6
ENSG00000124253	-4.016365013	2.16E-05	0.00052724	PCK1
ENSG00000261706	-4.014398621	2.61E-05	0.000610555	LINC00165
ENSG00000238542	-3.992169273	1.98E-05	0.000494102	RNU7-104P
ENSG00000250815	-3.986130141	9.67E-05	0.00171555	AC105384.2
ENSG00000274269	-3.950340287	1.87E-05	0.000471051	AL031665.1
ENSG00000168484	-3.908643858	4.41E-08	3.68E-06	SFTPC
ENSG00000271399	-3.906903326	0.000324792	0.004518098	AL078624.1
ENSG00000168903	-3.883151488	9.75E-07	4.48E-05	BTNL3
ENSG00000253376	-3.836930268	7.82E-06	0.000235188	AC012103.1
ENSG00000062096	-3.807637068	0.000401335	0.005315522	ARSF
ENSG00000243566	-3.806063787	4.10E-12	1.80E-09	UPK3B
ENSG00000167434	-3.783827269	8.85E-10	1.55E-07	CA4
ENSG00000158764	-3.768236656	2.18E-08	2.05E-06	ITLN2
ENSG00000267603	-3.710750812	0.000155979	0.002513766	LINC01028
ENSG00000122136	-3.691785967	1.53E-05	0.00039841	OBP2A
ENSG00000149516	-3.639457655	0.000612487	0.007277077	MS4A3

ENSG00000148671	-3.638196376	4.33E-09	5.64E-07	ADIRF
ENSG00000275178	-3.595384531	1.52E-07	9.83E-06	AC018529.1
ENSG00000236054	-3.562035729	4.06E-08	3.46E-06	Z82246.1
ENSG00000132872	-3.540515602	8.68E-07	4.06E-05	SYT4
ENSG00000249106	-3.466685253	2.33E-05	0.000559858	AC097537.1
ENSG00000180440	-3.461595489	3.11E-07	1.75E-05	SERTM1
ENSG00000261143	-3.459167789	2.01E-12	9.20E-10	ADAMTS7P3
ENSG00000130226	-3.419626275	2.35E-09	3.53E-07	DPP6
ENSG00000164047	-3.399466941	3.45E-07	1.90E-05	CAMP
ENSG00000257604	-3.39377155	1.11E-08	1.24E-06	AC027288.2
ENSG00000168481	-3.387363571	3.71E-11	1.14E-08	LGI3
ENSG00000105509	-3.358703781	8.44E-05	0.001540986	HAS1
ENSG00000232188	-3.32837967	2.10E-08	2.01E-06	AL354714.3
ENSG00000272473	-3.326837759	6.17E-07	3.08E-05	AC006273.1
ENSG00000237859	-3.325915117	0.00034832	0.004770346	EEF1A1P31
ENSG00000272789	-3.322614593	1.65E-08	1.70E-06	AC010976.2
ENSG00000163221	-3.303668186	2.00E-08	1.94E-06	S100A12
ENSG00000187094	-3.303630268	1.86E-09	2.93E-07	CCK
ENSG00000269186	-3.302970679	1.94E-05	0.000484319	LINC01082
ENSG00000169594	-3.301251882	1.47E-05	0.000385661	BNC1
ENSG00000183090	-3.291128653	1.77E-08	1.78E-06	FREM3
ENSG00000274594	-3.225332179	0.000261394	0.003785403	AL391669.1
ENSG00000276269	-3.220812771	1.68E-05	0.000430115	AL355974.3
ENSG00000224228	-3.204946787	7.82E-06	0.000235188	AL031599.1
ENSG00000261026	-3.203362039	0.000667576	0.007789912	AC105046.1
ENSG00000114113	-3.202228969	1.41E-09	2.29E-07	RBP2
ENSG00000267206	-3.198416586	2.31E-05	0.000555571	LCN6
ENSG00000141744	-3.175369887	2.55E-07	1.48E-05	PNMT
ENSG00000163736	-3.165247551	1.31E-05	0.00035106	PPBP
ENSG00000224215	-3.158065096	7.64E-08	5.74E-06	AL606469.1
ENSG00000233746	-3.157744568	8.77E-06	0.000257798	LINC00656

ENSG00000107859	-3.15573739	6.91E-06	0.000215937	PITX3
ENSG00000163815	-3.14903583	5.51E-10	1.15E-07	CLEC3B
ENSG00000184113	-3.135167438	1.98E-08	1.93E-06	CLDN5
ENSG00000110786	-3.125529461	1.43E-12	6.88E-10	PTPN5
ENSG00000187821	-3.124782439	0.000437654	0.005659819	HELT
ENSG00000140600	-3.090329153	1.02E-07	7.19E-06	SH3GL3
ENSG00000244215	-3.067499257	0.000216583	0.003272069	LINC02016
ENSG00000214888	-3.060417661	3.88E-05	0.000836808	AL772337.1
ENSG00000234763	-3.05972499	4.26E-05	0.000899705	AL359378.2
ENSG00000108342	-3.051489172	5.85E-06	0.000188658	CSF3
ENSG00000167779	-3.043926202	3.99E-08	3.41E-06	IGFBP6
ENSG00000136244	-3.037461429	2.12E-06	8.39E-05	IL6
ENSG00000179133	-3.034022153	7.29E-07	3.50E-05	C10ORF67
ENSG00000161649	-3.010334567	8.24E-07	3.89E-05	CD300LG
ENSG00000125895	-3.007183716	2.27E-11	7.64E-09	TMEM74B
ENSG00000084453	-3.006118579	1.40E-07	9.21E-06	SLCO1A2
ENSG00000153002	-3.004364287	3.40E-05	0.000755146	CPB1
ENSG00000277494	-3.002231199	8.66E-08	6.39E-06	GPIHBP1
ENSG00000253964	-2.996802281	0.000558076	0.006812527	RPL31P40
ENSG00000254568	-2.995431287	2.73E-10	6.44E-08	AP003501.1
ENSG00000268505	-2.99463439	1.77E-08	1.78E-06	AC135012.3
ENSG00000234567	-2.977989029	5.11E-11	1.52E-08	AL024497.2
ENSG00000010379	-2.95375653	4.53E-10	9.79E-08	SLC6A13
ENSG00000267000	-2.931748613	2.64E-06	9.97E-05	AC016229.1
ENSG00000229081	-2.915175353	9.72E-05	0.001721157	LINC01165
ENSG00000236242	-2.912192657	2.26E-08	2.12E-06	MYO16-AS1
ENSG00000170323	-2.902994717	2.12E-05	0.000521354	FABP4
ENSG00000275678	-2.901954958	0.000212962	0.003233266	AL133320.1
ENSG00000134548	-2.876786665	1.08E-13	6.91E-11	SPX
ENSG00000114854	-2.876682267	1.48E-06	6.21E-05	TNNC1
ENSG00000205362	-2.86886581	2.42E-05	0.000576546	MT1A

ENSG0000005381	-2.862405052	1.26E-05	0.000341939	MPO
ENSG00000102683	-2.854756027	7.81E-09	9.22E-07	SGCG
ENSG00000250431	-2.845955774	4.45E-06	0.000151819	AC105914.2
ENSG00000169035	-2.844682216	6.24E-05	0.001207238	KLK7
ENSG00000188015	-2.840636995	1.19E-07	8.19E-06	S100A3
ENSG00000224525	-2.824777631	5.42E-06	0.000177001	AL591686.1
ENSG00000267774	-2.823741364	2.00E-09	3.08E-07	AC010776.2
ENSG00000199482	-2.815575843	0.000894804	0.009736323	RNU6-633P
ENSG00000137441	-2.812914189	5.30E-08	4.25E-06	FGFBP2
ENSG00000102104	-2.812560149	2.71E-11	8.77E-09	RS1
ENSG00000203886	-2.803924069	4.66E-05	0.000967886	CYP17A1-AS1
ENSG00000105227	-2.799433263	5.47E-10	1.15E-07	PRX
ENSG00000244280	-2.796346562	3.24E-06	0.000117285	ECEL1P2
ENSG00000073754	-2.786960011	9.14E-12	3.55E-09	CD5L
ENSG00000168539	-2.78551074	1.29E-05	0.000348421	CHRM1
ENSG00000150625	-2.785025826	1.85E-10	4.58E-08	GPM6A
ENSG00000101280	-2.779861484	3.43E-10	7.85E-08	ANGPT4
ENSG00000169704	-2.77936817	4.16E-05	0.000883568	GP9
ENSG00000168594	-2.758627097	1.40E-06	5.93E-05	ADAM29
ENSG00000268038	-2.754753643	0.000762907	0.008631894	LINC01785
ENSG00000251056	-2.731396415	7.90E-05	0.001462091	ANKRD20A17I
ENSG00000169181	-2.721696936	7.32E-06	0.000224507	GSG1L
ENSG00000276203	-2.715008279	0.000107491	0.00186754	ANKRD20A3
ENSG00000232234	-2.714071233	0.000484752	0.006111853	AL359378.1
ENSG00000205364	-2.713294014	4.80E-05	0.000993097	MT1M
ENSG00000183019	-2.711603015	1.54E-05	0.000399864	MCEMP1
ENSG00000171243	-2.701352498	0.000191538	0.002971408	SOSTDC1
ENSG00000138483	-2.675912779	0.000339522	0.004674291	CCDC54
ENSG00000253959	-2.673082408	3.25E-06	0.000117423	LINC01863
ENSG00000008438	-2.669522996	7.73E-05	0.001435062	PGLYRP1
ENSG00000178084	-2.667656783	9.58E-05	0.001704554	HTR3C

ENSG00000115523	-2.66478696	2.37E-06	9.19E-05	GNLY
ENSG00000169836	-2.653326705	0.000633313	0.00748397	TACR3
ENSG00000235385	-2.653022528	2.34E-07	1.39E-05	LINC02154
ENSG00000273650	-2.651940905	3.70E-06	0.000130355	AC100793.4
ENSG00000268388	-2.647710146	4.42E-07	2.35E-05	FENDRR
ENSG00000133169	-2.640890508	1.17E-05	0.000325796	BEX1
ENSG00000131097	-2.626078162	2.30E-09	3.48E-07	HIGD1B
ENSG00000273664	-2.623961521	1.74E-06	7.12E-05	AC010776.3
ENSG00000240666	-2.616891217	1.98E-08	1.93E-06	MME-AS1
ENSG00000166183	-2.609749859	2.42E-07	1.42E-05	ASPG
ENSG00000161835	-2.608957459	2.32E-07	1.38E-05	GRASP
ENSG00000167754	-2.607386092	2.74E-06	0.000102177	KLK5
ENSG00000142748	-2.598173254	0.000224553	0.003367851	FCN3
ENSG00000276850	-2.595245671	5.36E-06	0.000175132	AC245041.2
ENSG00000163464	-2.58798938	1.42E-08	1.49E-06	CXCR1
ENSG00000183287	-2.587307785	5.04E-09	6.40E-07	CCBE1
ENSG00000254847	-2.581121817	5.71E-05	0.001128566	AC009806.1
ENSG00000182533	-2.577384728	3.43E-05	0.000760837	CAV3
ENSG00000263155	-2.569510139	4.66E-07	2.46E-05	MYZAP
ENSG00000186326	-2.565492094	2.69E-14	2.02E-11	RGS9BP
ENSG00000179428	-2.563419899	4.80E-05	0.00099305	AC073072.1
ENSG00000107295	-2.55628949	2.54E-06	9.69E-05	SH3GL2
ENSG00000149435	-2.548793411	1.02E-06	4.66E-05	GGTLC1
ENSG00000261863	-2.547146547	6.49E-10	1.28E-07	LINC01996
ENSG00000184374	-2.542609337	0.000251428	0.003667023	COLEC10
ENSG00000152208	-2.526361582	0.000371692	0.005012703	GRID2
ENSG00000244734	-2.525203563	3.53E-06	0.000125316	HBB
ENSG00000154342	-2.521740444	7.51E-06	0.000228321	WNT3A
ENSG00000155511	-2.520392464	4.69E-09	5.99E-07	GRIA1
ENSG00000132622	-2.517855565	9.12E-11	2.41E-08	HSPA12B
ENSG00000237525	-2.51399074	3.22E-08	2.84E-06	AC012668.3

ENSG00000162747	-2.505775476	4.24E-09	5.58E-07	FCGR3B
ENSG00000185985	-2.503173529	7.90E-08	5.90E-06	SLITRK2
ENSG00000261222	-2.498547414	2.91E-08	2.60E-06	AC064805.1
ENSG00000243806	-2.49821139	8.48E-05	0.001546897	RPL7P18
ENSG00000128383	-2.498101112	7.33E-06	0.000224579	APOBEC3A
ENSG00000122679	-2.491530734	2.18E-07	1.31E-05	RAMP3
ENSG00000179300	-2.490726394	8.79E-06	0.000258092	RTL3
ENSG00000255147	-2.485194568	0.000490486	0.006158852	AP003385.6
ENSG00000229732	-2.484283767	0.000544818	0.00668791	AC019349.1
ENSG00000266120	-2.477313771	0.000439716	0.005676922	AC104984.4
ENSG00000251230	-2.47570082	4.36E-09	5.65E-07	MIR3945HG
ENSG00000112837	-2.462850285	0.000588038	0.007068656	TBX18
ENSG00000226886	-2.46188714	0.000377881	0.005074827	AC093787.1
ENSG00000114654	-2.459215316	9.87E-11	2.57E-08	EFCC1
ENSG00000168309	-2.457732469	9.98E-08	7.12E-06	FAM107A
ENSG00000233884	-2.457298234	9.34E-05	0.001675311	AL772337.2
ENSG00000158246	-2.453687926	5.15E-07	2.67E-05	FAM46B
ENSG00000171819	-2.44633946	1.26E-05	0.000343073	ANGPTL7
ENSG00000105974	-2.445809343	2.99E-08	2.66E-06	CAV1
ENSG00000186994	-2.439538344	2.70E-09	3.86E-07	KANK3
ENSG00000131055	-2.439392534	2.02E-06	8.11E-05	COX4I2
ENSG00000223573	-2.43862873	1.85E-06	7.51E-05	TINCR
ENSG00000198454	-2.436812947	0.000427478	0.005577557	PRR31
ENSG00000230635	-2.435371779	0.000241996	0.003560116	CYP4F60P
ENSG00000272823	-2.432317615	7.19E-05	0.001355805	AL445423.1
ENSG00000198576	-2.431955037	8.69E-08	6.39E-06	ARC
ENSG00000265190	-2.430172603	4.07E-06	0.000141324	ANXA8
ENSG00000264230	-2.428583244	5.54E-05	0.001100116	ANXA8L1
ENSG00000224940	-2.426458032	2.59E-05	0.000606762	PRRT4
ENSG00000166091	-2.426395343	1.76E-05	0.000447899	CMTM5
ENSG0000019169	-2.424493071	0.000359245	0.004882811	MARCO

ENSG00000282012	-2.411193653	0.000387683	0.005188433	AP000357.2
ENSG00000211445	-2.408744155	3.14E-07	1.76E-05	GPX3
ENSG00000154764	-2.408165942	1.15E-06	5.09E-05	WNT7A
ENSG00000155897	-2.401362969	3.11E-05	0.000701006	ADCY8
ENSG00000229969	-2.396164491	1.23E-09	2.06E-07	AL136982.2
ENSG00000043591	-2.394889444	1.59E-06	6.62E-05	ADRB1
ENSG00000131477	-2.389212092	7.06E-09	8.43E-07	RAMP2
ENSG00000163737	-2.386207153	3.47E-05	0.000767672	PF4
ENSG00000228692	-2.384891545	0.00051741	0.00641819	AL445307.1
ENSG00000203506	-2.38406244	2.11E-05	0.000520245	RBMS3-AS2
ENSG00000143546	-2.383079476	6.22E-05	0.001205448	S100A8
ENSG00000241644	-2.382670452	2.06E-08	1.99E-06	INMT
ENSG00000235688	-2.374612308	7.44E-07	3.57E-05	AC116614.1
ENSG00000236816	-2.361221798	0.000753658	0.008560141	ANKRD20A7P
ENSG00000159307	-2.355491581	5.98E-08	4.72E-06	SCUBE1
ENSG00000196549	-2.354383359	9.35E-06	0.000270235	MME
ENSG00000169218	-2.346989193	1.23E-07	8.41E-06	RSPO1
ENSG00000279050	-2.34098711	0.000804142	0.008970146	PWAR1
ENSG00000177494	-2.333394999	1.35E-05	0.000360454	ZBED2
ENSG00000166523	-2.331914866	7.47E-10	1.38E-07	CLEC4E
ENSG00000116194	-2.331743622	1.27E-08	1.37E-06	ANGPTL1
ENSG00000246430	-2.327083224	2.13E-06	8.40E-05	LINC00968
ENSG00000234754	-2.326228463	0.000274989	0.003941375	C1ORF140
ENSG00000273771	-2.319558156	1.38E-11	5.18E-09	AC024337.2
ENSG00000179270	-2.317720562	7.25E-05	0.001364228	C2ORF71
ENSG00000168874	-2.313043854	2.17E-06	8.57E-05	ATOH8
ENSG00000182575	-2.304833688	2.47E-09	3.64E-07	NXP3
ENSG00000196196	-2.304232148	2.10E-05	0.000518148	HRCT1
ENSG00000164035	-2.302542004	2.41E-08	2.24E-06	EMCN
ENSG00000139567	-2.301020989	1.38E-08	1.46E-06	ACVRL1
ENSG00000231007	-2.300190906	8.51E-05	0.001549011	CDC20P1

ENSG00000157927	-2.297870613	2.15E-08	2.04E-06	RADIL
ENSG00000248464	-2.297564859	5.25E-07	2.70E-05	FGF10-AS1
ENSG00000126895	-2.295685995	4.61E-08	3.81E-06	AVPR2
ENSG00000165810	-2.289673644	2.78E-07	1.59E-05	BTNL9
ENSG00000139767	-2.28899731	4.24E-05	0.000895597	SRRM4
ENSG00000181072	-2.28891058	4.94E-05	0.001012409	CHRM2
ENSG00000081248	-2.288203511	8.36E-06	0.000248169	CACNA1S
ENSG00000254447	-2.287719098	0.000125336	0.002114257	OR7E11P
ENSG00000248551	-2.282341145	0.000130435	0.002184658	AC095050.1
ENSG00000250686	-2.28215049	7.35E-05	0.001377659	AL049544.1
ENSG00000171509	-2.27635665	1.51E-07	9.78E-06	RXFP1
ENSG00000180739	-2.273702164	1.73E-08	1.76E-06	S1PR5
ENSG00000139304	-2.269629144	0.000110972	0.001916178	PTPRQ
ENSG00000036473	-2.267025966	4.55E-06	0.000154048	OTC
ENSG00000272856	-2.266162856	0.000656113	0.007679756	AC112250.2
ENSG00000166960	-2.259226965	0.000530356	0.006549658	CCDC178
ENSG00000112782	-2.251318657	4.33E-06	0.000148768	CLIC5
ENSG00000166292	-2.247774377	0.000428546	0.005584381	TMEM100
ENSG00000169271	-2.244671597	1.58E-05	0.000408019	HSPB3
ENSG00000275830	-2.241901969	1.76E-05	0.000446665	AL355974.2
ENSG00000178597	-2.237418265	3.49E-05	0.000770978	PSAPL1
ENSG00000160867	-2.230515455	4.34E-09	5.64E-07	FGFR4
ENSG00000280255	-2.227027593	4.95E-06	0.000164602	AC004947.2
ENSG00000171303	-2.226210684	1.86E-06	7.53E-05	KCNK3
ENSG00000150201	-2.224023964	6.13E-05	0.001190269	FXVD4
ENSG00000214578	-2.222066319	2.07E-07	1.26E-05	HMGN2P15
ENSG00000204403	-2.220695184	5.49E-12	2.28E-09	CASP12
ENSG00000182010	-2.218367536	7.97E-05	0.00147339	RTKN2
ENSG00000134115	-2.218260953	1.25E-05	0.000340743	CNTN6
ENSG00000257894	-2.217300292	3.86E-05	0.00083512	AC027288.3
ENSG00000225683	-2.213259224	0.000732328	0.008351861	PACRG-AS3

ENSG00000275612	-2.206477369	0.00047195	0.006002104	AC104237.2
ENSG00000267328	-2.201787472	1.17E-05	0.000324738	AC002398.2
ENSG00000140505	-2.193999647	1.11E-05	0.000310681	CYP1A2
ENSG00000163687	-2.191781906	4.51E-11	1.36E-08	DNASE1L3
ENSG00000249751	-2.185699134	6.32E-05	0.001221241	ECSCR
ENSG00000166527	-2.18122723	2.28E-06	8.93E-05	CLEC4D
ENSG00000283422	-2.176981826	0.000296718	0.004194083	LINC02452
ENSG00000170956	-2.176144868	1.34E-05	0.000358335	CEACAM3
ENSG00000283945	-2.170845132	4.82E-06	0.00016176	LINC00032
ENSG00000124003	-2.162805927	0.000160439	0.002564103	MOGAT1
ENSG00000161905	-2.161989354	5.78E-06	0.000186904	ALOX15
ENSG00000168497	-2.16123035	3.60E-07	1.98E-05	CAVIN2
ENSG00000135406	-2.160724632	0.000430396	0.005601345	PRPH
ENSG00000167588	-2.153531724	4.13E-05	0.000878543	GPD1
ENSG00000239268	-2.152545073	0.000165059	0.002624277	AC092691.1
ENSG00000188536	-2.148877551	3.40E-05	0.000755064	HBA2
ENSG00000168952	-2.147495596	1.19E-05	0.000329045	STXBP6
ENSG00000108381	-2.146772662	2.79E-08	2.52E-06	ASPA
ENSG00000234281	-2.142856199	6.89E-09	8.30E-07	LANCL1-AS1
ENSG00000105374	-2.142423696	1.07E-06	4.83E-05	NKG7
ENSG00000232077	-2.140597407	0.000590131	0.007083525	LINC01031
ENSG00000278910	-2.140254713	2.68E-05	0.000624086	BANCR
ENSG00000100450	-2.137955807	6.77E-08	5.27E-06	GZMH
ENSG00000105538	-2.137175277	5.04E-10	1.07E-07	RASIP1
ENSG00000154133	-2.135663956	9.50E-09	1.09E-06	ROBO4
ENSG00000150471	-2.135056994	2.14E-07	1.30E-05	ADGRL3
ENSG00000234506	-2.132670818	0.000258208	0.003746332	LINC01506
ENSG00000149403	-2.132099561	5.76E-09	7.13E-07	GRIK4
ENSG00000158164	-2.130093466	9.06E-05	0.001632203	TMSB15A
ENSG00000133800	-2.122897524	5.96E-05	0.001161548	LYVE1
ENSG00000182950	-2.122828857	1.07E-06	4.82E-05	ODF3L1

ENSG00000186417	-2.120727636	1.02E-08	1.16E-06	GLDN
ENSG00000236013	-2.120089681	5.17E-05	0.001047032	AL138737.1
ENSG00000270972	-2.112665088	2.86E-05	0.000655864	AC136475.9
ENSG00000230498	-2.111304354	3.12E-05	0.000702741	AL035409.1
ENSG00000162631	-2.110273822	1.32E-06	5.66E-05	NTNG1
ENSG00000144893	-2.105732021	1.96E-11	6.92E-09	MED12L
ENSG00000176971	-2.104978886	1.49E-08	1.55E-06	FIBIN
ENSG00000234880	-2.10225109	4.90E-05	0.001008175	LINC00163
ENSG00000148488	-2.100216546	0.000312609	0.004376386	ST8SIA6
ENSG00000250986	-2.10004724	0.000590198	0.007083525	AC141928.1
ENSG00000215595	-2.096643712	2.64E-08	2.41E-06	C20ORF202
ENSG00000248692	-2.094771017	1.89E-08	1.88E-06	ADGRL3-AS1
ENSG00000114812	-2.092924475	2.08E-05	0.000515703	VIPR1
ENSG00000109846	-2.092077262	2.24E-06	8.80E-05	CRYAB
ENSG00000156076	-2.091187675	0.000252495	0.003675605	WIF1
ENSG00000163283	-2.088364621	0.000852499	0.009364067	ALPP
ENSG00000205038	-2.087713715	1.17E-05	0.000324744	PKHD1L1
ENSG00000138669	-2.084247979	9.40E-07	4.33E-05	PRKG2
ENSG00000206172	-2.080371594	0.000231639	0.00345221	HBA1
ENSG00000233002	-2.078998131	0.000417278	0.005474721	AC005324.1
ENSG00000130307	-2.078500029	3.58E-09	4.85E-07	USHBP1
ENSG00000257002	-2.076256964	9.05E-05	0.001630704	AP000438.1
ENSG00000149451	-2.071897232	4.99E-06	0.000165667	ADAM33
ENSG00000185198	-2.071540902	0.00013693	0.002271146	PRSS57
ENSG00000125414	-2.070293106	3.68E-05	0.000803258	MYH2
ENSG00000180720	-2.069592665	0.000804838	0.008970146	CHRM4
ENSG00000117069	-2.063465212	1.45E-08	1.51E-06	ST6GALNAC5
ENSG00000153902	-2.063148669	1.61E-06	6.69E-05	LGI4
ENSG00000136160	-2.061005414	7.60E-06	0.000230513	EDNRB
ENSG00000004776	-2.058494616	1.44E-05	0.000379959	HSPB6
ENSG00000107742	-2.057805068	7.32E-10	1.38E-07	SPOCK2

ENSG00000165621	-2.055080454	0.000294509	0.004172463	OXGR1
ENSG00000072163	-2.053580886	4.70E-08	3.85E-06	LIMS2
ENSG00000275155	-2.051026366	0.000331566	0.004585316	AC027348.1
ENSG00000012171	-2.049679082	4.46E-05	0.00093417	SEMA3B
ENSG00000272783	-2.049561642	0.000409368	0.005398634	AC147067.2
ENSG00000104967	-2.04885365	6.48E-10	1.28E-07	NOVA2
ENSG00000248222	-2.048826131	0.000257668	0.003740262	AC011389.1
ENSG00000124440	-2.044814515	2.15E-07	1.30E-05	HIF3A
ENSG00000204583	-2.044124482	7.30E-08	5.59E-06	LRCOL1
ENSG00000099957	-2.041911949	7.26E-05	0.001365863	P2RX6
ENSG00000142227	-2.040072199	7.96E-06	0.000239004	EMP3
ENSG00000134201	-2.03728674	3.30E-06	0.000118796	GSTM5
ENSG00000227954	-2.03366267	1.69E-08	1.73E-06	TARID
ENSG00000182782	-2.032339459	2.98E-06	0.000109466	HCAR2
ENSG00000134962	-2.03180865	8.04E-05	0.00148028	KLB
ENSG00000185737	-2.031128089	5.55E-05	0.001101378	NRG3
ENSG00000229240	-2.030550827	5.97E-06	0.000192127	LINC00710
ENSG00000129596	-2.029111912	6.39E-10	1.28E-07	CDO1
ENSG00000120645	-2.028517872	1.29E-05	0.000348421	IQSEC3
ENSG00000152779	-2.025790263	7.14E-07	3.47E-05	SLC16A12
ENSG00000168907	-2.01810316	7.61E-06	0.000230605	PLA2G4F
ENSG00000149798	-2.016588003	3.89E-05	0.000838586	CDC42EP2
ENSG00000066813	-2.01560403	0.00050184	0.00626046	ACSM2B
ENSG00000144278	-2.013668853	0.000395068	0.005262034	GALNT13
ENSG00000102760	-2.013097924	2.13E-10	5.16E-08	RGCC
ENSG00000117834	-2.013062786	5.01E-07	2.61E-05	SLC5A9
ENSG00000198844	-2.00294049	7.10E-08	5.47E-06	ARHGEF15
ENSG00000169994	-2.001920071	5.65E-07	2.87E-05	MYO7B
ENSG00000072657	-2.001632462	7.05E-05	0.00133683	TRHDE
ENSG00000243144	-1.996324614	6.91E-08	5.36E-06	AC079760.2
ENSG00000222267	-1.995935496	0.000899133	0.009771427	RNU6-892P

ENSG00000103034	-1.994613878	3.23E-06	0.000117184	NDRG4
ENSG00000185614	-1.994158968	0.00024048	0.003552921	FAM212A
ENSG00000255330	-1.992982129	9.99E-08	7.12E-06	AL096711.2
ENSG00000177725	-1.991342886	0.000774232	0.008729229	AC105206.1
ENSG00000182255	-1.989914796	0.00021741	0.003278404	KCNA4
ENSG00000237887	-1.989613088	4.29E-06	0.000147882	RPL23AP32
ENSG00000266964	-1.986129481	1.13E-05	0.000315971	FXYD1
ENSG00000118526	-1.985262648	1.96E-08	1.93E-06	TCF21
ENSG00000198574	-1.983702495	3.65E-05	0.000799201	SH2D1B
ENSG00000122852	-1.983590137	0.000153761	0.002483229	SFTPA1
ENSG00000138741	-1.98296027	3.68E-06	0.000130003	TRPC3
ENSG00000022267	-1.981684097	1.00E-05	0.000286036	FHL1
ENSG00000165197	-1.980801243	1.05E-07	7.36E-06	VEGFD
ENSG00000180871	-1.97906393	1.73E-08	1.76E-06	CXCR2
ENSG00000226252	-1.977197571	1.27E-06	5.52E-05	AL135960.1
ENSG00000259471	-1.974982502	0.000868381	0.009504512	LINC01169
ENSG00000130208	-1.974553729	0.000811183	0.00901344	APOC1
ENSG00000184905	-1.963530656	7.50E-06	0.000228321	TCEAL2
ENSG00000143171	-1.961616325	1.35E-05	0.000359076	RXRG
ENSG00000272180	-1.961498639	0.000165815	0.002633564	AC011306.1
ENSG00000101331	-1.958966934	6.79E-08	5.27E-06	CCM2L
ENSG00000279805	-1.957354341	5.13E-06	0.000169412	Z95114.3
ENSG00000200253	-1.956017245	5.53E-05	0.001100116	RNU6-529P
ENSG00000153822	-1.955349261	0.000643803	0.007575848	KCNJ16
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ENSG00000231943	-1.949064359	2.48E-05	0.000587636	PGM5P4-AS1
ENSG00000106538	-1.948254943	8.14E-05	0.001493314	RARRES2
ENSG00000173114	-1.946876318	1.07E-06	4.83E-05	LRRN3
ENSG00000171049	-1.943017281	4.11E-05	0.000877314	FPR2
ENSG00000205086	-1.942507028	0.000110644	0.001912656	C2ORF91
ENSG00000152580	-1.941757651	8.72E-05	0.0015762	IGSF10

ENSG00000184185	-1.939978239	3.44E-07	1.90E-05	KCNJ12
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ENSG00000162367	-1.935280979	8.51E-07	3.99E-05	TAL1
ENSG00000256249	-1.935132717	2.48E-05	0.000587377	AC026333.3
ENSG00000227467	-1.93502983	1.73E-05	0.000440584	LINC01537
ENSG00000280304	-1.934360925	0.000187613	0.002923805	AC104260.2
ENSG00000120907	-1.934017232	0.000820884	0.009091621	ADRA1A
ENSG00000254943	-1.93401572	0.000336227	0.004639324	AP003501.2
ENSG00000146469	-1.931563608	1.09E-06	4.87E-05	VIP
ENSG00000159708	-1.931317156	0.000540682	0.006642448	LRRC36
ENSG00000143167	-1.931215759	4.02E-05	0.000858595	GPA33
ENSG00000277631	-1.930772418	1.59E-05	0.000410745	PGM5P3-AS1
ENSG00000103241	-1.924922517	1.35E-06	5.76E-05	FOXF1
ENSG00000267280	-1.923591557	2.66E-07	1.54E-05	TBX2-AS1
ENSG00000236333	-1.920386357	8.47E-06	0.000250544	TRHDE-AS1
ENSG00000164619	-1.916717256	1.97E-05	0.000491045	BMPER
ENSG00000165323	-1.909966691	1.49E-05	0.000390232	FAT3
ENSG00000187950	-1.908455896	1.42E-05	0.000375602	OVCH1
ENSG00000178826	-1.907432169	2.94E-06	0.00010821	TMEM139
ENSG00000125355	-1.905380222	1.38E-07	9.09E-06	TMEM255A
ENSG00000235770	-1.90497561	8.21E-11	2.21E-08	LINC00607
ENSG00000064205	-1.904402305	0.000497323	0.006214213	WISP2
ENSG00000094963	-1.901225587	7.52E-05	0.001403714	FMO2
ENSG00000253829	-1.900420572	0.000450573	0.005778218	AC067817.2
ENSG00000108823	-1.897717168	0.00029658	0.004194054	SGCA
ENSG00000167549	-1.897080601	4.30E-08	3.60E-06	CORO6
ENSG00000101307	-1.896402191	1.17E-06	5.14E-05	SIRPB1
ENSG00000279312	-1.893713959	2.70E-06	0.00010103	AL136164.4
ENSG00000233038	-1.889909003	2.54E-09	3.72E-07	AC011899.2
ENSG00000197291	-1.888891339	1.51E-06	6.32E-05	RAMP2-AS1
ENSG00000100012	-1.887784473	0.000473738	0.006012501	SEC14L3

ENSG00000186204	-1.887445251	1.61E-05	0.000414389	CYP4F12
ENSG00000186198	-1.887208141	1.81E-07	1.13E-05	SLC51B
ENSG00000196616	-1.886852113	9.72E-06	0.000278756	ADH1B
ENSG00000198848	-1.886240381	0.00029053	0.004129425	CES1
ENSG00000225398	-1.885598523	4.13E-07	2.23E-05	PGM5P4
ENSG00000103313	-1.884030235	9.25E-16	1.01E-12	MEFV
ENSG00000126759	-1.882906243	0.000180249	0.002823374	CFP
ENSG00000135218	-1.879356441	4.01E-05	0.000858595	CD36
ENSG00000213853	-1.877649101	7.60E-10	1.39E-07	EMP2
ENSG00000198873	-1.875205131	3.31E-09	4.54E-07	GRK5
ENSG00000129467	-1.87168028	1.81E-07	1.13E-05	ADCY4
ENSG00000135604	-1.871247626	1.82E-06	7.42E-05	STX11
ENSG00000197465	-1.869812517	9.07E-06	0.000263955	GYPE
ENSG00000121068	-1.868874896	1.19E-08	1.31E-06	TBX2
ENSG00000159640	-1.868267364	6.45E-09	7.86E-07	ACE
ENSG00000266524	-1.867312825	5.44E-06	0.000177421	GDF10
ENSG00000145861	-1.867194779	2.32E-06	9.06E-05	C1QTNF2
ENSG00000162722	-1.864540492	0.000539376	0.006630532	TRIM58
ENSG00000110887	-1.862793237	0.000422362	0.005529612	DAO
ENSG00000077522	-1.862279859	6.87E-06	0.000214829	ACTN2
ENSG00000182885	-1.860227909	4.92E-05	0.001009354	ADGRG3
ENSG00000176435	-1.860053661	9.02E-09	1.04E-06	CLEC14A
ENSG00000135063	-1.859579564	1.91E-09	2.99E-07	FAM189A2
ENSG00000163492	-1.85845282	0.000234401	0.003484908	CCDC141
ENSG00000235997	-1.858061757	3.28E-06	0.000118437	LINC01936
ENSG00000279289	-1.857163965	0.000153626	0.002483229	AL136164.3
ENSG00000176204	-1.855772192	2.28E-05	0.00055161	LRRTM4
ENSG00000129744	-1.855672792	5.95E-05	0.001161548	ART1
ENSG00000255398	-1.855545314	4.37E-07	2.33E-05	HCAR3
ENSG00000251458	-1.854680582	0.000585659	0.007051104	AC139491.4
ENSG00000211829	-1.85403566	1.44E-05	0.000378546	TRDC

ENSG00000160808	-1.849773076	0.00035944	0.004882811	MYL3
ENSG00000122694	-1.849114917	8.97E-07	4.16E-05	GLIPR2
ENSG00000112319	-1.847919752	0.000313879	0.004392154	EYA4
ENSG00000261208	-1.847868417	0.000605486	0.007215803	AL365475.1
ENSG00000185972	-1.847572462	1.57E-05	0.000405871	CCIN
ENSG00000144891	-1.846732073	2.48E-06	9.48E-05	AGTR1
ENSG00000177098	-1.846100376	2.96E-07	1.68E-05	SCN4B
ENSG00000134917	-1.843122069	1.06E-05	0.000300721	ADAMTS8
ENSG00000103175	-1.842112842	8.43E-05	0.001539786	WFDC1
ENSG00000148053	-1.8419634	0.000184532	0.00288312	NTRK2
ENSG00000171611	-1.837482457	0.000251715	0.003669469	PTCRA
ENSG00000273100	-1.836616705	8.33E-05	0.00152453	AL596442.2
ENSG00000253123	-1.834250919	6.32E-05	0.001221241	AC091182.1
ENSG00000271334	-1.833996109	0.000301996	0.004253021	LINC02104
ENSG00000187323	-1.831548806	8.53E-06	0.000251992	DCC
ENSG00000258498	-1.831025009	0.000669568	0.007805832	DIO3OS
ENSG00000078549	-1.824244779	1.86E-06	7.54E-05	ADCYAP1R1
ENSG00000071991	-1.823932571	0.000245655	0.003599924	CDH19
ENSG00000205018	-1.82355692	2.36E-06	9.16E-05	AC092384.1
ENSG00000120156	-1.819082021	0.000463709	0.005919469	TEK
ENSG00000114200	-1.818035684	4.30E-07	2.29E-05	BCHE
ENSG00000241935	-1.814437303	4.63E-05	0.000963459	HOGA1
ENSG00000157884	-1.814253759	0.000129911	0.002178258	CIB4
ENSG00000179776	-1.81402518	6.65E-05	0.00127532	CDH5
ENSG00000169862	-1.810180153	2.44E-05	0.000581227	CTNND2
ENSG00000257346	-1.808631089	0.000347529	0.004767094	AC011603.1
ENSG00000131634	-1.808211063	4.65E-08	3.84E-06	TMEM204
ENSG00000151632	-1.806712734	0.000631452	0.007467724	AKR1C2
ENSG00000162687	-1.806581606	8.62E-05	0.001564614	KCNT2
ENSG00000178217	-1.806183597	3.05E-05	0.000689525	SH2D4B
ENSG00000241158	-1.800241859	1.23E-05	0.000336782	ADAMTS9-AS1

ENSG00000213777	-1.800043736	0.000512576	0.006368517	AC011487.1
ENSG00000267530	-1.796637994	0.000431555	0.005609295	LINC01836
ENSG00000148604	-1.795624374	0.000225697	0.0033804	RGR
ENSG00000164736	-1.794028816	3.55E-06	0.000125839	SOX17
ENSG00000136002	-1.79327316	9.59E-05	0.001704706	ARHGEF4
ENSG00000248441	-1.792578931	6.39E-09	7.84E-07	LINC01197
ENSG00000174837	-1.790904195	1.34E-05	0.000358535	ADGRE1
ENSG00000173868	-1.790138941	1.45E-05	0.000381206	PHOSPHO1
ENSG00000085563	-1.78878024	9.78E-05	0.001729019	ABCB1
ENSG00000261730	-1.785974096	0.000403335	0.005337405	AL034346.1
ENSG00000235387	-1.783114624	1.82E-05	0.000458838	SPAAR
ENSG00000198756	-1.782215033	1.15E-05	0.000320676	COLGALT2
ENSG00000143196	-1.78057651	0.000127821	0.002145563	DPT
ENSG00000188729	-1.776739344	0.0006956	0.008052823	OSTN
ENSG00000279619	-1.775401214	0.000281434	0.004020615	AC020907.5
ENSG00000177469	-1.774978422	1.11E-09	1.87E-07	CAVIN1
ENSG00000171401	-1.77402803	0.000582485	0.007029432	KRT13
ENSG00000227051	-1.771126395	3.36E-08	2.90E-06	C14ORF132
ENSG00000168743	-1.770530831	1.40E-08	1.47E-06	NPNT
ENSG00000169418	-1.769664537	2.08E-08	2.00E-06	NPR1
ENSG00000257542	-1.769607677	1.41E-06	5.99E-05	OR7E47P
ENSG00000163501	-1.768026023	3.58E-05	0.000785628	IHH
ENSG00000236581	-1.763215685	0.000272133	0.0039114	STARD13-AS
ENSG00000188176	-1.76245511	3.88E-07	2.12E-05	SMTNL2
ENSG00000095370	-1.761866348	4.54E-08	3.76E-06	SH2D3C
ENSG00000055732	-1.761267551	4.05E-09	5.38E-07	MCOLN3
ENSG00000134539	-1.760805705	6.39E-06	0.000202563	KLRD1
ENSG00000092295	-1.760459498	8.78E-08	6.42E-06	TGM1
ENSG00000100181	-1.758815155	6.13E-06	0.000196255	TPTEP1
ENSG00000232696	-1.758266376	0.000849089	0.009333286	AC017006.2
ENSG00000272839	-1.756889888	0.000504516	0.006286177	AC011899.3

ENSG00000172476	-1.756580517	7.89E-07	3.74E-05	RAB40A
ENSG00000126458	-1.752507149	2.59E-05	0.000606762	RRAS
ENSG00000155659	-1.752459014	2.20E-06	8.67E-05	VSIG4
ENSG00000090006	-1.750678005	8.92E-08	6.48E-06	LTBP4
ENSG00000092421	-1.747476916	3.11E-05	0.000700718	SEMA6A
ENSG00000276644	-1.746027836	7.74E-05	0.001435062	DACH1
ENSG00000236078	-1.739380048	0.000106592	0.001853324	LINC01447
ENSG00000206384	-1.739205424	3.93E-05	0.000846572	COL6A6
ENSG00000227128	-1.737540323	3.00E-06	0.000109925	LBX1-AS1
ENSG00000263586	-1.73658914	3.88E-05	0.000836808	HID1-AS1
ENSG00000260398	-1.735654548	1.34E-05	0.000358535	AC068700.1
ENSG00000167261	-1.734385668	1.32E-06	5.66E-05	DPEP2
ENSG00000166928	-1.732527211	8.64E-06	0.000254651	MS4A14
ENSG00000177300	-1.731872634	8.13E-06	0.000242333	CLDN22
ENSG00000226239	-1.730387813	2.67E-06	0.000100403	AL031658.1
ENSG00000176697	-1.728779591	3.14E-06	0.000114874	BDNF
ENSG00000127920	-1.728584288	1.14E-06	5.05E-05	GNG11
ENSG00000269124	-1.726881955	5.40E-05	0.001080602	AC007193.2
ENSG00000171596	-1.726528273	8.04E-05	0.00148028	NMUR1
ENSG00000134363	-1.726411937	0.000789572	0.008856648	FST
ENSG00000180537	-1.722782901	5.48E-05	0.001092263	RNF182
ENSG00000179921	-1.721626179	1.05E-05	0.000298438	GPBAR1
ENSG00000165152	-1.718379609	5.64E-05	0.001116827	TMEM246
ENSG00000135114	-1.71828268	8.70E-07	4.06E-05	OASL
ENSG00000112232	-1.718190317	1.26E-05	0.000342113	KHDRBS2
ENSG00000240563	-1.718052429	0.000197957	0.003047167	L1TD1
ENSG00000213203	-1.718028426	7.11E-07	3.47E-05	GIMAP1
ENSG00000108370	-1.717715201	4.92E-05	0.001009354	RGS9
ENSG00000140945	-1.717441289	7.60E-07	3.62E-05	CDH13
ENSG00000144339	-1.717402098	5.97E-05	0.001162995	TMEFF2
ENSG00000251600	-1.7163148	7.00E-06	0.000217167	AC139713.2

ENSG00000156298	-1.716142379	5.57E-07	2.84E-05	TSPAN7
ENSG00000018280	-1.715449441	0.000290992	0.004134077	SLC11A1
ENSG00000171873	-1.713657339	4.78E-07	2.51E-05	ADRA1D
ENSG00000127241	-1.713649596	4.70E-05	0.000975024	MASP1
ENSG00000172543	-1.712667398	2.53E-05	0.00059555	CTSW
ENSG00000145147	-1.709222729	1.64E-06	6.77E-05	SLIT2
ENSG00000261888	-1.705530086	3.42E-07	1.89E-05	AC144831.1
ENSG00000106004	-1.704217032	2.67E-07	1.54E-05	HOXA5
ENSG00000279917	-1.704170605	0.000528116	0.006532508	AC079331.2
ENSG00000150045	-1.704117735	3.12E-05	0.000702741	KLRF1
ENSG00000261371	-1.703993649	2.15E-09	3.29E-07	PECAM1
ENSG00000263970	-1.703880999	2.17E-08	2.04E-06	AP001094.1
ENSG00000245105	-1.702997755	6.88E-05	0.00131101	A2M-AS1
ENSG00000112902	-1.701788693	3.91E-05	0.000841219	SEMA5A
ENSG00000146250	-1.701112	1.25E-06	5.44E-05	PRSS35
ENSG00000164683	-1.700683419	8.63E-06	0.000254539	HEY1
ENSG00000116016	-1.700579071	8.56E-05	0.001555771	EPAS1
ENSG00000136114	-1.698336734	1.96E-11	6.92E-09	THSD1
ENSG00000136732	-1.698326789	2.58E-06	9.79E-05	GYPC
ENSG00000122548	-1.696732426	0.000492912	0.00617669	KIAA0087
ENSG00000142449	-1.691088036	0.000458959	0.00586615	FBN3
ENSG00000260940	-1.687597353	8.80E-05	0.00158872	AL109741.3
ENSG00000128268	-1.687471561	0.000134875	0.002243401	MGAT3
ENSG00000176049	-1.687015451	1.65E-07	1.05E-05	JAKMIP2
ENSG00000225938	-1.687001782	0.00014095	0.002320273	AL109741.1
ENSG00000231840	-1.684341125	2.86E-05	0.000655812	AC073342.1
ENSG00000231768	-1.683079449	6.89E-05	0.001311876	LINC01354
ENSG00000105971	-1.680493095	1.30E-05	0.000350718	CAV2
ENSG00000122824	-1.680153642	0.00051185	0.006364639	NUDT10
ENSG00000258168	-1.678561388	2.22E-05	0.000539265	AC025569.1
ENSG00000070601	-1.675355481	0.000409311	0.005398634	FRMPD1

ENSG00000276772	-1.673323458	9.79E-08	7.04E-06	AC025271.4
ENSG00000039537	-1.672797551	0.000183885	0.00287593	C6
ENSG00000167874	-1.672152055	4.85E-06	0.000162299	TMEM88
ENSG00000050555	-1.671718314	7.42E-08	5.65E-06	LAMC3
ENSG00000168490	-1.669263667	0.000449015	0.005765309	PHYHIP
ENSG00000145990	-1.668091089	4.23E-05	0.000895597	GFOD1
ENSG00000131409	-1.667151	0.000138276	0.002288531	LRRC4B
ENSG00000158258	-1.66712293	9.38E-05	0.00167778	CLSTN2
ENSG00000100234	-1.666933826	6.94E-07	3.41E-05	TIMP3
ENSG00000123119	-1.666095866	0.000304853	0.004287358	NECAB1
ENSG00000258666	-1.665583399	2.38E-06	9.19E-05	AL157871.4
ENSG00000011201	-1.664383182	3.63E-05	0.000794712	ANOS1
ENSG00000133246	-1.663426257	0.00085931	0.009422032	PRAM1
ENSG00000165072	-1.662945427	5.17E-07	2.68E-05	MAMDC2
ENSG00000131471	-1.660325857	1.56E-06	6.50E-05	AOC3
ENSG00000164764	-1.657264527	6.79E-06	0.000213314	SBSPON
ENSG00000166482	-1.656949995	1.33E-06	5.71E-05	MFAP4
ENSG00000279447	-1.654155714	0.000805534	0.008970146	AL118508.4
ENSG00000280339	-1.654106659	2.48E-07	1.45E-05	AP001528.3
ENSG00000100453	-1.65247583	0.00019553	0.0030196	GZMB
ENSG00000283213	-1.650361625	0.000628237	0.007435428	AC130466.1
ENSG00000272375	-1.64881492	1.31E-05	0.00035113	AC026979.4
ENSG00000124191	-1.648268743	4.45E-08	3.70E-06	TOX2
ENSG00000158747	-1.646228983	0.000375403	0.005050502	NBL1
ENSG00000225706	-1.645093105	3.98E-05	0.000852899	PTPRD-AS1
ENSG00000257551	-1.64469167	1.30E-06	5.62E-05	HLX-AS1
ENSG00000130052	-1.642791203	7.36E-05	0.001379389	STARD8
ENSG00000088320	-1.641559811	0.000147483	0.002411011	REM1
ENSG00000163421	-1.639819342	6.78E-05	0.001294316	PROK2
ENSG00000254192	-1.639603464	3.72E-05	0.000811019	AC011365.2
ENSG00000171051	-1.636541013	2.13E-05	0.000522358	FPR1

ENSG00000259417	-1.635313802	0.000105938	0.00184482	CTXND1
ENSG00000124780	-1.633682186	6.50E-07	3.22E-05	KCNK17
ENSG00000120279	-1.631423092	1.22E-05	0.000336451	MYCT1
ENSG00000225792	-1.63044395	2.14E-05	0.000523796	AC004540.2
ENSG00000258819	-1.63026805	0.000136624	0.002267288	LINC02289
ENSG00000110799	-1.629423341	2.43E-05	0.000579549	VWF
ENSG00000132688	-1.626481246	5.15E-09	6.51E-07	NES
ENSG00000161896	-1.625154154	1.46E-06	6.17E-05	IP6K3
ENSG00000101916	-1.624879164	1.06E-05	0.000300017	TLR8
ENSG00000180644	-1.624216615	6.06E-07	3.04E-05	PRF1
ENSG00000111052	-1.618217744	5.79E-06	0.000187122	LIN7A
ENSG00000183775	-1.613178035	1.53E-05	0.000398512	KCTD16
ENSG00000181585	-1.612761601	0.000699894	0.008081527	TMIE
ENSG00000251322	-1.612357113	0.00042494	0.005553889	SHANK3
ENSG00000166484	-1.610352703	4.59E-06	0.000155274	MAPK7
ENSG00000047648	-1.60922338	3.05E-05	0.000688666	ARHGAP6
ENSG00000130032	-1.607672907	0.000819689	0.00908494	PRRG3
ENSG00000047617	-1.605785998	8.93E-10	1.55E-07	ANO2
ENSG00000000938	-1.60557009	7.50E-08	5.67E-06	FGR
ENSG00000126218	-1.604732791	6.27E-06	0.000199389	F10
ENSG00000162878	-1.604486418	1.27E-05	0.000345244	PKDCC
ENSG00000068001	-1.603992447	5.21E-08	4.19E-06	HYAL2
ENSG00000004799	-1.600574208	0.000889284	0.009691837	PDK4
ENSG00000091128	-1.599221291	0.000574529	0.006969033	LAMB4
ENSG00000162817	-1.599091772	2.52E-08	2.32E-06	C1ORF115
ENSG00000170989	-1.596642957	9.82E-05	0.00173536	S1PR1
ENSG00000154258	-1.594690637	1.11E-05	0.000310681	ABCA9
ENSG00000150048	-1.593901776	4.02E-05	0.000858595	CLEC1A
ENSG00000141338	-1.592592953	0.000211191	0.003216343	ABCA8
ENSG00000224958	-1.59160819	3.84E-05	0.000831716	PGM5-AS1
ENSG00000137941	-1.588286434	5.31E-05	0.001065366	TTLL7

ENSG00000132915	-1.587368568	7.21E-07	3.48E-05	PDE6A
ENSG00000066056	-1.58727439	1.18E-06	5.20E-05	TIE1
ENSG00000196090	-1.587001442	0.000888481	0.009686525	PTPRT
ENSG00000147257	-1.586259459	8.90E-05	0.001606058	GPC3
ENSG00000187800	-1.585396307	6.97E-06	0.000216325	PEAR1
ENSG00000165996	-1.578183993	2.70E-06	0.00010103	HACD1
ENSG00000167210	-1.57577107	1.27E-05	0.000343691	LOXHD1
ENSG00000038945	-1.572291506	5.67E-06	0.000183841	MSR1
ENSG00000140932	-1.571116344	0.000437437	0.005659819	CMTM2
ENSG00000164850	-1.569933871	0.000160525	0.002564141	GPER1
ENSG00000256013	-1.568266132	2.31E-06	9.02E-05	AC027277.1
ENSG00000154783	-1.56823859	1.20E-07	8.20E-06	FGD5
ENSG00000167850	-1.567319588	2.18E-05	0.000530987	CD300C
ENSG00000165682	-1.566605224	0.00017116	0.002701682	CLEC1B
ENSG00000179044	-1.565354818	8.34E-06	0.000247882	EXOC3L1
ENSG00000112964	-1.56529052	4.31E-05	0.000907363	GHR
ENSG00000198948	-1.563748859	0.000139685	0.002304398	MFAP3L
ENSG00000032444	-1.563132774	0.00037176	0.005012703	PNPLA6
ENSG00000254528	-1.561860201	1.48E-06	6.21E-05	AP000757.1
ENSG00000162444	-1.560338955	0.000906294	0.009825455	RBP7
ENSG00000124019	-1.559416513	0.000697025	0.008053961	FAM124B
ENSG00000230910	-1.558926661	2.39E-05	0.000572771	AL391807.1
ENSG00000131831	-1.558793116	2.42E-09	3.60E-07	RAI2
ENSG00000172159	-1.556411703	3.30E-05	0.000736611	FRMD3
ENSG00000204121	-1.555943794	0.000758035	0.008587611	ECEL1P1
ENSG00000073861	-1.554512964	3.70E-06	0.000130245	TBX21
ENSG00000127329	-1.552863932	0.000247629	0.003622978	PTPRB
ENSG00000169255	-1.552278516	1.23E-05	0.000337783	B3GALNT1
ENSG00000188730	-1.551973382	0.000679795	0.00790545	VWC2
ENSG00000175920	-1.551116375	0.000860998	0.009437163	DOK7
ENSG00000154721	-1.545597163	3.33E-05	0.000741457	JAM2

ENSG00000270075	-1.544141977	2.00E-06	8.03E-05	AL162742.2
ENSG00000077942	-1.543590367	8.04E-05	0.00148028	FBLN1
ENSG00000256007	-1.542988604	0.000805352	0.008970146	ARAP1-AS1
ENSG00000107738	-1.54193936	1.34E-05	0.000358222	VSIR
ENSG00000256508	-1.541784887	0.000119361	0.002034712	MKGPRF-AS1
ENSG00000109501	-1.539718053	5.27E-06	0.000172795	WFS1
ENSG00000234405	-1.539640439	5.87E-07	2.96E-05	Z69733.1
ENSG00000178726	-1.539237773	0.00024406	0.003579974	THBD
ENSG00000135111	-1.537933085	8.37E-05	0.001531776	TBX3
ENSG00000113555	-1.536094409	3.96E-06	0.000138044	PCDH12
ENSG00000154263	-1.534229644	7.48E-06	0.00022805	ABCA10
ENSG00000267107	-1.533910602	0.00048113	0.006073674	PCAT19
ENSG00000157368	-1.531943258	7.69E-05	0.00142846	IL34
ENSG00000153157	-1.531708874	0.00015728	0.002526769	SYCP2L
ENSG00000185736	-1.530515727	5.72E-05	0.001128566	ADARB2
ENSG00000179820	-1.529519769	3.34E-07	1.86E-05	MYADM
ENSG00000203804	-1.528373738	0.000436357	0.005655841	ADAMTSL4-AS1
ENSG00000169744	-1.527811739	0.000242932	0.00356684	LDB2
ENSG00000090776	-1.524974558	9.74E-06	0.000279264	EFNB1
ENSG00000117245	-1.523003641	9.42E-05	0.001682677	KIF17
ENSG00000149131	-1.522730907	4.14E-08	3.48E-06	SERPING1
ENSG00000224397	-1.522581964	0.000524999	0.006499192	SMIM25
ENSG00000133561	-1.520560668	4.55E-05	0.000951931	GIMAP6
ENSG00000132874	-1.52016749	4.60E-05	0.000958766	SLC14A2
ENSG00000189120	-1.519360682	0.000599188	0.007169001	SP6
ENSG00000138772	-1.518747466	1.48E-06	6.21E-05	ANXA3
ENSG00000111181	-1.517641132	2.81E-07	1.61E-05	SLC6A12
ENSG00000137872	-1.51747442	0.000437578	0.005659819	SEMA6D
ENSG00000158517	-1.516890444	0.000717681	0.008218394	NCF1
ENSG00000070404	-1.515431279	0.000118868	0.002028555	FSTL3
ENSG00000145864	-1.514791547	0.000360423	0.004891837	GABRB2

ENSG00000136826	-1.514105425	0.000395442	0.005262452	KLF4
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ENSG00000177453	-1.508777639	1.20E-05	0.000331327	NIM1K
ENSG00000173267	-1.507837041	0.000486178	0.006119783	SNCG
ENSG00000186407	-1.504266583	0.000194956	0.003013772	CD300E
ENSG00000232220	-1.503666325	3.56E-07	1.96E-05	AC008440.2
ENSG00000183807	-1.502742656	6.50E-06	0.000205512	FAM162B
ENSG00000177303	-1.50267532	1.28E-07	8.61E-06	CASKIN2
ENSG00000124785	-1.501702461	3.87E-05	0.000835694	NRN1
ENSG00000111432	-1.5016777	0.000237091	0.003509957	FZD10
ENSG00000171115	-1.501485583	0.000122872	0.002082995	GIMAP8
ENSG00000101335	-1.500951513	0.000372498	0.005018013	MYL9
ENSG00000180061	-1.500415234	5.84E-05	0.001145094	TMEM150B
ENSG00000197576	-1.498901263	0.000255918	0.003720135	HOXA4
ENSG00000137726	-1.498748066	6.23E-07	3.10E-05	FXYD6
ENSG00000115607	-1.49790215	5.13E-07	2.67E-05	IL18RAP
ENSG00000162654	-1.497699502	0.000407099	0.005373321	GBP4
ENSG00000124212	-1.497506087	1.41E-05	0.000373693	PTGIS
ENSG00000117114	-1.496367779	7.28E-05	0.001368653	ADGRL2
ENSG00000137507	-1.494764422	1.43E-05	0.000377249	LRRC32
ENSG00000157510	-1.494019041	7.23E-06	0.000222526	AFAP1L1
ENSG00000244050	-1.493937667	0.000275397	0.003945381	DEFB109F
ENSG00000203747	-1.49149017	2.09E-06	8.29E-05	FCGR3A
ENSG00000253552	-1.489578593	6.46E-05	0.001242292	HOXA-AS2
ENSG00000123243	-1.48909058	0.000161659	0.002579574	ITIH5
ENSG00000189129	-1.488915571	5.89E-05	0.00115202	PLAC9
ENSG00000166257	-1.488770271	5.80E-05	0.001139512	SCN3B
ENSG00000101955	-1.488172356	5.32E-05	0.001065366	SRPX
ENSG00000078401	-1.487329951	0.000165178	0.002624811	EDN1
ENSG00000214402	-1.487165425	0.000225726	0.0033804	LCNL1

ENSG0000007171	-1.486255673	0.000281415	0.004020615	NOS2
ENSG00000237429	-1.483178524	0.000197001	0.003037729	BX293535.1
ENSG00000174899	-1.48026165	1.94E-06	7.84E-05	PQLC2L
ENSG00000262370	-1.475778358	1.28E-08	1.38E-06	AC108134.3
ENSG00000149564	-1.471860503	3.10E-08	2.74E-06	ESAM
ENSG00000135298	-1.469156073	0.00015856	0.002543339	ADGRB3
ENSG00000197381	-1.468153758	3.28E-07	1.83E-05	ADARB1
ENSG00000173269	-1.466484456	1.24E-05	0.00033934	MMRN2
ENSG00000227544	-1.465440983	1.21E-05	0.000334768	AC018647.1
ENSG00000165495	-1.461754578	0.00010577	0.001843399	PKNOX2
ENSG00000070778	-1.459298706	3.57E-06	0.000126383	PTPN21
ENSG00000145335	-1.459283978	4.27E-06	0.000147392	SNCA
ENSG00000272379	-1.458582928	5.52E-05	0.001097742	AL008729.2
ENSG00000189320	-1.458146058	8.18E-05	0.001498329	FAM180A
ENSG00000152583	-1.454134864	3.37E-06	0.000121002	SPARCL1
ENSG00000174804	-1.453936568	1.90E-05	0.000476818	FZD4
ENSG00000102547	-1.453715669	9.81E-10	1.68E-07	CAB39L
ENSG00000143867	-1.453393901	0.000494093	0.006183781	OSR1
ENSG00000122223	-1.452645286	2.95E-06	0.000108588	CD244
ENSG00000066735	-1.452094599	1.48E-05	0.000387864	KIF26A
ENSG00000120913	-1.450301169	1.11E-05	0.000310681	PDLIM2
ENSG00000254963	-1.449947968	2.45E-09	3.63E-07	AP001972.2
ENSG00000185271	-1.449513221	0.000277686	0.003976327	KLHL33
ENSG00000260876	-1.446911804	0.000375942	0.005055536	LINC01229
ENSG00000182253	-1.444481023	0.000423131	0.005537315	SYNM
ENSG00000187513	-1.440326369	8.47E-06	0.000250544	GJA4
ENSG00000254429	-1.438504797	0.000274925	0.003941375	AP001972.1
ENSG00000154065	-1.434778962	0.000808365	0.008995147	ANKRD29
ENSG00000188677	-1.433074149	0.00025213	0.003673769	PARVB
ENSG00000177464	-1.432898515	1.35E-06	5.75E-05	GPR4
ENSG00000183087	-1.432422223	4.00E-05	0.000857447	GAS6

ENSG00000166265	-1.431634052	5.07E-05	0.001032893	CYR1
ENSG00000105989	-1.430591846	8.62E-09	1.01E-06	WNT2
ENSG00000255399	-1.43041496	1.04E-07	7.31E-06	TBX5-AS1
ENSG00000130755	-1.426329134	0.000734006	0.008367888	GMFG
ENSG00000162267	-1.425861814	0.000164535	0.00261792	ITIH3
ENSG00000013297	-1.424605132	4.03E-06	0.00014017	CLDN11
ENSG00000132702	-1.423487939	0.000213731	0.003240377	HAPLN2
ENSG00000197245	-1.42335186	0.00082613	0.009133246	FAM110D
ENSG00000279662	-1.423157861	0.000328391	0.004548723	AC131649.2
ENSG00000132170	-1.422914348	3.38E-07	1.87E-05	PPARG
ENSG00000136630	-1.42148568	0.000757966	0.008587611	HLX
ENSG00000118137	-1.42114006	0.000627405	0.00743131	APOA1
ENSG00000272734	-1.41762159	4.13E-06	0.000143125	ADIRF-AS1
ENSG00000112276	-1.417602554	0.000109751	0.001899354	BVES
ENSG00000147113	-1.417264381	2.42E-06	9.32E-05	CXORF36
ENSG00000146151	-1.415610108	8.14E-06	0.000242333	HMGCLL1
ENSG00000205795	-1.415569267	5.84E-05	0.001145094	CYS1
ENSG00000172260	-1.41528659	0.000651242	0.007645807	NEGR1
ENSG00000172322	-1.413521852	2.34E-05	0.000560327	CLEC12A
ENSG00000160801	-1.412100607	0.000189908	0.002952086	PTH1R
ENSG00000250748	-1.412096145	0.000142259	0.002336805	AC025419.1
ENSG00000154330	-1.411460407	0.000327147	0.00454263	PGM5
ENSG00000100427	-1.410817498	4.96E-05	0.001015264	MLC1
ENSG00000149557	-1.409870673	6.64E-06	0.000209219	FEZ1
ENSG00000142279	-1.406539622	0.000200541	0.003081485	WTIP
ENSG00000173706	-1.406198676	0.000302387	0.004256575	HEG1
ENSG00000126838	-1.40521609	0.000142664	0.002339698	PZP
ENSG00000103569	-1.401065481	0.000295029	0.004177435	AQP9
ENSG00000144837	-1.399856493	1.18E-07	8.10E-06	PLA1A
ENSG00000267379	-1.397266061	7.19E-05	0.001356597	AC008569.1
ENSG00000251034	-1.3948541	2.83E-05	0.00065194	AC037459.2

ENSG00000068383	-1.394072711	7.23E-07	3.49E-05	INPP5A
ENSG00000099864	-1.390609618	0.000209326	0.003194089	PALM
ENSG00000085514	-1.387588829	5.17E-05	0.001047032	PILRA
ENSG00000185904	-1.385174219	3.14E-07	1.76E-05	LINC00839
ENSG00000140105	-1.384901621	2.55E-08	2.34E-06	WARS
ENSG00000227694	-1.384002306	0.000828703	0.009158395	RPL23AP74
ENSG00000069702	-1.382895507	0.000214305	0.003247477	TGFBR3
ENSG00000078596	-1.382530591	1.73E-06	7.10E-05	ITM2A
ENSG00000272491	-1.382498965	0.00040683	0.00537208	AL109659.2
ENSG00000229585	-1.382357355	0.000785618	0.008828423	RPL21P44
ENSG00000173391	-1.381883345	0.000135792	0.002255928	OLR1
ENSG00000126785	-1.380913949	1.35E-07	8.96E-06	RHOJ
ENSG00000105996	-1.380616858	7.07E-05	0.001337392	HOXA2
ENSG00000227502	-1.376689801	6.32E-05	0.001221241	LINC01268
ENSG00000120896	-1.376625319	3.07E-06	0.000112472	SORBS3
ENSG00000136546	-1.374624514	0.000184826	0.002886239	SCN7A
ENSG00000122707	-1.372844134	4.57E-05	0.000954685	RECK
ENSG00000086300	-1.372180698	0.000160859	0.002568132	SNX10
ENSG00000159433	-1.368627076	5.08E-06	0.000168172	STARD9
ENSG00000166106	-1.366966464	0.000704773	0.008112945	ADAMTS15
ENSG00000099260	-1.366164366	9.22E-05	0.001654654	PALMD
ENSG00000126861	-1.36597427	2.45E-05	0.000581519	OMG
ENSG00000187688	-1.364885169	0.000395328	0.005262452	TRPV2
ENSG00000148826	-1.362832481	0.000400421	0.005307995	NKX6-2
ENSG00000092929	-1.36130632	8.68E-05	0.001570882	UNC13D
ENSG00000006638	-1.360825571	0.000101745	0.001785968	TBXA2R
ENSG00000116678	-1.358279976	0.000113418	0.001950724	LEPR
ENSG00000173546	-1.357155609	1.92E-05	0.000481586	CSPG4
ENSG00000101162	-1.357103726	0.000389158	0.005199109	TUBB1
ENSG00000174600	-1.354928432	4.37E-06	0.000149657	CMKLR1
ENSG00000279117	-1.35396174	2.18E-06	8.60E-05	AP001972.5

ENSG0000011465	-1.353934099	8.38E-09	9.82E-07	DCN
ENSG0000046653	-1.351272429	0.00013858	0.002292324	GPM6B
ENSG00000241666	-1.349725457	0.000537296	0.006619392	AL031733.2
ENSG0000066629	-1.349012274	0.000378038	0.005074827	EML1
ENSG00000143110	-1.346360098	0.000811064	0.00901344	C1ORF162
ENSG00000127528	-1.346167098	0.000762719	0.008631894	KLF2
ENSG00000103710	-1.343360561	0.000157639	0.002529887	RASL12
ENSG00000175445	-1.342086692	1.80E-05	0.000456326	LPL
ENSG00000175899	-1.34157456	2.69E-05	0.000626646	A2M
ENSG00000136378	-1.340600682	7.52E-07	3.59E-05	ADAMTS7
ENSG00000227811	-1.338395882	0.00034245	0.004708272	FAM212B-AS1
ENSG00000183801	-1.337062005	2.69E-06	0.00010103	OLFML1
ENSG00000119917	-1.335199073	4.80E-07	2.52E-05	IFIT3
ENSG00000204175	-1.329815737	0.000234638	0.003486745	GPRIN2
ENSG00000255471	-1.32333857	0.000580983	0.007020641	AP001528.2
ENSG00000137834	-1.321452833	0.000256534	0.003725561	SMAD6
ENSG0000070808	-1.321151032	8.17E-08	6.06E-06	CAMK2A
ENSG00000197905	-1.321006786	2.53E-05	0.00059555	TEAD4
ENSG00000236754	-1.319048851	0.000404791	0.005352066	AC007666.1
ENSG00000157168	-1.317187333	0.000500471	0.006245923	NRG1
ENSG00000129757	-1.316759713	9.76E-05	0.001726402	CDKN1C
ENSG00000274536	-1.31652246	7.96E-05	0.00147339	AL034397.3
ENSG00000100024	-1.31617732	2.75E-06	0.000102177	UPB1
ENSG00000166317	-1.316112987	0.000282518	0.004030478	SYNPO2L
ENSG00000188511	-1.311222153	0.000479513	0.006061832	C22ORF34
ENSG00000261338	-1.31017198	6.70E-06	0.000210708	AC021016.2
ENSG00000280132	-1.309431407	6.57E-06	0.000207333	AC026471.6
ENSG00000171872	-1.307873327	0.00012437	0.002101414	KLF17
ENSG00000071282	-1.305803746	2.06E-07	1.26E-05	LMCD1
ENSG00000128482	-1.305582691	7.03E-05	0.001335647	RNF112
ENSG00000230749	-1.305312906	6.57E-05	0.001261078	MEIS1-AS2

ENSG00000273523	-1.30257979	0.000274335	0.003937519	AL139082.1
ENSG00000231187	-1.302025558	0.00037059	0.005003295	AL356056.2
ENSG00000088827	-1.300226191	8.38E-05	0.001532856	SIGLEC1
ENSG00000261269	-1.29700441	4.85E-06	0.000162299	AC093278.2
ENSG00000135363	-1.296702983	7.06E-05	0.00133683	LMO2
ENSG00000150630	-1.2961948	8.07E-05	0.001482976	VEGFC
ENSG00000147027	-1.292983829	0.00059491	0.00712894	TMEM47
ENSG00000225194	-1.292538778	0.000494284	0.006183781	LINC00092
ENSG00000165511	-1.292176922	1.75E-06	7.14E-05	C10ORF25
ENSG00000253250	-1.290568928	0.000139008	0.002298161	C8ORF88
ENSG00000248738	-1.289682136	0.000366989	0.004961478	AC037441.1
ENSG00000188783	-1.288276009	3.21E-06	0.000117031	PRELP
ENSG00000157554	-1.288096244	2.40E-05	0.000573988	ERG
ENSG00000186188	-1.287416827	0.000657734	0.007683823	FFAR4
ENSG00000080573	-1.285315801	6.83E-06	0.000214079	COL5A3
ENSG00000213373	-1.283203616	0.000562633	0.006859963	LINC00671
ENSG00000091106	-1.281976021	6.11E-06	0.000195725	NLRC4
ENSG00000111961	-1.281782646	0.000711071	0.008160967	SASH1
ENSG00000128284	-1.281117883	2.87E-08	2.57E-06	APOL3
ENSG00000155465	-1.278916771	6.74E-07	3.32E-05	SLC7A7
ENSG00000235505	-1.277664674	0.000127262	0.002139686	AP002004.1
ENSG00000136867	-1.276291947	2.28E-06	8.92E-05	SLC31A2
ENSG00000105894	-1.275828002	0.000709187	0.008144607	PTN
ENSG00000173210	-1.27308011	2.53E-05	0.00059555	ABLIM3
ENSG00000109099	-1.270711787	3.77E-06	0.000132012	PMP22
ENSG00000183722	-1.269225079	1.32E-06	5.68E-05	LHFPL6
ENSG00000168734	-1.26803797	5.35E-06	0.000175132	PKIG
ENSG00000119922	-1.267529372	3.97E-05	0.000852373	IFIT2
ENSG00000064042	-1.266027797	4.05E-06	0.000140604	LIMCH1
ENSG00000197646	-1.264476674	0.000134071	0.002234582	PDCD1LG2
ENSG00000179855	-1.264468109	0.000244308	0.003581898	GIPC3

ENSG00000272908	-1.263176182	5.83E-05	0.001143558	AC006033.2
ENSG00000110876	-1.262645972	0.000218118	0.00328443	SELPLG
ENSG00000181409	-1.260492551	1.09E-05	0.000306874	AATK
ENSG00000100311	-1.260366474	7.70E-07	3.67E-05	PDGFB
ENSG00000120318	-1.258921713	2.82E-06	0.000104411	ARAP3
ENSG00000112139	-1.256663087	5.14E-06	0.000169679	MDGA1
ENSG00000089225	-1.255488975	7.67E-06	0.00023171	TBX5
ENSG00000197852	-1.255282785	2.82E-08	2.54E-06	FAM212B
ENSG00000101347	-1.255033757	2.43E-05	0.000579752	SAMHD1
ENSG00000261754	-1.254866837	7.39E-06	0.000226172	AC008555.1
ENSG00000186642	-1.254769174	0.000507182	0.006314278	PDE2A
ENSG00000162614	-1.250510183	0.000114638	0.001968393	NEXN
ENSG00000118777	-1.249137702	0.000194399	0.003006677	ABCG2
ENSG00000188001	-1.248325569	7.67E-05	0.001426464	TPRG1
ENSG00000077943	-1.247799328	0.000805141	0.008970146	ITGA8
ENSG00000138759	-1.246069111	0.000743632	0.008468188	FRAS1
ENSG00000138821	-1.245880511	0.000155281	0.002505132	SLC39A8
ENSG00000161714	-1.245238241	1.81E-05	0.000458829	PLCD3
ENSG00000129993	-1.244679149	0.000104159	0.001820027	CBFA2T3
ENSG00000248445	-1.243153253	0.000571344	0.006938621	SEMA6A-AS1
ENSG00000183578	-1.242775466	0.000328623	0.004548723	TNFAIP8L3
ENSG00000035664	-1.240137993	5.07E-08	4.11E-06	DAPK2
ENSG00000092051	-1.239593398	2.17E-07	1.31E-05	JPH4
ENSG00000105997	-1.237561944	0.000754984	0.008564596	HOXA3
ENSG00000143382	-1.236107999	2.49E-05	0.000588771	ADAMTSL4
ENSG00000257607	-1.235751921	7.33E-05	0.00137656	AC073957.2
ENSG00000113231	-1.23534586	4.38E-05	0.000919184	PDE8B
ENSG00000166927	-1.234344198	4.84E-05	0.000998653	MS4A7
ENSG00000237248	-1.233814203	0.000446792	0.005741716	LINC00987
ENSG00000282527	-1.233192066	0.00057124	0.006938621	AC110491.3
ENSG00000230615	-1.231206678	0.000296537	0.004194054	AL139220.2

ENSG00000251359	-1.230820837	0.000926934	0.009986704	WWC2-AS2
ENSG00000174059	-1.230328486	2.85E-05	0.000654345	CD34
ENSG00000145284	-1.228623704	0.000212373	0.003226152	SCD5
ENSG00000149294	-1.228041853	1.16E-05	0.000322011	NCAM1
ENSG00000272967	-1.227161594	0.000350583	0.004792179	AC073352.2
ENSG00000174640	-1.225776974	4.77E-05	0.000987078	SLCO2A1
ENSG00000149575	-1.224420727	0.000443286	0.005708609	SCN2B
ENSG00000087589	-1.224136537	0.00027467	0.003940484	CASS4
ENSG00000113389	-1.223885784	0.000835841	0.009217369	NPR3
ENSG00000205089	-1.223431451	2.62E-08	2.40E-06	CCNI2
ENSG00000171777	-1.221957894	2.65E-06	1.00E-04	RASGRP4
ENSG00000105339	-1.221627851	2.01E-11	7.01E-09	DENND3
ENSG00000065054	-1.217737026	0.000393342	0.005248155	SLC9A3R2
ENSG00000235910	-1.21239303	0.000686565	0.007972101	APOA1-AS
ENSG00000179144	-1.21236075	0.000493861	0.006183781	GIMAP7
ENSG00000151718	-1.212240904	0.000211743	0.003218183	WWC2
ENSG00000225439	-1.211449472	9.07E-06	0.000263955	BOLA3-AS1
ENSG00000254602	-1.208286407	0.000531323	0.006558967	AP000662.1
ENSG00000107736	-1.208216141	0.000110751	0.001913428	CDH23
ENSG00000160360	-1.203664797	0.000176508	0.002770439	GPSM1
ENSG00000076555	-1.202415079	1.48E-05	0.000387568	ACACB
ENSG00000260105	-1.197701289	1.20E-05	0.000331688	AOC4P
ENSG00000100034	-1.195377021	1.28E-05	0.000347225	PPM1F
ENSG00000137486	-1.191433373	7.68E-08	5.75E-06	ARRB1
ENSG00000123146	-1.189967781	1.76E-05	0.000447899	ADGRE5
ENSG00000154262	-1.188057608	0.00032373	0.004505368	ABCA6
ENSG00000077684	-1.187969699	5.04E-06	0.000167077	JADE1
ENSG00000214688	-1.187527928	3.78E-06	0.00013242	C10ORF105
ENSG00000128849	-1.187166027	4.04E-07	2.19E-05	CGNL1
ENSG00000139970	-1.186451698	7.15E-06	0.000220521	RTN1
ENSG00000137672	-1.184758105	0.00014131	0.002324718	TRPC6

ENSG0000064201	-1.184629747	6.19E-06	0.000197432	TSPAN32
ENSG00000140090	-1.18366495	5.85E-06	0.000188658	SLC24A4
ENSG00000133574	-1.183495699	1.07E-05	0.000302726	GIMAP4
ENSG00000161940	-1.18343812	7.51E-06	0.000228321	BCL6B
ENSG00000173597	-1.183226227	0.00022594	0.0033804	SULT1B1
ENSG00000197405	-1.182599218	0.000648926	0.007624447	C5AR1
ENSG00000182636	-1.181557825	7.81E-06	0.000235188	NDN
ENSG00000153885	-1.17524947	2.76E-05	0.000641613	KCTD15
ENSG00000133121	-1.173972567	0.000576635	0.006983535	STARD13
ENSG00000117594	-1.173611076	0.000632363	0.007475615	HSD11B1
ENSG00000119535	-1.171925529	0.000655957	0.007679756	CSF3R
ENSG00000037280	-1.171276086	2.80E-05	0.00064922	FLT4
ENSG00000172201	-1.171122626	0.000267535	0.003856145	ID4
ENSG00000204682	-1.169990071	0.000396346	0.005271875	CASC10
ENSG00000255390	-1.168097396	0.00011456	0.001968163	AC091564.5
ENSG00000172638	-1.167529616	0.000923703	0.009971379	EFEMP2
ENSG00000106991	-1.164868607	0.000237114	0.003509957	ENG
ENSG00000105137	-1.161184941	2.06E-06	8.24E-05	SYDE1
ENSG00000184497	-1.160836392	0.000374425	0.005039555	TMEM255B
ENSG00000148841	-1.158757321	8.78E-05	0.001586869	ITPRIP
ENSG00000132554	-1.156238262	6.71E-05	0.001286745	RGS22
ENSG00000110665	-1.155360404	8.37E-06	0.000248169	C11ORF21
ENSG00000172458	-1.155188058	1.78E-05	0.00045073	IL17D
ENSG00000117281	-1.154951352	0.000151603	0.002458718	CD160
ENSG00000119326	-1.15437115	3.97E-05	0.000852301	CTNNAL1
ENSG00000185880	-1.154224469	0.000149383	0.002435508	TRIM69
ENSG00000166086	-1.153791154	1.77E-05	0.000447899	JAM3
ENSG00000150636	-1.153599796	9.50E-09	1.09E-06	CCDC102B
ENSG00000121361	-1.152875585	1.83E-06	7.44E-05	KCNJ8
ENSG00000087237	-1.151028479	0.000682072	0.007925928	CETP
ENSG00000139351	-1.147682784	0.000818021	0.009069721	SYCP3

ENSG00000124942	-1.145641744	0.000327694	0.004545871	AHNAK
ENSG00000171033	-1.144797339	1.03E-05	0.000294164	PKIA
ENSG00000162641	-1.143801402	7.47E-05	0.001396059	AKNAD1
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ENSG00000140092	-1.139531129	0.000105797	0.001843399	FBLN5
ENSG00000175489	-1.138844943	0.000159163	0.002549018	LRRC25
ENSG00000185585	-1.137521085	0.000453394	0.005802278	OLFML2A
ENSG00000026025	-1.137224323	1.50E-07	9.74E-06	VIM
ENSG00000164849	-1.136619199	0.000124306	0.002101414	GPR146
ENSG00000185432	-1.136405121	3.50E-05	0.000771691	METTL7A
ENSG00000272143	-1.134630226	0.00037966	0.005094377	FGF14-AS2
ENSG00000108387	-1.13255556	6.76E-05	0.001291358	4-Sep
ENSG00000147883	-1.130893711	0.000510265	0.006350081	CDKN2B
ENSG00000119865	-1.126474325	6.46E-06	0.000204798	CNRIP1
ENSG00000185745	-1.125860045	5.72E-05	0.001128566	IFIT1
ENSG00000161544	-1.125797558	5.98E-05	0.001164559	CYGB
ENSG00000165312	-1.119207664	5.23E-07	2.70E-05	OTUD1
ENSG00000174951	-1.118409049	0.000203928	0.003122225	FUT1
ENSG00000168546	-1.11789997	0.000156588	0.002519604	GFRA2
ENSG00000182132	-1.116050543	0.000745397	0.008478857	KCNIP1
ENSG00000106823	-1.115791256	0.000319525	0.004460997	ECM2
ENSG00000174944	-1.115640445	0.000156099	0.002514376	P2RY14
ENSG00000126970	-1.111775879	1.09E-06	4.87E-05	ZC4H2
ENSG00000196209	-1.111553756	0.000168834	0.002671842	SIRPB2
ENSG00000024422	-1.108025101	4.86E-05	0.001001316	EHD2
ENSG00000214870	-1.107211632	7.85E-06	0.000235788	AC004540.1
ENSG00000139112	-1.105478987	1.77E-08	1.78E-06	GABARAPL1
ENSG00000251661	-1.105288291	0.000864282	0.009466399	AC136475.1
ENSG00000275367	-1.104889108	0.00069696	0.008053961	AC092111.1
ENSG00000168060	-1.103558111	0.000657034	0.007683372	NAALADL1
ENSG00000278291	-1.102696532	0.000308477	0.004330388	AL161772.1

ENSG00000137831	-1.101268796	0.000120392	0.002048872	UACA
ENSG00000196557	-1.100271003	4.28E-05	0.000902075	CACNA1H
ENSG00000197256	-1.100146993	3.78E-05	0.000822664	KANK2
ENSG00000160539	-1.099988806	0.000806412	0.008976671	PLPP7
ENSG00000169122	-1.098806149	0.000714443	0.00819048	FAM110B
ENSG00000181856	-1.098743703	0.000347816	0.004767094	SLC2A4
ENSG00000141497	-1.097817831	0.000386544	0.005178622	ZMYND15
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ENSG00000120949	-1.096669201	0.000416495	0.005471471	TNFRSF8
ENSG00000001617	-1.096576309	0.000349957	0.004785762	SEMA3F
ENSG00000128512	-1.095972879	0.000398462	0.005291172	DOCK4
ENSG00000180340	-1.094555444	0.000446371	0.005738713	FZD2
ENSG00000198865	-1.091595216	9.95E-05	0.001755288	CCDC152
ENSG00000095383	-1.091414567	5.27E-07	2.71E-05	TBC1D2
ENSG00000197182	-1.09139395	0.00044544	0.005729133	MIRLET7BHG
ENSG00000134256	-1.090872935	0.000288562	0.004103357	CD101
ENSG00000140682	-1.089131439	9.06E-05	0.001632021	TGFB1I1
ENSG00000256262	-1.085616614	0.000452908	0.005802278	USP30-AS1
ENSG00000179082	-1.085097984	0.000468598	0.005966993	C9ORF106
ENSG00000246662	-1.082649665	0.000527536	0.006527964	LINC00535
ENSG00000173482	-1.077846033	0.000854147	0.009375462	PTPRM
ENSG00000123178	-1.07681416	4.19E-07	2.25E-05	SPRYD7
ENSG00000140678	-1.073851795	8.52E-05	0.001549658	ITGAX
ENSG00000166313	-1.072193299	0.000170584	0.002693973	APBB1
ENSG00000144843	-1.068104484	1.01E-07	7.17E-06	ADPRH
ENSG00000114019	-1.068061583	0.000424534	0.005551604	AMOTL2
ENSG00000197471	-1.067928965	2.45E-05	0.000581519	SPN
ENSG00000175984	-1.066939275	0.000123879	0.00209543	DENND2C
ENSG00000169252	-1.066186944	0.000874209	0.009551274	ADRB2
ENSG00000145911	-1.058247603	0.000201894	0.003096072	N4BP3
ENSG00000112531	-1.058189967	8.02E-05	0.00148028	QKI

ENSG00000234456	-1.056161435	0.000117093	0.002004943	MAGI2-AS3
ENSG00000039523	-1.052810235	1.32E-05	0.00035523	RIPOR1
ENSG00000240771	-1.052545108	1.30E-05	0.000349966	ARHGEF25
ENSG00000243414	-1.05218419	4.59E-06	0.000155274	TICAM2
ENSG00000196381	-1.051364429	1.27E-05	0.000344298	ZNF781
ENSG00000112769	-1.050963695	0.000480903	0.006073303	LAMA4
ENSG00000182916	-1.048586049	2.08E-05	0.000514363	TCEAL7
ENSG00000172037	-1.048003184	0.000322364	0.004492459	LAMB2
ENSG00000131370	-1.047222444	0.000241406	0.003554632	SH3BP5
ENSG00000236671	-1.046707489	4.53E-06	0.00015366	PRKG1-AS1
ENSG00000175048	-1.043828592	0.000669039	0.007804018	ZDHHC14
ENSG00000137273	-1.043545796	0.000102866	0.001801528	FOXF2
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ENSG00000234961	-1.041053015	0.000117511	0.002007208	AL133415.1
ENSG00000185340	-1.038678081	0.000103588	0.001812114	GAS2L1
ENSG00000261468	-1.037828884	0.0004796	0.006061832	AC096921.2
ENSG00000143995	-1.036107457	0.000233881	0.003478865	MEIS1
ENSG00000280064	-1.034842617	0.000101432	0.001781496	AC130304.1
ENSG00000155849	-1.034131656	0.000376237	0.005057293	ELMO1
ENSG00000254703	-1.034021127	0.000925634	0.009978192	SENCR
ENSG00000250722	-1.032554356	0.00021337	0.003236495	SELENOP
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ENSG00000161281	-1.02969954	0.000300321	0.004235255	COX7A1
ENSG00000279355	-1.025980269	0.000199453	0.003066296	AGPAT4-IT1
ENSG00000169554	-1.025728717	0.000589593	0.007083525	ZEB2
ENSG00000165410	-1.025578068	5.28E-05	0.001061418	CFL2
ENSG00000144476	-1.023963414	9.38E-05	0.00167778	ACKR3
ENSG00000124615	-1.023061421	2.24E-07	1.34E-05	MOCS1
ENSG00000242759	-1.022712209	0.000394989	0.005262034	LINC00882
ENSG00000100060	-1.022479797	9.12E-05	0.001641324	MFNG
ENSG00000146966	-1.021301319	0.000266617	0.003844722	DENND2A

ENSG00000110841	-1.020706661	0.000177812	0.002788053	PPFIBP1
ENSG00000161638	-1.019498186	6.75E-05	0.001291183	ITGA5
ENSG00000026652	-1.005780753	2.88E-05	0.000657997	AGPAT4
ENSG00000165633	-1.003554316	3.09E-05	0.000696484	VSTM4
ENSG00000279453	-1.003348318	3.49E-08	2.99E-06	Z99129.4
ENSG00000119280	-1.002446741	1.59E-09	2.54E-07	C1ORF198
ENSG00000221995	1.001265977	0.000884831	0.009653588	TIAF1
ENSG00000214826	1.004397953	0.000137216	0.002273437	DDX12P
ENSG00000197008	1.005724241	3.64E-06	0.000128443	ZNF138
ENSG00000133627	1.005736726	0.000169641	0.002681855	ACTR3B
ENSG00000246366	1.006567194	0.000285954	0.004068151	LACTB2-AS1
ENSG00000142949	1.006998579	0.000201142	0.003086083	PTPRF
ENSG00000147144	1.008379954	2.36E-06	9.15E-05	CCDC120
ENSG00000147044	1.00971937	5.01E-06	0.000166227	CASK
ENSG00000125247	1.011198935	2.58E-06	9.79E-05	TMTC4
ENSG00000105778	1.011238431	1.31E-05	0.00035106	AVL9
ENSG00000004864	1.011764928	8.02E-05	0.00148028	SLC25A13
ENSG00000177694	1.012941547	0.00063601	0.007510056	NAALADL2
ENSG00000093217	1.013255844	5.23E-06	0.000171709	XYLB
ENSG00000162390	1.016805173	0.000383338	0.005141487	ACOT11
ENSG00000124787	1.017006062	7.26E-06	0.000222986	RPP40
ENSG00000280634	1.017483984	0.000576448	0.006983535	THRIL
ENSG00000196449	1.017519091	0.000175943	0.002764389	YRDC
ENSG00000175707	1.02060795	0.000591765	0.007094019	KDF1
ENSG00000242110	1.021182175	0.000654923	0.007677031	AMACR
ENSG00000156804	1.022010338	0.000160204	0.002562839	FBXO32
ENSG00000123892	1.02360095	5.61E-05	0.001113748	RAB38
ENSG00000111665	1.028470791	0.000793369	0.008895995	CDCA3
ENSG00000112796	1.033708619	3.56E-05	0.000782094	ENPP5
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ENSG00000177054	1.039719031	6.97E-06	0.000216325	ZDHHC13
ENSG00000135314	1.041841505	0.000211308	0.003216343	KHDC1
ENSG00000186314	1.044795739	0.000147466	0.002411011	PRELID2
ENSG00000140832	1.047668221	8.04E-05	0.00148028	MARVELD3
ENSG00000160588	1.047996765	7.51E-07	3.59E-05	MPZL3
ENSG00000205913	1.053121478	0.000186642	0.002911636	SRRM2-AS1
ENSG00000039560	1.053656259	0.000490178	0.006157514	RAI14
ENSG00000117122	1.057123969	1.00E-07	7.12E-06	MFAP2
ENSG00000088899	1.05962199	1.10E-06	4.89E-05	LZTS3
ENSG00000110917	1.06082098	2.06E-05	0.000511121	MLEC
ENSG00000044574	1.061117613	4.83E-07	2.53E-05	HSPA5
ENSG00000172244	1.071427673	1.28E-05	0.000347225	C5ORF34
ENSG00000262528	1.072005712	5.61E-06	0.000182333	AL022341.2
ENSG00000159173	1.072009458	0.000607998	0.00723214	TNNI1
ENSG00000113296	1.072861231	0.000547401	0.006711559	THBS4
ENSG00000228526	1.073119958	0.000307585	0.004319843	MIR34AHG
ENSG00000170262	1.073121654	0.00020446	0.003127615	MRAP
ENSG00000101811	1.074328905	2.64E-07	1.53E-05	CSTF2
ENSG00000214248	1.077171622	8.07E-06	0.000241199	AC010336.1
ENSG00000261801	1.081177991	8.00E-11	2.17E-08	LOXL1-AS1
ENSG00000184992	1.081446234	1.12E-06	4.97E-05	BRI3BP
ENSG00000158435	1.083101366	7.47E-08	5.67E-06	CNOT11
ENSG00000272894	1.085462007	2.55E-05	0.000599403	AC004982.2
ENSG00000260350	1.085569996	0.000153441	0.002481972	AC012173.1
ENSG00000243678	1.088073124	0.000701219	0.008087204	NME2
ENSG00000171302	1.090057072	2.33E-07	1.39E-05	CANT1
ENSG00000111424	1.091101237	2.01E-07	1.24E-05	VDR
ENSG00000172731	1.095047536	0.00015206	0.002463532	LRRC20
ENSG00000280032	1.099189362	0.000745228	0.008478857	AP002800.1
ENSG00000183421	1.100675753	0.000162196	0.002586793	RIPK4

ENSG00000255182	1.10212606	1.24E-05	0.00033934	AC084125.2
ENSG00000104413	1.103854842	3.16E-05	0.000710176	ESRP1
ENSG00000133138	1.105387505	0.000775412	0.008733612	TBC1D8B
ENSG00000260459	1.108840558	0.000427893	0.005578568	FTLP14
ENSG00000179456	1.110669156	0.00016769	0.002656483	ZBTB18
ENSG00000159216	1.110738112	5.22E-07	2.70E-05	RUNX1
ENSG00000206053	1.111347184	8.33E-07	3.92E-05	JPT2
ENSG00000123131	1.112597215	0.000485676	0.006116806	PRDX4
ENSG00000109805	1.112857024	0.000175784	0.002763311	NCAPG
ENSG00000278385	1.114416036	0.000916606	0.009909067	AC121338.2
ENSG00000092758	1.114909074	0.000820688	0.009091621	COL9A3
ENSG00000082458	1.117617591	2.11E-07	1.29E-05	DLG3
ENSG00000164649	1.119227954	0.000204991	0.003132614	CDCA7L
ENSG00000250714	1.119479607	0.000197691	0.003045315	AC100861.2
ENSG00000153363	1.120177984	0.00012583	0.00212026	LINC00467
ENSG00000105523	1.120267519	0.000139505	0.002303151	FAM83E
ENSG00000134504	1.120326511	4.21E-07	2.25E-05	KCTD1
ENSG00000169991	1.125727891	0.000164058	0.002612425	IFFO2
ENSG00000136379	1.1270616	1.68E-05	0.000430115	ABHD17C
ENSG00000105982	1.132066189	0.000242244	0.003560136	RNF32
ENSG00000101463	1.132222568	0.000389692	0.005203972	SYNDIG1
ENSG00000116128	1.133018648	0.000267828	0.003858556	BCL9
ENSG00000215068	1.134779033	0.000511085	0.00635771	AC025171.2
ENSG00000196700	1.13830525	8.06E-06	0.000241126	ZNF512B
ENSG00000257086	1.139301032	8.63E-05	0.001564882	AP001453.3
ENSG00000233672	1.140782394	0.00029163	0.004141221	RNASEH2B-AS
ENSG00000162415	1.142180239	0.000490887	0.006158852	ZSWIM5
ENSG00000141570	1.144168894	2.31E-05	0.000556001	CBX8
ENSG00000070159	1.144279931	0.00089961	0.009771691	PTPN3
ENSG00000272645	1.144314868	0.000441627	0.005696806	GTF2IP20
ENSG00000134333	1.147300267	4.96E-07	2.59E-05	LDHA

ENSG00000135127	1.148642506	0.000167459	0.002654192	BICDL1
ENSG00000096063	1.149234274	1.81E-06	7.39E-05	SRPK1
ENSG00000101230	1.149992038	0.000875678	0.009563928	ISM1
ENSG00000173848	1.151239326	1.17E-05	0.000325796	NET1
ENSG00000127954	1.153417057	0.000418394	0.005484674	STEAP4
ENSG00000095585	1.158006681	0.00060845	0.007234715	BLNK
ENSG00000125319	1.158624294	0.000781717	0.008794241	C17ORF53
ENSG00000163467	1.158657114	0.000910131	0.009849108	TSACC
ENSG00000143324	1.158745479	0.000121151	0.002059505	XPR1
ENSG00000147536	1.161624931	0.000283914	0.00404851	GINS4
ENSG00000184445	1.162497577	1.65E-05	0.000423139	KNTC1
ENSG00000111602	1.163154667	4.36E-05	0.000915287	TIMELESS
ENSG00000134247	1.163774638	7.09E-07	3.46E-05	PTGFRN
ENSG00000112977	1.166420368	2.80E-06	0.000103588	DAP
ENSG00000059573	1.166977217	4.85E-19	1.14E-15	ALDH18A1
ENSG00000164078	1.16738685	0.000111831	0.001927751	MST1R
ENSG00000065923	1.168330838	6.23E-05	0.00120713	SLC9A7
ENSG00000158321	1.172959589	3.02E-06	0.000110529	AUTS2
ENSG00000171017	1.175243982	2.59E-09	3.75E-07	LRRC8E
ENSG00000169241	1.175539914	0.000680281	0.007908105	SLC50A1
ENSG00000152926	1.175762104	1.58E-05	0.000408611	ZNF117
ENSG00000213793	1.176012363	0.000416303	0.005471471	ZNF888
ENSG00000196391	1.179963587	1.24E-06	5.41E-05	ZNF774
ENSG00000182107	1.180776449	4.52E-06	0.000153531	TMEM30B
ENSG00000149679	1.182301541	0.000554135	0.006777888	CABLES2
ENSG00000162510	1.182676166	0.000195278	0.00301722	MATN1
ENSG00000234678	1.183527376	4.19E-07	2.25E-05	ELF3-AS1
ENSG00000143061	1.186577594	0.000155498	0.00250733	IGSF3
ENSG00000121039	1.187160404	1.07E-05	0.000300721	RDH10
ENSG00000133985	1.189642483	0.000117476	0.002007208	TTC9
ENSG00000273142	1.1905633	7.05E-05	0.00133683	AC073335.2

ENSG00000115902	1.191712045	3.28E-05	0.000733816	SLC1A4
ENSG00000197142	1.195548968	3.96E-05	0.000851904	ACSL5
ENSG00000176912	1.199433885	2.08E-05	0.000515703	TYMSOS
ENSG00000080986	1.201109973	0.000123661	0.002092903	NDC80
ENSG00000258725	1.201589317	0.000325921	0.004527644	PRC1-AS1
ENSG00000091490	1.2080602	3.22E-06	0.000117184	SEL1L3
ENSG00000215158	1.208869045	0.000220158	0.003313263	AC138409.2
ENSG00000112812	1.209141526	0.000227599	0.003398603	PRSS16
ENSG00000232600	1.210641165	1.43E-05	0.000376902	TONSL-AS1
ENSG00000225265	1.210917368	3.05E-05	0.000688666	TAF1A-AS1
ENSG00000240875	1.212583639	7.58E-05	0.001412594	LINC00886
ENSG00000230487	1.213604302	0.000652541	0.007658123	PSMG3-AS1
ENSG00000273045	1.214158663	2.19E-07	1.31E-05	C2ORF15
ENSG00000185875	1.215731764	2.17E-05	0.000529025	THNSL1
ENSG00000073111	1.216137945	1.31E-07	8.74E-06	MCM2
ENSG00000277534	1.220711827	1.22E-05	0.000336451	AC007996.1
ENSG00000179299	1.221304582	0.000204967	0.003132614	NSUN7
ENSG00000104738	1.223049319	1.75E-05	0.000445928	MCM4
ENSG00000172824	1.224306702	0.0007646	0.008642846	CES4A
ENSG00000184363	1.224764862	0.000448197	0.005757365	PKP3
ENSG00000143858	1.227020758	0.000164574	0.00261792	SYT2
ENSG00000177202	1.228468691	0.000847539	0.009326268	SPACA4
ENSG00000157470	1.22995087	1.60E-05	0.000411992	FAM81A
ENSG00000126016	1.232233808	4.36E-06	0.000149582	AMOT
ENSG00000214050	1.235417293	3.11E-07	1.75E-05	FBXO16
ENSG00000162391	1.236480031	0.00023486	0.003488345	FAM151A
ENSG00000005187	1.236947752	0.00032019	0.004468245	ACSM3
ENSG00000203280	1.237780794	0.000227092	0.003395347	AL022323.1
ENSG00000270147	1.238052215	0.00031535	0.004408719	AC068620.3
ENSG00000006453	1.23988437	8.71E-08	6.39E-06	BAIAP2L1
ENSG00000162522	1.242064809	3.36E-06	0.000120819	KIAA1522

ENSG00000198554	1.246760176	4.20E-05	0.000891283	WDHD1
ENSG00000245213	1.248557189	6.92E-05	0.001316367	AC105285.1
ENSG00000142207	1.253108619	5.21E-06	0.000171596	URB1
ENSG00000132623	1.254687892	3.26E-05	0.000730726	ANKEF1
ENSG00000113368	1.255506294	0.000539096	0.006630532	LMNB1
ENSG00000136052	1.257398646	0.000890169	0.009698041	SLC41A2
ENSG00000164045	1.260579901	3.29E-05	0.000734004	CDC25A
ENSG00000108187	1.261391868	0.000597684	0.00715634	PBLD
ENSG00000119969	1.262673529	0.00011446	0.001967549	HELLS
ENSG00000135083	1.264232375	0.000399247	0.005297012	CCNJL
ENSG00000006555	1.264468766	2.42E-06	9.31E-05	TTC22
ENSG00000103257	1.266401716	0.000293255	0.004160459	SLC7A5
ENSG00000261716	1.26852045	0.000114755	0.001969313	AC239868.2
ENSG00000123213	1.270030547	5.97E-08	4.72E-06	NLN
ENSG00000198901	1.271623962	0.000582917	0.007029957	PRC1
ENSG00000133195	1.275084634	2.98E-09	4.16E-07	SLC39A11
ENSG00000170425	1.275230418	0.000227271	0.003395347	ADORA2B
ENSG00000185101	1.275337814	0.000310443	0.004350228	ANO9
ENSG00000091127	1.275409618	4.56E-05	0.000952467	PUS7
ENSG00000149573	1.276383254	5.44E-06	0.000177421	MPZL2
ENSG00000182240	1.280216772	3.46E-05	0.000765234	BACE2
ENSG00000132436	1.281456259	7.27E-05	0.001365863	FIGNL1
ENSG00000280734	1.281547037	1.29E-05	0.000347951	LINC01232
ENSG00000166689	1.281645234	7.41E-06	0.000226707	PLEKHA7
ENSG00000234492	1.2818559	0.00070409	0.008111171	RPL34-AS1
ENSG00000143153	1.282980205	1.36E-06	5.77E-05	ATP1B1
ENSG00000136295	1.285579622	5.13E-06	0.000169412	TTYH3
ENSG00000173715	1.291026122	2.71E-09	3.86E-07	C11ORF80
ENSG00000170485	1.293163801	0.00031596	0.00441524	NPAS2
ENSG00000137804	1.293377446	0.000181211	0.002837002	NUSAP1
ENSG00000091073	1.294117289	0.000265734	0.003833781	DTX2

ENSG00000124766	1.295907686	2.44E-05	0.000581519	SOX4
ENSG00000237523	1.298525124	0.000214734	0.003252364	LINC00857
ENSG00000279789	1.301571111	0.00047397	0.006012957	AC120114.4
ENSG00000062716	1.302279325	3.95E-06	0.000137806	VMP1
ENSG00000271119	1.304667892	6.95E-06	0.000216325	AC026412.3
ENSG00000181019	1.305225311	0.000894951	0.009736323	NQO1
ENSG00000078269	1.310106185	5.46E-05	0.001088718	SYNJ2
ENSG00000138160	1.310347156	1.67E-05	0.000426702	KIF11
ENSG00000145103	1.311729276	6.89E-09	8.30E-07	ILDR1
ENSG00000106460	1.3169782	3.31E-05	0.000738368	TMEM106B
ENSG00000137309	1.31997952	3.60E-05	0.000789545	HMGA1
ENSG00000226754	1.321280783	0.000603797	0.007204492	AL606760.1
ENSG00000225762	1.321469792	0.000789423	0.008856648	LINC01389
ENSG00000203288	1.32165737	0.000634151	0.00749098	TDRKH-AS1
ENSG00000124772	1.323102343	0.000832417	0.009186209	CPNE5
ENSG00000152256	1.325423476	0.000198884	0.00305908	PKD1
ENSG00000146733	1.327211107	6.97E-06	0.000216325	PSPH
ENSG00000184349	1.328125817	0.000310994	0.004355758	EFNA5
ENSG00000283897	1.329137618	2.61E-06	9.89E-05	AC011416.3
ENSG00000270557	1.331040711	0.000814643	0.009042108	AC013731.1
ENSG00000127831	1.331990003	0.00073003	0.008334938	VIL1
ENSG00000235098	1.332344238	0.000569842	0.006925856	ANKRD65
ENSG00000227719	1.332385254	0.000247761	0.003622978	AC006042.1
ENSG00000198380	1.333360874	5.55E-09	6.93E-07	GFPT1
ENSG00000168672	1.333631751	0.000490881	0.006158852	FAM84B
ENSG00000003249	1.337675784	0.000124448	0.002101575	DBNDD1
ENSG00000106392	1.337687838	2.96E-07	1.68E-05	C1GALT1
ENSG00000111490	1.339149777	1.78E-08	1.78E-06	TBC1D30
ENSG00000138346	1.341850815	0.000506847	0.006312664	DNA2
ENSG00000253686	1.344792811	0.000422165	0.005529384	LINC01484
ENSG00000115884	1.345701717	7.15E-06	0.000220521	SDC1

ENSG00000160949	1.348188206	2.57E-05	0.000603918	TONSL
ENSG00000102996	1.353321623	1.78E-05	0.00045073	MMP15
ENSG00000167741	1.35391953	0.000591695	0.007094019	GGT6
ENSG00000254343	1.354148225	0.000323371	0.004503748	AC091563.1
ENSG00000166546	1.354948547	0.000870536	0.009524705	BEAN1
ENSG00000117308	1.355783536	2.56E-05	0.000603282	GALE
ENSG00000151012	1.359005813	0.000748027	0.008502475	SLC7A11
ENSG00000106086	1.360865563	9.63E-06	0.000276774	PLEKHA8
ENSG00000162069	1.361309014	0.000499246	0.006233169	BICDL2
ENSG00000171084	1.363247842	0.000398736	0.005292524	FAM86JP
ENSG00000105699	1.363548616	1.85E-05	0.000465891	LSR
ENSG00000171241	1.365208866	0.000112209	0.001932931	SHCBP1
ENSG00000128059	1.366383279	8.98E-06	0.000262273	PPAT
ENSG00000108375	1.366991832	1.99E-06	8.01E-05	RNF43
ENSG00000070019	1.367480853	4.40E-05	0.000922133	GUCY2C
ENSG00000083307	1.374788421	1.93E-06	7.78E-05	GRHL2
ENSG00000261150	1.374910392	0.000102457	0.001797447	EPPK1
ENSG00000139835	1.375828257	0.000111403	0.001921456	GRTP1
ENSG00000151498	1.377685765	2.18E-07	1.31E-05	ACAD8
ENSG00000164574	1.378741383	2.84E-07	1.62E-05	GALNT10
ENSG00000141441	1.379378639	0.000358899	0.004881949	GAREM1
ENSG00000236015	1.382465248	0.000784666	0.008820957	AC011290.2
ENSG00000188766	1.384340062	5.90E-05	0.001152659	SPRED3
ENSG00000106804	1.386160931	0.000714342	0.00819048	C5
ENSG00000261126	1.386756834	2.93E-05	0.000665072	RBFADN
ENSG00000112655	1.391251142	7.52E-06	0.000228494	PTK7
ENSG00000130635	1.3914676	2.71E-05	0.000629308	COL5A1
ENSG00000085831	1.393852302	5.25E-05	0.001059709	TTC39A
ENSG00000175772	1.394167818	3.18E-05	0.000712777	LINC01106
ENSG00000006327	1.396413391	0.000157396	0.002527307	TNFRSF12A
ENSG00000000003	1.398332135	3.45E-06	0.000123201	TSPAN6

ENSG00000142627	1.399829247	0.000152922	0.002476185	EPHA2
ENSG00000106462	1.404665443	1.26E-07	8.52E-06	EZH2
ENSG00000253320	1.405037884	0.000603581	0.007204492	AZIN1-AS1
ENSG00000237276	1.408209782	0.000657195	0.007683372	ANO7L1
ENSG00000181544	1.40836909	8.12E-06	0.000242333	FANCB
ENSG00000074800	1.409242864	0.000775474	0.008733612	ENO1
ENSG00000237491	1.409978216	2.46E-08	2.28E-06	AL669831.5
ENSG00000261732	1.410603086	0.000453328	0.005802278	AL031708.1
ENSG00000163235	1.411691419	0.00037194	0.005012703	TGFA
ENSG00000128050	1.414142175	1.01E-11	3.88E-09	PAICS
ENSG00000214595	1.416050274	0.000359428	0.004882811	EML6
ENSG00000137747	1.417149266	0.000488424	0.006143022	TMPRSS13
ENSG00000279794	1.417838083	0.000187771	0.002924788	AC024580.1
ENSG00000273230	1.41854094	0.000492403	0.006172834	AC102953.2
ENSG00000182481	1.418866419	4.96E-05	0.001015535	KPNA2
ENSG00000093009	1.423165534	4.51E-06	0.000153531	CDC45
ENSG00000101276	1.424953523	3.53E-09	4.82E-07	SLC52A3
ENSG00000105011	1.426331232	2.48E-06	9.48E-05	ASF1B
ENSG00000157680	1.427810946	0.000586267	0.007055663	DGKI
ENSG00000115339	1.430086045	0.000596222	0.007141867	GALNT3
ENSG00000078098	1.430624174	2.86E-05	0.000655864	FAP
ENSG00000112984	1.433009198	2.82E-05	0.000650488	KIF20A
ENSG00000186056	1.433520112	4.32E-06	0.000148768	MATN1-AS1
ENSG00000134716	1.434454951	5.45E-05	0.001088718	CYP2J2
ENSG00000261602	1.434690377	0.000416459	0.005471471	AC092115.2
ENSG00000178409	1.434692202	2.75E-06	0.000102177	BEND3
ENSG00000271133	1.434871766	2.19E-05	0.000531717	AC004130.1
ENSG00000162949	1.435348741	5.05E-14	3.37E-11	CAPN13
ENSG00000146197	1.446443623	0.0003537	0.004826194	SCUBE3
ENSG00000076604	1.447508347	1.28E-07	8.61E-06	TRAF4
ENSG00000256282	1.447789221	0.00084227	0.009278262	AC112694.1

ENSG00000147799	1.448155713	8.55E-06	0.000252476	ARHGAP39
ENSG00000273132	1.44939975	0.000300912	0.004239703	AL355312.3
ENSG00000141576	1.449660695	0.000242644	0.003564317	RNF157
ENSG00000168502	1.450853987	4.03E-05	0.000860052	MTCL1
ENSG00000228221	1.451697849	2.37E-07	1.39E-05	LINC00578
ENSG00000228049	1.451944658	0.000684518	0.007951336	POLR2J2
ENSG00000198648	1.452385861	9.45E-13	4.61E-10	STK39
ENSG00000235237	1.453809001	0.00023123	0.003447787	Z82188.2
ENSG00000182134	1.454027496	5.09E-08	4.11E-06	TDRKH
ENSG00000175130	1.454791933	3.83E-05	0.000830918	MARCKSL1
ENSG00000265393	1.459913492	0.000766446	0.008657342	AC084125.4
ENSG00000089012	1.461079348	0.000796178	0.008920731	SIRPG
ENSG00000139044	1.462009453	1.43E-05	0.00037838	B4GALNT3
ENSG00000105855	1.464560092	0.000705058	0.008113184	ITGB8
ENSG00000120756	1.466416775	0.000143458	0.002350218	PLS1
ENSG00000170312	1.47177042	9.29E-06	0.000268932	CDK1
ENSG00000003147	1.480857804	2.16E-08	2.04E-06	ICA1
ENSG00000258757	1.481353189	0.000787447	0.008839268	AL133453.1
ENSG00000146267	1.481497224	0.000189274	0.002945209	FAXC
ENSG00000196793	1.482445781	2.00E-05	0.000497409	ZNF239
ENSG00000151651	1.485752221	2.41E-07	1.42E-05	ADAM8
ENSG00000165238	1.486019284	0.000179253	0.002809217	WNK2
ENSG00000184661	1.487608254	0.000763068	0.008631894	CDCA2
ENSG00000070729	1.489033822	0.000348364	0.004770346	CNGB1
ENSG00000135476	1.493075755	4.73E-05	0.000980236	ESPL1
ENSG00000085840	1.495225942	1.01E-06	4.63E-05	ORC1
ENSG00000176124	1.496185718	2.75E-06	0.000102177	DLEU1
ENSG00000114805	1.498819742	2.82E-05	0.000650488	PLCH1
ENSG00000170417	1.501896148	3.35E-11	1.06E-08	TMEM182
ENSG00000091651	1.501995207	1.09E-06	4.87E-05	ORC6
ENSG00000176358	1.504606652	0.00013006	0.002179565	TAC4

ENSG00000164109	1.507794187	2.59E-05	0.000606095	MAD2L1
ENSG00000262691	1.509753695	3.11E-05	0.000700718	AC040160.1
ENSG00000275437	1.515841162	2.77E-05	0.000641778	AL121832.3
ENSG00000173890	1.516102999	5.64E-06	0.000183129	GPR160
ENSG00000114346	1.516924193	3.40E-05	0.000755146	ECT2
ENSG00000274184	1.519737124	5.79E-05	0.001139253	AC011815.2
ENSG00000129514	1.520411017	2.66E-08	2.42E-06	FOXA1
ENSG00000162063	1.521532713	2.80E-13	1.51E-10	CCNF
ENSG00000231952	1.522266024	0.000925236	0.009977407	DPY19L1P2
ENSG00000175600	1.522296192	4.78E-06	0.000160535	SUGCT
ENSG00000227392	1.523021733	2.05E-05	0.000508399	HPN-AS1
ENSG00000131153	1.524372653	0.000141372	0.002324718	GINS2
ENSG00000111816	1.526450112	4.14E-10	9.10E-08	FRK
ENSG00000146072	1.527175182	2.11E-06	8.34E-05	TNFRSF21
ENSG00000169679	1.527334735	1.52E-05	0.000397285	BUB1
ENSG00000247982	1.528289115	0.000843531	0.009285495	LINC00926
ENSG00000253671	1.528802666	5.72E-05	0.001128566	AC027117.1
ENSG00000260874	1.529242487	1.01E-07	7.16E-06	AC106820.5
ENSG00000248608	1.530341176	0.000518221	0.006423053	AC133963.1
ENSG00000184454	1.532854622	0.000247842	0.003622978	NCMAP
ENSG00000224189	1.533377873	0.000390406	0.005211241	HAGLR
ENSG00000155974	1.537338858	0.000600806	0.007182772	GRIP1
ENSG00000181634	1.538275579	0.00029894	0.004217718	TNFSF15
ENSG00000100196	1.543361759	6.77E-14	4.42E-11	KDEL3
ENSG00000101850	1.54400506	0.00024201	0.003560116	GPR143
ENSG00000267751	1.545275048	0.000125944	0.00212102	AC009005.1
ENSG00000229689	1.547379453	2.44E-08	2.26E-06	AC009237.3
ENSG00000164542	1.547900182	2.33E-05	0.000559095	KIAA0895
ENSG00000122952	1.548164138	4.37E-06	0.000149582	ZWINT
ENSG00000164877	1.548263531	0.000158991	0.002547594	MICALL2
ENSG00000184305	1.548881282	0.000386782	0.005178622	CCSER1

ENSG00000092853	1.550252315	0.000798166	0.008936727	CLSPN
ENSG00000135423	1.552086253	2.40E-06	9.28E-05	GLS2
ENSG00000139865	1.553038784	7.33E-08	5.59E-06	TTC6
ENSG00000243364	1.558459488	0.000260887	0.003779842	EFNA4
ENSG00000133216	1.559482335	7.40E-05	0.001386035	EPHB2
ENSG00000248587	1.560424697	0.000366149	0.004954223	GDNF-AS1
ENSG00000128045	1.56043956	7.24E-07	3.49E-05	RASL11B
ENSG00000157193	1.562615405	1.66E-06	6.84E-05	LRP8
ENSG00000279742	1.565552949	0.000619921	0.007351181	AP000974.1
ENSG00000165182	1.567821841	3.01E-07	1.70E-05	CXORF58
ENSG00000121207	1.571079691	0.000430906	0.005605609	LRAT
ENSG00000181291	1.572428658	2.96E-05	0.000670846	TMEM132E
ENSG00000149260	1.572507874	0.000238423	0.003524229	CAPN5
ENSG00000101104	1.573218187	4.97E-07	2.59E-05	PABPC1L
ENSG00000143850	1.573609548	1.41E-07	9.28E-06	PLEKHA6
ENSG00000183742	1.57407167	1.78E-06	7.28E-05	MACC1
ENSG00000141579	1.575203442	0.000221257	0.003328184	ZNF750
ENSG00000170439	1.577297743	0.000746754	0.008491144	METTL7B
ENSG00000272717	1.577298396	0.000823571	0.009114795	AC112236.2
ENSG00000183250	1.577852236	0.00022592	0.0033804	LINC01547
ENSG00000163357	1.578805693	0.000141981	0.002333488	DCST1
ENSG00000041353	1.578890926	0.000265145	0.003827085	RAB27B
ENSG00000155660	1.579376606	5.22E-12	2.19E-09	PDIA4
ENSG00000130768	1.58065643	0.000176319	0.002768886	SMPDL3B
ENSG00000086548	1.582421511	0.000617672	0.007330164	CEACAM6
ENSG00000174137	1.584271149	6.58E-06	0.000207333	FAM53A
ENSG00000083857	1.588943144	9.16E-05	0.001644881	FAT1
ENSG00000154760	1.589545247	1.99E-09	3.08E-07	SLFN13
ENSG00000039068	1.590848894	2.28E-09	3.47E-07	CDH1
ENSG00000168032	1.592148731	5.61E-06	0.000182346	ENTPD3
ENSG00000256940	1.593768851	5.82E-05	0.001142047	AP001453.2

ENSG00000224081	1.594433203	5.50E-05	0.001095353	SLC44A3-AS1
ENSG00000230445	1.595299115	0.000417648	0.00547723	LRRC37A6P
ENSG00000116191	1.596344214	4.64E-05	0.00096422	RALGPS2
ENSG00000110400	1.598094221	9.41E-09	1.09E-06	NECTIN1
ENSG00000149256	1.59923055	1.04E-05	0.000294924	TENM4
ENSG00000249700	1.601405729	1.21E-06	5.31E-05	SRD5A3-AS1
ENSG00000204580	1.601899736	0.000427919	0.005578568	DDR1
ENSG00000184669	1.602576181	1.17E-07	8.09E-06	OR7E14P
ENSG00000253567	1.603600304	0.00032909	0.004553125	AC025871.1
ENSG00000171236	1.60416286	0.000121852	0.002069118	LRG1
ENSG00000163121	1.604458691	0.000557381	0.00680945	NEURL3
ENSG00000143228	1.604989838	1.15E-05	0.000320097	NUF2
ENSG00000233058	1.605675777	2.00E-07	1.23E-05	LINC00884
ENSG00000132470	1.609290324	1.51E-05	0.000393799	ITGB4
ENSG00000006432	1.612834404	6.95E-08	5.37E-06	MAP3K9
ENSG00000204588	1.613956576	1.00E-05	0.000286036	LINC01123
ENSG00000116771	1.614560983	0.000443837	0.00571331	AGMAT
ENSG00000100167	1.615877576	2.81E-05	0.000649325	3-Sep
ENSG00000188368	1.617087955	1.82E-07	1.14E-05	PRR19
ENSG00000203724	1.619146536	0.000216666	0.003272069	C1ORF53
ENSG00000125869	1.623473506	0.000193508	0.002997426	LAMP5
ENSG00000147676	1.623791188	2.71E-10	6.44E-08	MAL2
ENSG00000175643	1.627033626	4.91E-06	0.000163805	RMI2
ENSG00000046604	1.627864665	0.000111118	0.001917614	DSG2
ENSG00000110628	1.627958805	7.06E-07	3.45E-05	SLC22A18
ENSG00000136261	1.628508165	4.25E-10	9.25E-08	BZW2
ENSG00000163435	1.629255224	1.64E-05	0.000420866	ELF3
ENSG00000189143	1.629479136	0.0001105	0.001911246	CLDN4
ENSG00000135722	1.630169959	3.48E-05	0.000768928	FBXL8
ENSG00000076382	1.630943162	8.89E-10	1.55E-07	SPAG5
ENSG00000197847	1.632217059	0.000229022	0.003418185	SLC22A20P

ENSG00000267128	1.6323821	8.14E-06	0.000242333	RNF157-AS1
ENSG00000251179	1.633658173	0.000840497	0.009262065	TMEM92-AS1
ENSG00000128039	1.636176346	8.75E-06	0.000257267	SRD5A3
ENSG00000204323	1.638282373	0.00015719	0.002526651	SMIM5
ENSG00000051341	1.64014406	2.82E-05	0.000650488	POLQ
ENSG00000105877	1.640378869	0.000183398	0.002869784	DNAH11
ENSG00000189045	1.64060153	2.18E-07	1.31E-05	ANKDD1B
ENSG00000185842	1.644071231	8.31E-09	9.78E-07	DNAH14
ENSG00000153944	1.64443948	4.42E-09	5.68E-07	MSI2
ENSG00000271366	1.644904089	0.000221584	0.003331469	AC002128.2
ENSG00000129810	1.646919275	0.000754842	0.008564596	SGO1
ENSG00000171320	1.64715163	7.23E-05	0.00136116	ESCO2
ENSG00000163083	1.647642091	1.64E-06	6.78E-05	INHBB
ENSG00000281398	1.651310643	0.00039815	0.005289314	SNHG4
ENSG00000167105	1.65303267	0.000512135	0.006365615	TMEM92
ENSG00000251287	1.654566746	4.14E-06	0.000143125	ALG1L2
ENSG00000235837	1.662378241	1.23E-08	1.35E-06	AC073333.1
ENSG00000146955	1.664044858	8.18E-05	0.001498329	RAB19
ENSG00000246982	1.665260184	0.000171881	0.002711671	Z84485.1
ENSG00000173239	1.665946879	0.000456767	0.005840574	LIPM
ENSG00000272913	1.668597873	1.18E-08	1.31E-06	AC009237.14
ENSG00000111199	1.668777312	7.03E-06	0.000217716	TRPV4
ENSG00000110660	1.668856324	7.23E-08	5.55E-06	SLC35F2
ENSG00000185033	1.671359381	6.13E-07	3.07E-05	SEMA4B
ENSG00000105131	1.672433468	0.000449191	0.005765309	EPHX3
ENSG00000196407	1.672683287	2.47E-05	0.000584849	THEM5
ENSG00000185090	1.672923869	1.86E-08	1.85E-06	MANEAL
ENSG00000254024	1.674961334	7.03E-05	0.001335647	AP001207.3
ENSG00000226942	1.675338805	0.000669958	0.007805832	IL9RP3
ENSG00000167900	1.676149121	2.61E-06	9.89E-05	TK1
ENSG00000121895	1.677482508	0.000755166	0.008564596	TMEM156

ENSG00000176153	1.678347417	0.000404028	0.005344272	GPX2
ENSG00000233728	1.678986187	6.92E-07	3.40E-05	AL929472.3
ENSG00000260231	1.684304648	7.06E-06	0.00021812	JHDM1D-AS1
ENSG00000205890	1.684485592	7.18E-10	1.37E-07	AC108134.1
ENSG00000137709	1.684833625	2.42E-06	9.31E-05	POU2F3
ENSG00000085465	1.686861229	4.72E-06	0.000159074	OVGP1
ENSG00000146674	1.687517803	3.82E-05	0.000828353	IGFBP3
ENSG00000247317	1.688017808	5.45E-05	0.001088718	LY6E-DT
ENSG00000188706	1.688519325	1.30E-09	2.15E-07	ZDHHC9
ENSG00000276116	1.688982393	8.90E-08	6.48E-06	FUT8-AS1
ENSG00000225905	1.690838929	0.000242179	0.003560136	AL391244.2
ENSG00000119888	1.692650209	3.10E-09	4.29E-07	EPCAM
ENSG00000165272	1.69754014	4.62E-05	0.000962434	AQP3
ENSG00000253972	1.697869545	4.33E-05	0.000910942	MAL2-AS1
ENSG00000280237	1.698188708	1.39E-05	0.000370143	MIR4697HG
ENSG00000073605	1.698239265	5.65E-07	2.87E-05	GSDMB
ENSG00000146670	1.698625236	5.40E-05	0.001080602	CDCA5
ENSG00000180198	1.699320865	3.84E-10	8.66E-08	RCC1
ENSG00000149418	1.702179589	9.46E-06	0.000273038	ST14
ENSG00000125508	1.702549398	5.28E-05	0.001061418	SRMS
ENSG00000033170	1.703140005	2.76E-11	8.83E-09	FUT8
ENSG00000006283	1.703774089	0.000718544	0.00822521	CACNA1G
ENSG00000173852	1.704638883	2.85E-06	0.000105459	DPY19L1
ENSG00000147234	1.706120234	0.00026892	0.003870652	FRMPD3
ENSG00000197768	1.707253357	7.56E-05	0.001410576	STPG3
ENSG00000163075	1.708385304	9.36E-06	0.000270463	CFAP221
ENSG00000164171	1.708968075	0.000262052	0.003793147	ITGA2
ENSG00000171502	1.709492621	5.26E-05	0.001060975	COL24A1
ENSG00000235408	1.710059025	0.00058425	0.007042422	SNORA71B
ENSG00000136492	1.711147509	1.48E-06	6.21E-05	BRIP1
ENSG00000105976	1.713051361	4.25E-05	0.000898657	MET

ENSG00000101134	1.713890161	0.00021524	0.003256819	DOK5
ENSG00000159337	1.71684698	0.000799158	0.00893739	PLA2G4D
ENSG00000067177	1.718641955	2.02E-07	1.24E-05	PHKA1
ENSG00000223749	1.719681759	0.000309403	0.00434028	MIR503HG
ENSG00000228436	1.720231381	8.89E-07	4.14E-05	AL139260.1
ENSG00000049249	1.721749258	0.000921793	0.009961265	TNFRSF9
ENSG00000134709	1.722036761	1.30E-07	8.70E-06	HOOK1
ENSG00000232335	1.723233314	0.000494246	0.006183781	AL354864.1
ENSG00000280587	1.725375484	3.69E-05	0.000804186	LINC01348
ENSG00000204335	1.727730175	8.17E-05	0.001498329	SP5
ENSG00000008300	1.728918506	9.15E-10	1.58E-07	CELSR3
ENSG00000253944	1.73196207	0.000191741	0.002973046	AC027117.2
ENSG00000087510	1.73504881	1.08E-06	4.87E-05	TFAP2C
ENSG00000148344	1.735801675	0.000360663	0.004892939	PTGES
ENSG00000164251	1.736494437	7.02E-06	0.000217464	F2RL1
ENSG00000135750	1.737827401	0.000615969	0.007312781	KCNK1
ENSG00000211448	1.744972924	9.70E-05	0.001719065	DIO2
ENSG00000230107	1.745096975	0.000438874	0.005670822	AL022316.1
ENSG00000229950	1.745697562	2.89E-05	0.000658893	TFAP2A-AS1
ENSG00000130590	1.7459407	2.35E-07	1.39E-05	SAMD10
ENSG00000184949	1.750048545	0.000211512	0.003216549	FAM227A
ENSG00000156970	1.754622789	6.11E-05	0.001187525	BUB1B
ENSG00000260920	1.755549447	1.64E-06	6.78E-05	AL031985.3
ENSG00000240216	1.760920429	0.000394227	0.005257668	CPHL1P
ENSG00000184343	1.760963252	3.56E-05	0.000783219	SRPK3
ENSG00000262412	1.761134786	0.000169296	0.002677772	AL160291.1
ENSG00000171657	1.764601475	2.57E-05	0.000603918	GPR82
ENSG00000114646	1.766797046	0.000605074	0.007214131	CSPG5
ENSG00000153012	1.769693383	5.15E-05	0.001044703	LGI2
ENSG00000041982	1.771364258	7.80E-05	0.001446716	TNC
ENSG00000101003	1.771496971	8.87E-08	6.47E-06	GIN51

ENSG00000198929	1.778087583	0.000142832	0.002341215	NOS1AP
ENSG00000260577	1.781170581	2.16E-05	0.000527599	AC126773.2
ENSG00000118596	1.781884198	2.14E-05	0.000523796	SLC16A7
ENSG00000232884	1.783097997	0.000528849	0.006536304	AF127936.2
ENSG00000155792	1.784683178	6.28E-10	1.27E-07	DEPTOR
ENSG00000143590	1.794765158	3.97E-05	0.000852373	EFNA3
ENSG00000134057	1.798367278	9.12E-07	4.22E-05	CCNB1
ENSG00000268686	1.806497892	0.000321678	0.004484935	AC010643.1
ENSG00000273151	1.809304035	2.56E-07	1.49E-05	AC073957.3
ENSG00000109586	1.809866283	3.39E-07	1.88E-05	GALNT7
ENSG00000134317	1.810201465	4.34E-05	0.000912901	GRHL1
ENSG00000225556	1.813223775	1.25E-06	5.41E-05	C2CD4D
ENSG00000171435	1.814636119	8.82E-06	0.000258603	KSR2
ENSG00000265474	1.815403763	1.23E-05	0.000336782	AC010761.4
ENSG00000011347	1.819618592	1.34E-05	0.000358335	SYT7
ENSG00000263786	1.820134058	2.29E-05	0.000552357	AC022211.1
ENSG00000166803	1.820667547	7.06E-06	0.00021812	PCLAF
ENSG00000279443	1.822403223	0.000149347	0.002435508	AL513497.1
ENSG00000145536	1.824296902	0.000563879	0.006869707	ADAMTS16
ENSG00000163689	1.826544508	1.70E-06	6.98E-05	C3ORF67
ENSG00000279747	1.832008594	9.92E-09	1.13E-06	AC130456.6
ENSG00000150594	1.836992263	0.000256243	0.003723106	ADRA2A
ENSG00000273062	1.840520841	0.000325195	0.004521192	AL449106.1
ENSG00000141682	1.841939017	0.000109002	0.001888529	PMAIP1
ENSG00000188372	1.842601204	0.000282243	0.004028827	ZP3
ENSG00000148773	1.844342149	1.06E-06	4.78E-05	MKI67
ENSG00000245522	1.844665638	3.68E-05	0.000803262	AC026250.1
ENSG00000123485	1.845704444	1.02E-05	0.000289705	HJURP
ENSG00000166851	1.851025532	9.11E-11	2.41E-08	PLK1
ENSG00000175356	1.852870828	5.11E-05	0.001038861	SCUBE2
ENSG00000115107	1.853552543	1.17E-13	7.20E-11	STEAP3

ENSG00000174371	1.856767629	7.16E-06	0.000220539	EXO1
ENSG00000245330	1.858212454	2.87E-05	0.000656793	AP005717.1
ENSG00000281706	1.859718126	2.46E-05	0.000584583	LINC01012
ENSG00000115718	1.85997648	0.000619309	0.007346754	PROC
ENSG00000061656	1.862623174	0.000139803	0.002305104	SPAG4
ENSG00000171346	1.862895702	0.000656305	0.007679756	KRT15
ENSG00000100526	1.867093781	1.04E-05	0.000294914	CDKN3
ENSG00000142945	1.867150428	4.10E-08	3.48E-06	KIF2C
ENSG00000101670	1.867580992	4.19E-05	0.000890177	LIPG
ENSG00000274605	1.870015099	5.54E-06	0.000180293	AL355338.1
ENSG00000002746	1.870138437	4.95E-06	0.000164602	HECW1
ENSG00000115290	1.877187631	0.000327687	0.004545871	GRB14
ENSG00000274414	1.877939343	0.00071193	0.008167777	AL121772.1
ENSG00000197930	1.879261108	4.19E-06	0.000144716	ERO1A
ENSG00000104341	1.881508477	7.42E-05	0.001387631	LAPTM4B
ENSG00000272556	1.884911075	4.70E-06	0.000158604	GTF2IP13
ENSG00000236305	1.886505349	2.13E-05	0.000522929	SLC12A9-AS1
ENSG00000228838	1.887970615	0.000538287	0.006628936	AL355483.2
ENSG00000262223	1.888164848	0.00069597	0.008052823	AC110285.1
ENSG00000196503	1.888277358	9.68E-05	0.001716392	ARL9
ENSG00000196787	1.888633628	0.000323467	0.004503748	HIST1H2AG
ENSG00000129235	1.889590164	0.00024078	0.003553073	TXNDC17
ENSG00000246740	1.890359763	5.82E-05	0.001142047	PLA2G4E-AS1
ENSG00000130701	1.890748319	0.000139535	0.002303151	RBBP8NL
ENSG00000169330	1.891241519	2.56E-09	3.73E-07	KIAA1024
ENSG00000189057	1.892832563	3.13E-05	0.000702741	FAM111B
ENSG00000260592	1.895952564	2.19E-13	1.27E-10	AC130456.3
ENSG00000104415	1.898565281	0.000692493	0.008022722	WISP1
ENSG00000015413	1.900214743	0.000352198	0.004812113	DPEP1
ENSG00000178999	1.904143946	2.67E-06	0.000100394	AURKB
ENSG00000163462	1.906052467	1.06E-05	0.000300017	TRIM46

ENSG00000164379	1.906467245	1.56E-06	6.50E-05	FOXQ1
ENSG00000123473	1.907396511	2.82E-10	6.61E-08	STIL
ENSG00000087586	1.907551718	1.05E-06	4.76E-05	AURKA
ENSG00000136231	1.909454088	0.00015516	0.002504508	IGF2BP3
ENSG00000273272	1.9132739	0.000151549	0.002458718	U62317.5
ENSG00000151882	1.913900287	1.50E-05	0.000391936	CCL28
ENSG00000186185	1.914252686	2.24E-07	1.34E-05	KIF18B
ENSG00000182013	1.91653283	2.87E-05	0.000656793	PNMA8A
ENSG00000179023	1.917385631	1.24E-11	4.71E-09	KLHDC7A
ENSG00000185760	1.918343805	0.000411343	0.005420015	KCNQ5
ENSG00000101213	1.919620377	4.39E-07	2.34E-05	PTK6
ENSG00000258661	1.920764992	0.000805165	0.008970146	AL079303.2
ENSG00000105464	1.921924147	0.000247936	0.003622978	GRIN2D
ENSG00000262714	1.924891872	0.00013398	0.002234283	AC007342.5
ENSG00000239887	1.927122882	8.51E-07	3.99E-05	C1ORF226
ENSG00000267709	1.930344528	9.65E-05	0.001715196	AC024592.2
ENSG00000283064	1.931378756	4.13E-05	0.000878543	AL353759.1
ENSG00000115163	1.931769948	3.67E-05	0.000803258	CENPA
ENSG00000121152	1.93317129	7.46E-06	0.000227754	NCAPH
ENSG00000143297	1.933463618	0.00051355	0.006378036	FCRL5
ENSG00000258667	1.933765767	0.000105013	0.001831815	HIF1A-AS2
ENSG00000130762	1.93678395	1.35E-06	5.75E-05	ARHGEF16
ENSG00000168078	1.937938034	4.85E-05	0.000999814	PBK
ENSG00000132746	1.938279976	0.000132091	0.002208777	ALDH3B2
ENSG00000143502	1.940346609	1.27E-08	1.37E-06	SUSD4
ENSG00000168542	1.941545751	2.10E-05	0.000518676	COL3A1
ENSG00000234614	1.941669278	6.45E-05	0.001240764	AL450992.2
ENSG00000121211	1.943921254	6.07E-08	4.77E-06	MND1
ENSG00000065328	1.944893112	8.93E-07	4.15E-05	MCM10
ENSG00000278987	1.945123967	8.02E-05	0.00148028	AL031009.1
ENSG00000174501	1.945370078	0.000411627	0.005421428	ANKRD36C

ENSG00000115255	1.946331974	0.000549286	0.006729304	REEP6
ENSG00000116711	1.947952541	2.14E-05	0.000523796	PLA2G4A
ENSG00000139263	1.948429912	2.05E-06	8.20E-05	LRIG3
ENSG00000249859	1.949099186	6.98E-07	3.42E-05	PVT1
ENSG00000138180	1.949847037	1.93E-05	0.000482156	CEP55
ENSG00000256229	1.95168421	5.88E-05	0.001150482	ZNF486
ENSG00000227630	1.95459425	1.95E-06	7.86E-05	LINC01132
ENSG00000259342	1.958766642	0.000582987	0.007029957	AC025580.1
ENSG00000177788	1.959891086	7.45E-08	5.66E-06	AL162595.1
ENSG00000249825	1.968045293	0.000581095	0.007020641	CTD-2201I18.1
ENSG00000134690	1.969801151	4.87E-08	3.97E-06	CDCA8
ENSG00000109654	1.970361155	2.11E-08	2.01E-06	TRIM2
ENSG00000265800	1.973782106	5.82E-08	4.63E-06	AC022211.3
ENSG00000183914	1.97410112	6.55E-06	0.000206887	DNAH2
ENSG00000205622	1.97666358	0.000528733	0.006536304	AP001043.1
ENSG00000168528	1.976918051	8.42E-07	3.96E-05	SERINC2
ENSG00000229867	1.977404722	4.77E-05	0.000987078	STEAP3-AS1
ENSG00000274904	1.977509012	5.89E-07	2.96E-05	AC093512.1
ENSG00000112742	1.978762831	6.15E-07	3.08E-05	TTK
ENSG00000272502	1.980584767	5.50E-07	2.81E-05	AC104958.2
ENSG00000168634	1.982685903	0.000106608	0.001853324	WFDC13
ENSG00000184361	1.982980006	1.43E-05	0.000377593	SPATA32
ENSG00000132704	1.985551519	0.000284841	0.004056075	FCRL2
ENSG00000226943	1.986009043	0.000134187	0.002235303	ALG1L5P
ENSG00000072571	1.991693701	8.03E-06	0.000240778	HMMR
ENSG00000118193	1.992404206	4.12E-05	0.000878543	KIF14
ENSG00000151715	1.993139466	3.35E-08	2.90E-06	TMEM45B
ENSG00000135451	1.995056891	7.76E-07	3.69E-05	TROAP
ENSG00000102962	1.996460944	0.000339839	0.004676553	CCL22
ENSG00000075218	1.997032792	1.46E-07	9.53E-06	GTSE1
ENSG00000263325	1.999014359	0.000585647	0.007051104	AC003965.2

ENSG00000165905	1.99972642	6.94E-10	1.35E-07	LARGE2
ENSG00000133477	2.000001319	0.000474537	0.006017668	FAM83F
ENSG00000233834	2.000318781	7.65E-08	5.74E-06	AC005083.1
ENSG00000225988	2.001324753	0.000897546	0.009757632	LAMP5-AS1
ENSG00000115828	2.006797995	0.000465571	0.005938632	QPCT
ENSG00000144045	2.017023222	9.30E-06	0.000269142	DQX1
ENSG00000095752	2.020117287	0.000127183	0.002139536	IL11
ENSG00000165434	2.0212141	1.17E-06	5.16E-05	PGM2L1
ENSG00000167964	2.024547166	1.91E-08	1.89E-06	RAB26
ENSG00000162482	2.02768025	0.000125318	0.002114257	AKR7A3
ENSG00000214215	2.028463537	0.000173359	0.00273079	C12ORF74
ENSG00000157456	2.030436942	8.04E-07	3.80E-05	CCNB2
ENSG00000100985	2.032043267	0.000108453	0.001881139	MMP9
ENSG00000274290	2.032355882	0.000128795	0.002160732	HIST1H2BE
ENSG00000198203	2.033115537	0.000293527	0.004162383	SULT1C2
ENSG00000255308	2.033704217	0.000250237	0.003653129	AC009652.2
ENSG00000079385	2.035082349	1.31E-10	3.35E-08	CEACAM1
ENSG00000100290	2.03895496	1.45E-05	0.000381385	BIK
ENSG00000115641	2.041090577	2.60E-05	0.000608157	FHL2
ENSG00000077152	2.041656063	1.35E-08	1.45E-06	UBE2T
ENSG00000207110	2.041695286	0.00057306	0.006953963	RNU1-106P
ENSG00000174514	2.042533662	3.72E-11	1.14E-08	MFSD4A
ENSG00000158373	2.042784949	8.05E-06	0.000241087	HIST1H2BD
ENSG00000198807	2.044366851	1.20E-05	0.000330571	PAX9
ENSG00000163293	2.049040224	4.88E-05	0.001005161	NIPAL1
ENSG00000158055	2.05495521	1.13E-07	7.83E-06	GRHL3
ENSG00000240505	2.055695014	0.000462432	0.005908079	TNFRSF13B
ENSG00000169607	2.055996414	6.83E-06	0.000214079	CKAP2L
ENSG00000163362	2.056380128	1.77E-09	2.80E-07	INAVA
ENSG00000152953	2.058960648	3.99E-06	0.000138912	STK32B
ENSG00000224566	2.059125171	0.000397458	0.0052824	FAM96AP2

ENSG00000262468	2.061906363	6.46E-07	3.21E-05	LINC01569
ENSG00000135069	2.06264311	1.08E-07	7.47E-06	PSAT1
ENSG00000103534	2.068685067	4.36E-14	2.98E-11	TMC5
ENSG00000005471	2.069730175	9.97E-07	4.58E-05	ABCB4
ENSG00000162873	2.07055049	1.49E-06	6.23E-05	KLHDC8A
ENSG00000225506	2.078853744	0.000576291	0.006983535	CYP4A22-AS1
ENSG00000166897	2.080754386	1.35E-06	5.76E-05	ELFN2
ENSG00000197635	2.083860329	1.07E-06	4.82E-05	DPP4
ENSG00000175793	2.088225148	7.34E-05	0.001377536	SFN
ENSG00000229257	2.090282738	2.58E-05	0.000605752	AL807752.2
ENSG00000169684	2.090840363	0.000492287	0.006172834	CHRNA5
ENSG00000273032	2.092022096	5.75E-05	0.001131135	DGCR9
ENSG00000186340	2.093210035	5.96E-08	4.72E-06	THBS2
ENSG00000165816	2.095553353	1.25E-07	8.52E-06	VWA2
ENSG00000226856	2.104516276	0.000150035	0.002441036	AC093901.1
ENSG00000076864	2.106719463	6.75E-05	0.001291183	RAP1GAP
ENSG00000125398	2.106851538	0.000126839	0.002134911	SOX9
ENSG00000226363	2.108208884	0.000134307	0.002236092	HAGLROS
ENSG00000196584	2.110001057	3.35E-08	2.90E-06	XRCC2
ENSG00000106089	2.110951017	1.33E-09	2.17E-07	STX1A
ENSG00000255847	2.111712442	0.000428935	0.005584707	AP003717.1
ENSG00000007952	2.113739785	2.41E-05	0.000576091	NOX1
ENSG00000258914	2.114105159	5.70E-05	0.001127665	AL132712.2
ENSG00000060140	2.115349577	2.26E-06	8.88E-05	STYK1
ENSG00000221947	2.117552752	0.000149944	0.002441036	XKR9
ENSG00000183844	2.118259109	0.00024066	0.003553073	FAM3B
ENSG00000175497	2.11938234	2.86E-07	1.63E-05	DPP10
ENSG00000261762	2.119524506	0.000294191	0.004169881	AC027228.2
ENSG00000089685	2.120346513	8.52E-07	3.99E-05	BIRC5
ENSG00000149948	2.130039468	0.000816604	0.009057278	HMGA2
ENSG00000145794	2.13285659	2.98E-05	0.000675384	MEGF10

ENSG00000187726	2.134092634	0.000357081	0.004861532	DNAJB13
ENSG00000162062	2.135818564	2.27E-07	1.36E-05	TEDC2
ENSG00000233396	2.136260469	0.000551196	0.006750004	LINC01719
ENSG00000186871	2.138207534	1.43E-07	9.36E-06	ERCC6L
ENSG00000080854	2.141053228	3.41E-08	2.94E-06	IGSF9B
ENSG00000101049	2.142827324	6.22E-06	0.000197971	SGK2
ENSG00000261420	2.143521931	9.56E-05	0.001702896	AL022069.1
ENSG00000174876	2.14357786	0.000669729	0.007805832	AMY1B
ENSG00000196335	2.145637502	4.34E-09	5.64E-07	STK31
ENSG00000105369	2.145997595	5.17E-06	0.000170614	CD79A
ENSG00000049089	2.146658295	4.61E-05	0.000961243	COL9A2
ENSG00000198216	2.149083274	0.000368713	0.004980136	CACNA1E
ENSG00000248485	2.150213473	3.57E-05	0.000783666	PCP4L1
ENSG00000197261	2.154264565	6.46E-09	7.86E-07	C6ORF141
ENSG00000203999	2.155941217	4.52E-06	0.000153531	LINC01270
ENSG00000283511	2.158169362	0.000794581	0.008906327	AC137936.2
ENSG0000010438	2.158864699	0.000802247	0.008957364	PRSS3
ENSG00000168070	2.165433871	0.000539496	0.006630532	MAJIN
ENSG00000280027	2.171917116	1.53E-05	0.000397972	AC007342.9
ENSG00000117399	2.172031293	1.98E-09	3.08E-07	CDC20
ENSG00000280182	2.17303335	0.00013081	0.002189752	AC131888.1
ENSG00000128298	2.177308317	2.76E-05	0.000640714	BAIAP2L2
ENSG00000165480	2.177428379	7.44E-10	1.38E-07	SKA3
ENSG00000255026	2.178199618	0.000761088	0.008619015	AC136475.3
ENSG00000088325	2.178522972	6.49E-07	3.22E-05	TPX2
ENSG00000128645	2.179344249	5.32E-07	2.72E-05	HOXD1
ENSG00000142632	2.179935469	1.73E-07	1.09E-05	ARHGEF19
ENSG00000162896	2.180412042	4.90E-06	0.0001636	PIGR
ENSG00000207923	2.186121171	4.95E-05	0.001013589	MIR559
ENSG00000135318	2.187120423	1.83E-11	6.61E-09	NT5E
ENSG00000187510	2.188200164	1.31E-07	8.73E-06	PLEKHG7

ENSG00000231864	2.189463374	1.40E-05	0.000371914	AL807752.3
ENSG00000261266	2.189723019	7.42E-09	8.79E-07	AC008870.3
ENSG00000130054	2.189817453	4.15E-07	2.24E-05	FAM155B
ENSG00000120149	2.190030172	2.35E-05	0.000562981	MSX2
ENSG00000187912	2.191739663	0.00068963	0.007998611	CLEC17A
ENSG00000110777	2.192805031	3.83E-05	0.000830918	POU2AF1
ENSG00000239857	2.193048197	1.16E-08	1.29E-06	GET4
ENSG00000213937	2.198608539	8.70E-06	0.000256137	CLDN9
ENSG00000225193	2.198692195	0.000156752	0.002520922	RPS12P26
ENSG00000042980	2.200285507	4.76E-06	0.000159946	ADAM28
ENSG00000128683	2.203034941	4.68E-05	0.000970871	GAD1
ENSG00000244675	2.204775498	5.14E-05	0.001044122	AC108676.1
ENSG00000248329	2.20668854	0.000548218	0.006718893	APELA
ENSG00000226065	2.207275543	0.000703273	0.008107067	ZBTB45P2
ENSG00000066279	2.211067784	3.22E-06	0.000117184	ASPM
ENSG00000153060	2.211237827	4.40E-05	0.000923096	TEKT5
ENSG00000171848	2.212912594	1.07E-07	7.45E-06	RRM2
ENSG00000183196	2.212947144	2.25E-05	0.00054385	CHST6
ENSG00000176884	2.213482958	7.76E-06	0.000234257	GRIN1
ENSG00000203697	2.214899387	8.25E-12	3.25E-09	CAPN8
ENSG00000204277	2.216211694	0.000371809	0.005012703	LINC01993
ENSG00000174939	2.21765572	2.86E-05	0.000655864	ASPHD1
ENSG00000232931	2.224610607	4.73E-06	0.000159074	LINC00342
ENSG00000230882	2.228535849	0.000243977	0.003579974	AC005077.4
ENSG00000258525	2.230929233	7.63E-05	0.001421467	AL049830.3
ENSG00000117724	2.231204499	4.19E-07	2.25E-05	CENPF
ENSG00000160932	2.231380575	0.000696265	0.008052823	LY6E
ENSG00000101443	2.232627845	1.25E-05	0.000340565	WFDC2
ENSG00000265908	2.233005791	0.000586713	0.007058255	AC024267.5
ENSG00000275713	2.233124187	0.000444059	0.005713769	HIST1H2BH
ENSG00000206762	2.234382966	5.16E-05	0.001045909	RNU6-418P

ENSG00000282221	2.235815729	1.50E-07	9.74E-06	AC119427.1
ENSG00000137809	2.239287155	4.40E-09	5.68E-07	ITGA11
ENSG00000211663	2.239470394	0.000416754	0.005472521	IGLV3-19
ENSG00000157064	2.241954373	0.000156352	0.002517134	NMNAT2
ENSG00000270933	2.243132043	7.65E-06	0.000231281	AC010719.1
ENSG00000259078	2.244423804	0.000568303	0.006912631	PTBP1P
ENSG00000223572	2.245852445	0.000640453	0.007553802	CKMT1A
ENSG00000164626	2.250023907	6.84E-11	1.95E-08	KCNK5
ENSG00000163347	2.257378347	6.51E-10	1.28E-07	CLDN1
ENSG00000186715	2.258517459	6.18E-05	0.001198476	MST1L
ENSG00000176136	2.260060636	0.00088758	0.009680145	MC5R
ENSG00000169258	2.2602979	6.14E-06	0.000196286	GPRIN1
ENSG00000183960	2.26086923	0.000766952	0.008659876	KCNH8
ENSG00000119866	2.261410867	1.12E-08	1.25E-06	BCL11A
ENSG00000145247	2.263053124	3.39E-06	0.000121321	OCIAD2
ENSG00000135549	2.265741105	4.60E-07	2.43E-05	PKIB
ENSG00000267077	2.267045422	0.000477462	0.006047267	AC020663.2
ENSG00000165304	2.270705525	3.94E-06	0.000137778	MELK
ENSG00000149328	2.272940024	8.94E-10	1.55E-07	GLB1L2
ENSG00000237517	2.275304284	9.48E-05	0.001690328	DGCR5
ENSG00000186193	2.276391124	5.74E-11	1.68E-08	SAPCD2
ENSG00000236318	2.279268289	0.0001033	0.001808108	AC019117.2
ENSG00000262943	2.280855403	2.35E-06	9.14E-05	ALOX12P2
ENSG00000254827	2.28390977	6.47E-09	7.86E-07	SLC22A18AS
ENSG0000024526	2.284843771	2.09E-06	8.31E-05	DEPDC1
ENSG00000253187	2.285229737	0.000518178	0.006423053	HOXA10-AS
ENSG00000131188	2.285251584	0.000143998	0.002357805	PRR7
ENSG00000258947	2.288480163	0.000706183	0.008123089	TUBB3
ENSG00000131050	2.291741081	0.000809417	0.009003595	BPIFA2
ENSG00000094804	2.294687688	1.13E-13	7.11E-11	CDC6
ENSG00000179031	2.300791868	3.73E-05	0.000811652	Z73417.1

ENSG00000217801	2.304529699	5.76E-10	1.19E-07	AL390719.1
ENSG00000261804	2.305022023	7.64E-06	0.000231281	AC007342.4
ENSG00000101542	2.305250192	0.000604162	0.007206055	CDH20
ENSG00000103269	2.305278023	7.27E-06	0.000223098	RHBDL1
ENSG00000163755	2.306799709	7.20E-07	3.48E-05	HPS3
ENSG00000165215	2.314146131	0.00058106	0.007020641	CLDN3
ENSG00000236039	2.314182007	2.91E-05	0.00066282	AC019117.1
ENSG00000238290	2.314440593	1.57E-05	0.000405475	AL034417.2
ENSG00000203952	2.314967714	1.65E-06	6.78E-05	CCDC160
ENSG00000198796	2.316080119	0.000240953	0.003553073	ALPK2
ENSG00000170615	2.319369356	7.17E-05	0.001354963	SLC26A5
ENSG00000148848	2.322948063	4.17E-06	0.000144162	ADAM12
ENSG00000088836	2.324803949	0.000104648	0.001826485	SLC4A11
ENSG00000178773	2.326408748	2.43E-06	9.35E-05	CPNE7
ENSG00000171617	2.327134678	2.11E-08	2.01E-06	ENC1
ENSG00000179088	2.329406579	1.55E-06	6.45E-05	C12ORF42
ENSG00000279160	2.336561451	1.59E-07	1.02E-05	AC009336.3
ENSG00000224722	2.337970414	0.000766305	0.008657342	AC020688.1
ENSG00000186212	2.339806169	3.24E-06	0.000117415	SOWAHB
ENSG00000272694	2.340723485	4.36E-06	0.000149582	Z94160.2
ENSG00000251018	2.341036018	2.47E-05	0.000585618	HMMR-AS1
ENSG00000260641	2.342238252	5.00E-05	0.001021883	AC114811.2
ENSG00000064195	2.343281446	6.93E-06	0.000216305	DLX3
ENSG00000117650	2.344688138	1.96E-07	1.21E-05	NEK2
ENSG00000180287	2.34935223	2.23E-05	0.000539696	PLD5
ENSG00000198753	2.350880505	0.000122091	0.002072038	PLXNB3
ENSG00000185156	2.352476561	6.09E-06	0.000195455	MFSD6L
ENSG00000231445	2.353019673	3.86E-05	0.000834165	TIMM8AP1
ENSG00000267123	2.353231312	1.12E-05	0.000312771	LINC02081
ENSG00000240204	2.354035192	0.000173596	0.002731706	SMKR1
ENSG00000170577	2.3572058	1.13E-06	5.03E-05	SIX2

ENSG00000108821	2.361141643	7.94E-07	3.76E-05	COL1A1
ENSG00000277840	2.36497	0.000200905	0.003083985	AC026368.1
ENSG00000159166	2.365088762	7.92E-12	3.16E-09	LAD1
ENSG00000198088	2.367019781	2.55E-10	6.12E-08	NUP62CL
ENSG00000159409	2.368065944	0.000203948	0.003122225	CELF3
ENSG00000171124	2.368249243	1.67E-08	1.71E-06	FUT3
ENSG00000056998	2.368874386	2.66E-07	1.54E-05	GYG2
ENSG00000238273	2.372943906	0.000637266	0.007521994	AC108058.1
ENSG00000207129	2.373089169	0.000241337	0.003554632	RNA5SP187
ENSG00000141449	2.373301807	7.88E-05	0.001460856	GREB1L
ENSG00000126787	2.379015229	4.02E-07	2.18E-05	DLGAP5
ENSG00000251169	2.381720807	0.000477801	0.00604875	LINC01843
ENSG00000254389	2.383514556	4.92E-09	6.26E-07	RHPN1-AS1
ENSG00000249628	2.385064335	0.000612114	0.007275461	LINC00942
ENSG00000230061	2.390581551	0.000724456	0.008274377	TRPM2-AS
ENSG00000143217	2.393037322	5.49E-11	1.62E-08	NECTIN4
ENSG00000272954	2.393798168	4.90E-05	0.001008175	AP000553.1
ENSG00000137571	2.398656355	5.63E-05	0.001115595	SLCO5A1
ENSG00000185332	2.400836656	3.50E-05	0.000771691	TMEM105
ENSG00000270115	2.401282201	0.000253587	0.003689753	AL513327.3
ENSG00000260265	2.403202746	3.74E-06	0.000131262	LINC02562
ENSG00000164647	2.403917469	1.39E-05	0.00036815	STEAP1
ENSG00000253215	2.405891965	0.000414009	0.005445803	AC087273.1
ENSG00000117394	2.406301209	1.11E-09	1.87E-07	SLC2A1
ENSG00000188322	2.406369548	2.04E-11	7.02E-09	SBK1
ENSG00000142273	2.412473867	1.30E-07	8.71E-06	CBLC
ENSG00000137142	2.418865025	0.000135698	0.002255582	IGFBPL1
ENSG00000227857	2.420084791	0.000649823	0.007632066	AL358075.2
ENSG00000203635	2.420507151	0.000730383	0.008335869	AC144450.1
ENSG00000091482	2.426750742	0.000720756	0.008241315	SMPX
ENSG00000100558	2.439478397	2.62E-06	9.91E-05	PLEK2

ENSG00000105696	2.446531243	6.47E-05	0.001242292	TMEM59L
ENSG00000125462	2.451282615	0.000691577	0.008015141	C1ORF61
ENSG00000250286	2.454384715	5.23E-06	0.000171709	AC021491.2
ENSG00000064787	2.456855863	0.000168346	0.002665488	BCAS1
ENSG00000106236	2.458227231	0.000552937	0.006765927	NPTX2
ENSG00000101057	2.460340492	1.03E-07	7.26E-06	MYBL2
ENSG00000259038	2.468933526	2.35E-06	9.14E-05	AL121820.2
ENSG00000187642	2.471479804	0.000112257	0.001932931	PERM1
ENSG00000158089	2.477925139	8.37E-06	0.000248169	GALNT14
ENSG00000227356	2.47957752	0.000148737	0.002429517	LINC00866
ENSG00000100346	2.481677522	0.000119472	0.002035464	CACNA1I
ENSG00000272825	2.482254773	0.000119012	0.002029885	AL844908.1
ENSG00000254670	2.489775255	0.000149458	0.002435508	AC084859.1
ENSG00000240541	2.491950314	5.34E-05	0.001069553	TM4SF1-AS1
ENSG00000186684	2.492149128	0.000227176	0.003395347	CYP27C1
ENSG00000228561	2.494526876	1.89E-05	0.000475566	AC026355.1
ENSG00000101311	2.501993701	4.10E-09	5.43E-07	FERMT1
ENSG00000169302	2.506297961	4.37E-14	2.98E-11	STK32A
ENSG00000174938	2.510189234	9.63E-08	6.94E-06	SEZ6L2
ENSG00000009765	2.512060152	8.71E-09	1.01E-06	IYD
ENSG00000103888	2.512551509	3.36E-05	0.000747342	CEMIP
ENSG00000132677	2.512844989	0.000196854	0.003036997	RHBG
ENSG00000268120	2.518379499	4.66E-08	3.84E-06	AC010336.3
ENSG00000231748	2.518920688	3.00E-07	1.70E-05	AL596223.2
ENSG00000188306	2.51994676	9.38E-05	0.00167778	LRRIQ4
ENSG00000205213	2.521696368	8.76E-08	6.42E-06	LGR4
ENSG00000257883	2.52225141	0.000467531	0.005955877	AC125603.2
ENSG00000196188	2.523192913	0.000225343	0.00337805	CTSE
ENSG00000279741	2.527867614	0.000406096	0.00536701	AC007342.8
ENSG00000176887	2.529436337	0.000629467	0.007447114	SOX11
ENSG00000239975	2.538122767	0.000696402	0.008052823	IGKV1D-33

ENSG00000019186	2.540289751	4.28E-05	0.000902075	CYP24A1
ENSG00000029559	2.54478724	0.000485742	0.006116806	IBSP
ENSG00000128040	2.545218563	9.15E-05	0.001644881	SPINK2
ENSG00000174123	2.547695872	2.12E-05	0.000521196	TLR10
ENSG00000188158	2.550193518	1.56E-10	3.89E-08	NHS
ENSG00000104140	2.55107221	0.000877372	0.00957902	RHOV
ENSG00000183856	2.551619205	1.30E-07	8.70E-06	IQGAP3
ENSG00000135697	2.557996567	1.98E-08	1.93E-06	BCO1
ENSG00000134258	2.561933286	0.000531834	0.006562638	VTCN1
ENSG00000215018	2.562633483	9.59E-06	0.000276262	COL28A1
ENSG00000211595	2.564050289	0.000756554	0.008577169	IGKJ3
ENSG00000103089	2.571996097	2.70E-09	3.86E-07	FA2H
ENSG00000108602	2.584362359	0.00046579	0.005938632	ALDH3A1
ENSG00000092607	2.585679824	0.000233514	0.003475089	TBX15
ENSG00000267750	2.589024673	7.42E-06	0.000226707	RUNDC3A-AS1
ENSG00000185275	2.591502009	0.000108855	0.001887047	CD24P4
ENSG00000245526	2.592755509	0.000148774	0.002429517	LINC00461
ENSG00000233589	2.593419789	0.000751744	0.008541559	AL138789.1
ENSG00000132821	2.594744812	0.000100137	0.001762792	VSTM2L
ENSG00000233077	2.598008117	1.24E-06	5.40E-05	LINC01271
ENSG00000172061	2.602575254	2.20E-05	0.000534528	LRRC15
ENSG00000273983	2.606027895	0.000627868	0.007433926	HIST1H3G
ENSG00000234602	2.610576878	8.66E-05	0.001567352	MCIDAS
ENSG00000091844	2.610581724	3.34E-08	2.90E-06	RGS17
ENSG00000262585	2.613494984	0.000131932	0.002207323	LINC01979
ENSG00000088340	2.615016552	1.04E-06	4.72E-05	FER1L4
ENSG00000255301	2.615042881	1.38E-05	0.000366994	AP002893.1
ENSG00000272398	2.615484414	1.94E-14	1.65E-11	CD24
ENSG00000141934	2.620100257	5.26E-07	2.70E-05	PLPP2
ENSG00000122966	2.620834444	9.17E-06	0.000266218	CIT
ENSG00000156510	2.622110207	6.81E-11	1.95E-08	HKDC1

ENSG0000070526	2.629288096	4.80E-17	5.67E-14	ST6GALNAC1
ENSG0000090889	2.631878431	1.70E-09	2.70E-07	KIF4A
ENSG00000238042	2.632755259	0.000349235	0.004780141	LINC02257
ENSG00000130513	2.639364501	9.84E-08	7.06E-06	GDF15
ENSG00000158315	2.644317111	2.64E-11	8.61E-09	RHBDL2
ENSG00000223956	2.651553441	8.10E-05	0.001487235	LINC01767
ENSG0000062038	2.657903463	6.97E-09	8.36E-07	CDH3
ENSG00000135052	2.658384768	2.29E-14	1.78E-11	GOLM1
ENSG00000131747	2.659744471	1.08E-08	1.22E-06	TOP2A
ENSG00000162383	2.666287802	1.71E-07	1.08E-05	SLC1A7
ENSG00000179869	2.672392975	2.82E-05	0.000650905	ABCA13
ENSG00000166391	2.677288511	0.000744624	0.008476347	MOGAT2
ENSG00000231764	2.677912926	0.000547231	0.006711559	DLX6-AS1
ENSG00000137270	2.678855024	9.55E-05	0.001701296	GCM1
ENSG00000145451	2.680960992	8.55E-05	0.001555265	GLRA3
ENSG00000115297	2.68640792	0.000432695	0.005619367	TLX2
ENSG00000169903	2.694320974	0.0004871	0.006128882	TM4SF4
ENSG00000187715	2.695879738	5.25E-05	0.001059709	KBTBD12
ENSG00000229267	2.696390021	1.57E-05	0.000406102	AC016708.1
ENSG00000255692	2.698103059	0.000184532	0.00288312	AC002563.1
ENSG00000164418	2.710885148	4.97E-05	0.001016999	GRIK2
ENSG00000101115	2.713810088	1.65E-07	1.05E-05	SALL4
ENSG00000115009	2.715717993	0.000173925	0.002735486	CCL20
ENSG00000105929	2.720557592	0.00033314	0.004604059	ATP6V0A4
ENSG00000249574	2.7212807	0.000121138	0.002059505	AC226118.1
ENSG00000186907	2.721295915	1.36E-07	9.01E-06	RTN4RL2
ENSG00000187583	2.722364594	7.09E-09	8.44E-07	PLEKHN1
ENSG00000138316	2.731395075	1.87E-07	1.17E-05	ADAMTS14
ENSG00000144354	2.732846437	9.63E-09	1.10E-06	CDCA7
ENSG00000177455	2.736134554	5.66E-07	2.87E-05	CD19
ENSG00000166670	2.736135241	0.000232573	0.003464449	MMP10

ENSG00000241359	2.739054323	1.55E-07	9.97E-06	SYNPR-AS1
ENSG00000182272	2.741505593	0.000237737	0.003515789	B4GALNT4
ENSG00000129173	2.742238037	7.12E-07	3.47E-05	E2F8
ENSG00000011426	2.746212523	1.17E-09	1.97E-07	ANLN
ENSG00000205488	2.746709736	0.000556102	0.006799242	CALML3-AS1
ENSG00000284621	2.750430915	6.08E-05	0.001182355	AP000553.3
ENSG00000198515	2.750589975	9.93E-05	0.001751729	CNGA1
ENSG00000077935	2.754438225	0.000250678	0.003657823	SMC1B
ENSG00000237152	2.756611453	5.16E-05	0.001046078	DLEU7-AS1
ENSG00000272808	2.756747992	2.18E-05	0.000530276	AC015712.6
ENSG00000237463	2.756975928	2.07E-06	8.25E-05	AL157714.2
ENSG00000184156	2.761615786	7.77E-11	2.13E-08	KCNQ3
ENSG00000004848	2.767501377	6.00E-05	0.001167857	ARX
ENSG00000262636	2.769410303	0.000516339	0.006407488	AC099489.2
ENSG00000196711	2.769973645	2.75E-06	0.000102177	ALKAL1
ENSG00000100373	2.77613774	0.000149993	0.002441036	UPK3A
ENSG00000262772	2.776588867	2.35E-06	9.14E-05	LINC01977
ENSG00000114631	2.78599952	6.38E-05	0.001229674	PODXL2
ENSG00000137440	2.793781355	0.000529176	0.006537724	FGFBP1
ENSG00000225473	2.794250367	8.51E-05	0.001549011	ATP13A4-AS1
ENSG00000254726	2.797230532	1.32E-08	1.42E-06	MEX3A
ENSG00000175063	2.798874083	1.44E-07	9.41E-06	UBE2C
ENSG00000155886	2.805142547	5.74E-05	0.00113016	SLC24A2
ENSG00000211593	2.805331339	0.000565069	0.006878332	IGKJ5
ENSG00000100625	2.806160396	9.41E-21	4.82E-17	SIX4
ENSG00000035499	2.806435006	8.27E-10	1.48E-07	DEPDC1B
ENSG00000203799	2.810627002	4.00E-06	0.000139159	CCDC162P
ENSG00000165606	2.814298593	0.000719723	0.008235632	DRGX
ENSG00000106541	2.818407459	1.40E-10	3.52E-08	AGR2
ENSG00000231013	2.822393889	3.55E-05	0.000780406	AC013275.1
ENSG00000137673	2.835357114	1.10E-06	4.89E-05	MMP7

ENSG00000131746	2.838705281	1.43E-06	6.05E-05	TNS4
ENSG00000172782	2.853539244	0.000103656	0.001812277	FADS6
ENSG00000163082	2.856845656	5.03E-10	1.07E-07	SGPP2
ENSG00000172828	2.856966767	1.38E-07	9.09E-06	CES3
ENSG00000259153	2.861502958	1.32E-09	2.17E-07	AC004816.1
ENSG00000006047	2.870639953	2.34E-07	1.39E-05	YBX2
ENSG00000201944	2.871500505	0.000605685	0.007215803	SNORA72
ENSG00000099937	2.872804268	1.15E-05	0.00032181	SERPIND1
ENSG00000144119	2.873145012	0.000388467	0.005194396	C1QL2
ENSG00000124882	2.873706493	0.000832401	0.009186209	EREG
ENSG00000258760	2.874815398	8.99E-06	0.000262273	AL355076.2
ENSG00000177459	2.885271718	0.000173495	0.002731531	ERICH5
ENSG00000147697	2.886699401	1.21E-08	1.33E-06	GSDMC
ENSG00000206549	2.888436934	0.000102823	0.001801528	PRSS50
ENSG00000173898	2.895327042	4.46E-19	1.14E-15	SPTBN2
ENSG00000205667	2.896526315	0.000485319	0.006116492	ARSH
ENSG00000235023	2.898007317	0.000133484	0.00222844	AP001626.1
ENSG00000167580	2.901998299	0.000475116	0.006022514	AQP2
ENSG00000132744	2.903297869	2.55E-06	9.71E-05	ACY3
ENSG00000171631	2.904500238	3.61E-06	0.000127659	P2RY6
ENSG00000175352	2.907746361	1.19E-08	1.31E-06	NRIP3
ENSG00000182489	2.92496191	9.25E-11	2.43E-08	XKRX
ENSG00000196353	2.931198832	4.46E-05	0.00093417	CPNE4
ENSG00000259345	2.936724933	4.87E-06	0.000162583	AC013652.1
ENSG00000169436	2.944487794	2.48E-06	9.48E-05	COL22A1
ENSG00000255518	2.949262205	4.18E-05	0.000888376	AC022239.3
ENSG00000160307	2.955249783	9.69E-06	0.000278217	S100B
ENSG00000206532	2.964342166	0.000197647	0.003045315	AC117402.1
ENSG00000012223	2.970962029	6.87E-06	0.000214829	LTF
ENSG00000235304	2.975083197	0.000121436	0.002063204	LINC01281
ENSG00000117983	2.978091037	3.90E-05	0.000839679	MUC5B

ENSG00000205334	2.979946825	0.000909384	0.009844502	LINC01460
ENSG0000043039	3.008385968	1.55E-09	2.49E-07	BARX2
ENSG00000108846	3.014751954	6.89E-20	2.35E-16	ABCC3
ENSG00000107159	3.018845196	1.49E-05	0.000389987	CA9
ENSG00000132185	3.020483562	2.78E-07	1.59E-05	FCRLA
ENSG00000250133	3.022196283	0.000270294	0.00388861	HOXC-AS2
ENSG00000189108	3.028391676	0.000708644	0.008142245	IL1RAPL2
ENSG00000242715	3.031223202	1.28E-07	8.61E-06	CCDC169
ENSG00000231439	3.03180912	3.31E-08	2.90E-06	WASIR2
ENSG00000153294	3.033370408	4.98E-05	0.001017674	ADGRF4
ENSG00000105219	3.034780605	0.000117264	0.002005966	CNTD2
ENSG00000234572	3.043515299	0.000191904	0.002974073	LINC01800
ENSG00000128438	3.048872052	5.35E-06	0.000175132	TBC1D27P
ENSG00000087085	3.050239835	2.64E-08	2.41E-06	ACHE
ENSG00000143552	3.057032536	7.56E-08	5.70E-06	NUP210L
ENSG00000197520	3.066035409	4.53E-07	2.40E-05	FAM177B
ENSG00000166123	3.067450674	2.31E-14	1.78E-11	GPT2
ENSG00000137203	3.072297544	1.75E-11	6.46E-09	TFAP2A
ENSG00000147889	3.074690567	1.44E-07	9.42E-06	CDKN2A
ENSG00000159212	3.084615406	8.15E-18	1.39E-14	CLIC6
ENSG00000248243	3.086116815	2.05E-10	5.00E-08	LINC02014
ENSG00000263680	3.092172131	7.29E-07	3.50E-05	AC007639.1
ENSG00000180745	3.096448255	0.000438556	0.005669099	CLRN3
ENSG00000159958	3.097388261	3.20E-07	1.79E-05	TNFRSF13C
ENSG00000130234	3.103318414	1.13E-06	5.03E-05	ACE2
ENSG00000136573	3.105261506	5.85E-07	2.95E-05	BLK
ENSG00000230699	3.106288668	0.000177369	0.002782527	AL645608.3
ENSG00000116014	3.113346366	0.000188301	0.002931553	KISS1R
ENSG00000255404	3.118197472	4.11E-08	3.48E-06	AP001266.1
ENSG00000166104	3.125970074	2.79E-05	0.000647243	AC126323.1
ENSG00000234184	3.132975195	2.68E-05	0.000624086	LINC01781

ENSG00000180532	3.133420874	0.000400193	0.00530727	ZSCAN4
ENSG00000163518	3.133544698	0.000271592	0.003905455	FCRL4
ENSG00000143469	3.134122648	0.000327825	0.004545871	SYT14
ENSG00000108176	3.134528174	3.25E-07	1.81E-05	DNAJC12
ENSG00000188263	3.13735505	0.000107547	0.00186754	IL17REL
ENSG00000229953	3.138978534	2.35E-05	0.000563729	AL590666.2
ENSG00000109255	3.141297234	0.000194283	0.003006396	NMU
ENSG00000160161	3.14889454	7.07E-10	1.36E-07	CILP2
ENSG00000258952	3.151508247	0.000402402	0.005327355	SALRNA1
ENSG00000086159	3.152270677	3.48E-06	0.000123767	AQP6
ENSG00000241388	3.153772624	3.52E-06	0.000125185	HNF1A-AS1
ENSG00000188095	3.156222657	1.08E-07	7.51E-06	MESP2
ENSG00000065618	3.157099435	5.69E-07	2.88E-05	COL17A1
ENSG00000156738	3.159139096	2.52E-06	9.62E-05	MS4A1
ENSG00000173432	3.160338958	7.06E-05	0.00133683	SAA1
ENSG00000245750	3.162972985	1.32E-09	2.17E-07	DRAIC
ENSG00000267257	3.167173517	0.000150334	0.002443297	AC105105.1
ENSG00000223783	3.176865905	0.000437372	0.005659819	LINC01983
ENSG00000115598	3.178541065	3.99E-17	4.90E-14	IL1RL2
ENSG00000167767	3.181447377	1.50E-09	2.43E-07	KRT80
ENSG00000235142	3.185572184	9.16E-06	0.000266218	LINC02532
ENSG00000253217	3.187816016	6.75E-05	0.001291297	AP001574.1
ENSG00000263585	3.1886423	4.02E-10	8.93E-08	AC145207.4
ENSG00000232298	3.190593207	0.000353121	0.004822583	AL138902.1
ENSG00000153292	3.192080875	7.54E-10	1.39E-07	ADGRF1
ENSG00000250033	3.193701018	2.08E-06	8.29E-05	SLC7A11-AS1
ENSG00000173702	3.205964839	0.000450166	0.005775409	MUC13
ENSG00000066248	3.229957159	6.70E-07	3.31E-05	NGEF
ENSG00000174607	3.231186402	7.33E-10	1.38E-07	UGT8
ENSG00000233680	3.232780135	1.96E-08	1.93E-06	HNRNPA1P27
ENSG00000047457	3.259187252	3.67E-09	4.94E-07	CP

ENSG00000214914	3.277359522	0.000432209	0.005615419	RPL23AP3
ENSG00000164932	3.279461548	2.16E-12	9.75E-10	CTHRC1
ENSG00000225489	3.284978645	2.98E-08	2.66E-06	AL354707.1
ENSG00000102109	3.286090409	0.000190626	0.002958754	PCSK1N
ENSG00000171722	3.289901015	5.14E-05	0.001044604	SPATA46
ENSG00000171246	3.298645925	4.20E-07	2.25E-05	NPTX1
ENSG00000248405	3.300362793	1.39E-05	0.000369842	PRR5-ARHGAP
ENSG00000218274	3.306433215	3.29E-05	0.000734004	AL121949.2
ENSG00000251151	3.306850641	0.000907151	0.009830719	HOXC-AS3
ENSG00000275395	3.310526892	7.35E-05	0.001377659	FCGBP
ENSG00000079112	3.315992894	1.56E-06	6.48E-05	CDH17
ENSG00000269855	3.319709433	1.82E-05	0.000458838	RNF225
ENSG00000257443	3.325853619	0.00017301	0.002726687	AC068305.3
ENSG00000128165	3.339286972	1.92E-17	2.56E-14	ADM2
ENSG00000272729	3.34015945	1.84E-05	0.000465019	AC009336.1
ENSG00000225742	3.34060166	9.05E-07	4.19E-05	LINC02036
ENSG00000204949	3.344264386	2.88E-05	0.000657997	FAM83A-AS1
ENSG00000253741	3.344605842	1.10E-06	4.89E-05	AC108002.1
ENSG00000248771	3.350617735	5.61E-10	1.16E-07	SMIM31
ENSG00000183010	3.351327336	1.08E-17	1.67E-14	PYCR1
ENSG00000165973	3.353320145	1.53E-07	9.83E-06	NELL1
ENSG00000160886	3.372843177	4.38E-06	0.000149915	LY6K
ENSG00000162849	3.396693716	2.05E-07	1.26E-05	KIF26B
ENSG00000137868	3.423578784	1.24E-08	1.35E-06	STRA6
ENSG00000126778	3.424853929	2.46E-12	1.09E-09	SIX1
ENSG00000218048	3.432917185	3.11E-07	1.75E-05	AL121949.1
ENSG00000085552	3.449636969	9.41E-15	8.76E-12	IGSF9
ENSG00000259457	3.449744223	2.78E-06	0.000103184	AC100826.1
ENSG00000115507	3.456148214	6.01E-11	1.74E-08	OTX1
ENSG00000128610	3.462122519	9.21E-06	0.000266867	FEZF1
ENSG00000235026	3.46277248	9.42E-08	6.82E-06	DPP10-AS1

ENSG0000049283	3.470822972	1.65E-12	7.81E-10	EPN3
ENSG00000147003	3.471052644	2.69E-07	1.55E-05	TMEM27
ENSG00000202415	3.477517659	0.000254009	0.003694146	RN7SKP269
ENSG00000165376	3.479104688	2.49E-05	0.000588771	CLDN2
ENSG00000123201	3.480242999	1.86E-07	1.17E-05	GUCY1B2
ENSG00000176920	3.484760027	1.52E-17	2.12E-14	FUT2
ENSG00000069011	3.486197244	8.31E-08	6.15E-06	PITX1
ENSG00000255545	3.501993851	6.63E-08	5.19E-06	AP004608.1
ENSG00000166143	3.504188205	5.30E-05	0.001064567	PPP1R14D
ENSG00000234155	3.507848364	8.95E-06	0.000262054	LINC02535
ENSG00000171877	3.508602712	3.42E-11	1.07E-08	FRMD5
ENSG00000115850	3.512724793	1.38E-06	5.85E-05	LCT
ENSG00000233217	3.517865707	1.07E-05	0.000300721	MROH3P
ENSG00000196092	3.521860095	3.47E-08	2.99E-06	PAX5
ENSG00000100253	3.52218057	2.27E-06	8.92E-05	MIOX
ENSG00000172818	3.523156686	3.83E-13	1.96E-10	OVOL1
ENSG00000264175	3.526875359	9.46E-05	0.00168895	MIR3189
ENSG00000105664	3.530879884	6.79E-10	1.33E-07	COMP
ENSG00000124602	3.539614695	5.11E-13	2.57E-10	UNC5CL
ENSG00000114455	3.541557038	2.89E-05	0.00065974	HHLA2
ENSG00000234800	3.548581729	0.000353519	0.004825878	PCMTD1P3
ENSG00000029993	3.581866512	6.50E-08	5.10E-06	HMGB3
ENSG00000272405	3.582043259	4.43E-07	2.35E-05	AL365181.3
ENSG00000197085	3.585402211	0.000602252	0.007194448	NPSR1-AS1
ENSG00000145824	3.585713188	4.63E-12	1.98E-09	CXCL14
ENSG00000060718	3.587159464	3.09E-08	2.74E-06	COL11A1
ENSG00000155066	3.599640121	1.05E-21	1.14E-17	PROM2
ENSG00000265055	3.601499556	4.20E-08	3.53E-06	AC145343.1
ENSG00000160862	3.617083799	2.00E-07	1.23E-05	AZGP1
ENSG00000253593	3.62021184	0.000814647	0.009042108	AC110741.1
ENSG00000173237	3.624220168	0.000894098	0.009733936	C11ORF86

ENSG00000113249	3.624439814	5.24E-05	0.001059709	HAVCR1
ENSG00000170044	3.633454857	8.06E-05	0.001481734	ZPLD1
ENSG00000251003	3.639335546	1.24E-06	5.40E-05	ZFPM2-AS1
ENSG00000248347	3.644298172	0.000606632	0.007221481	AC120036.2
ENSG00000080031	3.644697285	6.69E-08	5.23E-06	PTPRH
ENSG00000178919	3.665278084	7.12E-05	0.001346337	FOX E1
ENSG00000253417	3.665628726	0.000335319	0.00463096	LINC02159
ENSG00000231106	3.671740683	1.38E-08	1.46E-06	LINC01436
ENSG00000186832	3.672486275	0.00029848	0.00421506	KRT16
ENSG00000164651	3.677934598	3.27E-05	0.000732503	SP8
ENSG00000282408	3.679006454	0.000640316	0.007553802	AL109920.1
ENSG00000234965	3.68320464	2.99E-06	0.000109916	SHISA8
ENSG00000235836	3.687206525	0.000563234	0.006864572	KIF3AP1
ENSG00000272620	3.703823166	1.16E-14	1.02E-11	AFAP1-AS1
ENSG00000007306	3.723249274	9.75E-06	0.000279264	CEACAM7
ENSG00000268307	3.724153707	1.65E-05	0.000424435	LINC02560
ENSG00000164778	3.730184229	8.67E-10	1.54E-07	EN2
ENSG00000255345	3.730387685	7.54E-05	0.001408022	AP002957.1
ENSG00000234380	3.738275031	2.04E-14	1.69E-11	LINC01426
ENSG00000114248	3.744753423	1.02E-10	2.63E-08	LRRC31
ENSG00000124664	3.746038525	2.10E-13	1.24E-10	SPDEF
ENSG00000281406	3.749605494	7.08E-12	2.87E-09	BLACAT1
ENSG00000111344	3.749861298	5.96E-18	1.08E-14	RASAL1
ENSG00000196611	3.75728391	3.28E-10	7.57E-08	MMP1
ENSG00000156413	3.759203843	1.04E-08	1.17E-06	FUT6
ENSG00000146166	3.791757318	1.67E-06	6.88E-05	LGSN
ENSG00000197587	3.794946335	9.70E-05	0.001719065	DMBX1
ENSG00000260328	3.800106357	4.13E-08	3.48E-06	AC104024.2
ENSG00000175832	3.807909759	1.74E-12	8.08E-10	ETV4
ENSG00000269097	3.809735207	2.17E-05	0.000529681	TPRG1LP1
ENSG00000137825	3.822840144	1.65E-07	1.05E-05	ITPKA

ENSG00000244086	3.832155596	0.000688523	0.00798879	RPS20P35
ENSG00000272068	3.833826599	5.28E-07	2.71E-05	AL365181.2
ENSG00000236064	3.833856303	0.000906345	0.009825455	AL034399.2
ENSG00000253973	3.84432913	0.000477974	0.00604875	AC079296.1
ENSG00000236212	3.847925306	0.000456323	0.005837317	AC009262.1
ENSG00000214822	3.849119017	9.46E-08	6.84E-06	KRT16P3
ENSG00000273443	3.854493179	2.11E-05	0.000520245	AL645608.9
ENSG00000229618	3.859607339	8.48E-05	0.001546897	AC011287.1
ENSG00000227036	3.860858859	2.09E-16	2.38E-13	LINC00511
ENSG00000134398	3.863296271	2.52E-07	1.47E-05	ERN2
ENSG00000253339	3.873478847	0.000585243	0.007051104	AC111149.2
ENSG00000163218	3.881289187	1.18E-07	8.13E-06	PGLYRP4
ENSG00000164093	3.884730732	0.000536313	0.006609934	PITX2
ENSG00000127129	3.890909403	1.71E-05	0.000436937	EDN2
ENSG00000259104	3.892109281	1.32E-06	5.66E-05	PTCSC3
ENSG00000261104	3.892145322	4.65E-06	0.000157056	AC093904.4
ENSG00000198691	3.90222615	3.49E-15	3.57E-12	ABCA4
ENSG00000130675	3.908226634	7.42E-10	1.38E-07	MNX1
ENSG00000130540	3.909532859	9.14E-05	0.001644197	SULT4A1
ENSG00000279427	3.930613921	2.41E-09	3.60E-07	AC007490.1
ENSG00000188761	3.945183072	3.31E-17	4.23E-14	BCL2L15
ENSG00000214842	3.946128044	6.94E-06	0.000216325	RAD51AP2
ENSG00000170369	3.952332794	3.69E-09	4.95E-07	CST2
ENSG00000268949	3.96157175	0.000440917	0.00569003	MRPS17P1
ENSG00000225680	3.963429606	0.00015376	0.002483229	AL163953.1
ENSG00000204866	3.979764538	4.77E-07	2.51E-05	IGFL2
ENSG00000255177	3.989808319	6.83E-05	0.001303349	AC061979.1
ENSG00000106278	3.992344574	9.94E-08	7.11E-06	PTPRZ1
ENSG00000002726	3.99606732	1.40E-08	1.47E-06	AOC1
ENSG00000183317	3.997215394	3.05E-13	1.61E-10	EPHA10
ENSG00000205116	3.997918493	2.90E-09	4.08E-07	TMEM88B

ENSG00000249746	4.001453058	2.19E-05	0.000532498	AC099509.1
ENSG00000184368	4.009711048	2.01E-10	4.94E-08	MAP7D2
ENSG00000204876	4.014378328	1.18E-06	5.19E-05	AC021218.1
ENSG00000116031	4.025650245	1.81E-11	6.60E-09	CD207
ENSG00000283906	4.049132707	8.58E-05	0.001558979	IGHV4-80
ENSG00000228437	4.054875822	4.33E-05	0.000910942	LINC02474
ENSG00000257924	4.06376139	4.67E-08	3.84E-06	LINC02416
ENSG00000103460	4.065762042	2.24E-19	6.89E-16	TOX3
ENSG00000156234	4.074834604	7.16E-07	3.47E-05	CXCL13
ENSG00000232843	4.07724245	0.000623552	0.007388522	SNX18P2
ENSG00000170608	4.087144	6.98E-11	1.96E-08	FOXA3
ENSG00000139973	4.097443637	5.02E-08	4.08E-06	SYT16
ENSG00000149968	4.099530907	1.65E-08	1.70E-06	MMP3
ENSG00000198125	4.107989797	1.66E-07	1.05E-05	MB
ENSG00000204379	4.116484191	0.00038882	0.005196847	XAGE1A
ENSG00000124143	4.117929364	6.16E-10	1.25E-07	ARHGAP40
ENSG00000178401	4.11905849	3.61E-20	1.58E-16	DNAJC22
ENSG00000204455	4.119297054	1.01E-05	0.000288484	TRIM51BP
ENSG00000158477	4.11977151	5.52E-09	6.92E-07	CD1A
ENSG00000164749	4.127141984	3.56E-09	4.83E-07	HNF4G
ENSG00000169562	4.151112526	2.60E-13	1.45E-10	GJB1
ENSG00000146013	4.206988943	2.42E-11	8.08E-09	GFRA3
ENSG00000258878	4.209770905	2.51E-06	9.57E-05	AL355076.3
ENSG00000253258	4.248545876	3.46E-06	0.000123201	AC068228.2
ENSG00000235350	4.271977824	0.000310457	0.004350228	AL606490.8
ENSG00000196542	4.312723121	3.31E-09	4.54E-07	SPTSSB
ENSG00000170927	4.315788797	2.04E-08	1.98E-06	PKHD1
ENSG00000181617	4.317335863	4.01E-07	2.18E-05	FDCSP
ENSG00000101842	4.318694651	1.03E-06	4.69E-05	VSIG1
ENSG00000267073	4.322207212	0.000691132	0.008013005	AC005256.1
ENSG00000248474	4.336150552	5.72E-05	0.001128566	LINC02122

ENSG00000240086	4.35263767	1.91E-05	0.000480045	AC128689.1
ENSG00000165474	4.363132671	9.27E-19	2.03E-15	GJB2
ENSG00000165548	4.366469998	3.01E-10	7.01E-08	TMEM63C
ENSG00000186007	4.366741404	7.10E-12	2.87E-09	LEMD1
ENSG00000136881	4.37339271	3.71E-07	2.03E-05	BAAT
ENSG00000163207	4.391922577	3.44E-06	0.000122966	IVL
ENSG00000278912	4.406563292	5.88E-05	0.001150482	AC008870.5
ENSG00000250343	4.414727309	2.93E-09	4.11E-07	STK32A-AS1
ENSG00000255282	4.446497508	4.11E-08	3.48E-06	WTAPP1
ENSG00000177414	4.447889182	2.57E-05	0.000603918	UBE2U
ENSG00000137745	4.45206308	1.08E-06	4.85E-05	MMP13
ENSG00000179066	4.452468888	1.28E-06	5.53E-05	AC020907.1
ENSG00000243885	4.459075886	1.04E-05	0.000295366	AC108751.4
ENSG00000243479	4.467075944	1.60E-08	1.66E-06	MNX1-AS1
ENSG00000158125	4.484205987	3.26E-21	2.00E-17	XDH
ENSG00000260877	4.48722546	6.48E-05	0.001244089	AP005233.2
ENSG00000117322	4.495411664	3.79E-09	5.06E-07	CR2
ENSG00000172927	4.533845433	8.00E-10	1.44E-07	MYEOV
ENSG00000263893	4.53626064	2.13E-08	2.03E-06	AC080037.1
ENSG00000230650	4.552789475	2.71E-13	1.48E-10	AC140479.2
ENSG00000174015	4.585766966	0.000100903	0.001773229	SPERT
ENSG00000270460	4.607010556	0.000514847	0.006391553	AC106900.2
ENSG00000233532	4.616396994	2.76E-08	2.50E-06	LINC00460
ENSG00000223392	4.637274698	3.35E-06	0.000120454	CLDN10-AS1
ENSG00000237978	4.648802168	4.84E-06	0.000162299	KCNMB2-AS1
ENSG00000125571	4.682266794	4.57E-10	9.80E-08	IL37
ENSG00000169894	4.691200827	3.48E-18	6.68E-15	MUC3A
ENSG00000229312	4.706414303	0.000236758	0.003508068	AL353693.1
ENSG00000237643	4.714682916	3.89E-10	8.71E-08	AL365226.2
ENSG00000226668	4.714843037	2.72E-06	0.000101639	AL136981.1
ENSG00000179913	4.777195237	6.11E-13	3.03E-10	B3GNT3

ENSG00000235721	4.782623855	5.70E-08	4.56E-06	AC013268.3
ENSG00000249641	4.785224763	7.08E-05	0.001338895	HOXC13-AS
ENSG00000261584	4.792124008	8.95E-07	4.16E-05	AL513548.1
ENSG00000230316	4.818366444	4.15E-10	9.10E-08	FEZF1-AS1
ENSG00000228630	4.910562129	5.76E-08	4.59E-06	HOTAIR
ENSG00000197893	4.917636029	5.29E-15	5.07E-12	NRAP
ENSG00000112494	4.923195959	1.68E-05	0.000429542	UNC93A
ENSG00000265579	4.925767524	2.91E-05	0.00066282	AC023301.1
ENSG00000171004	4.925835882	2.29E-21	1.76E-17	HS6ST2
ENSG00000189325	4.930067097	8.07E-10	1.45E-07	C6ORF222
ENSG00000123388	4.932381745	1.96E-07	1.21E-05	HOXC11
ENSG00000283283	4.948303431	1.26E-07	8.52E-06	AC013268.4
ENSG00000278399	4.985805949	2.41E-08	2.24E-06	AC026120.1
ENSG00000253666	5.00259202	0.000115648	0.001982413	AP000424.1
ENSG00000262406	5.005739785	2.23E-11	7.62E-09	MMP12
ENSG00000121742	5.00710462	1.05E-07	7.33E-06	GJB6
ENSG00000138271	5.015988513	7.20E-08	5.54E-06	GPR87
ENSG00000233539	5.022702818	8.26E-07	3.89E-05	AC011294.1
ENSG00000164266	5.027321417	2.81E-09	3.97E-07	SPINK1
ENSG00000198535	5.043915175	2.24E-14	1.78E-11	C2CD4A
ENSG00000274993	5.046033391	5.54E-20	2.13E-16	AC254629.1
ENSG00000143320	5.066288111	2.44E-13	1.39E-10	CRABP2
ENSG00000189127	5.073039379	1.36E-08	1.45E-06	ANKRD34B
ENSG00000101210	5.079801864	2.72E-09	3.86E-07	EEF1A2
ENSG00000283167	5.088863132	6.18E-06	0.00019733	AC140479.7
ENSG00000123500	5.129871667	3.97E-19	1.11E-15	COL10A1
ENSG00000230328	5.149597769	3.31E-06	0.000119083	AL359893.1
ENSG00000144452	5.210724202	3.60E-14	2.57E-11	ABCA12
ENSG00000118322	5.238290458	1.15E-14	1.02E-11	ATP10B
ENSG00000154975	5.261331045	5.90E-09	7.28E-07	CA10
ENSG00000137968	5.276771847	4.23E-11	1.29E-08	SLC44A5

ENSG00000227300	5.295110034	7.64E-10	1.39E-07	KRT16P2
ENSG00000231892	5.301471044	6.77E-07	3.34E-05	AC073316.2
ENSG00000198183	5.321982225	4.09E-07	2.21E-05	BPIFA1
ENSG00000172461	5.322889271	0.000558038	0.006812527	FUT9
ENSG00000198488	5.377371474	7.04E-11	1.96E-08	B3GNT6
ENSG00000164458	5.386327247	5.05E-05	0.001030256	T
ENSG00000180347	5.404237521	1.27E-13	7.62E-11	CCDC129
ENSG00000036828	5.4315725	2.53E-09	3.72E-07	CASR
ENSG00000184697	5.468321387	5.59E-09	6.94E-07	CLDN6
ENSG00000118785	5.490202555	1.25E-17	1.83E-14	SPP1
ENSG00000254558	5.516752971	5.22E-09	6.57E-07	AP005435.1
ENSG00000184486	5.560998626	2.09E-06	8.30E-05	POU3F2
ENSG00000137648	5.569304257	7.38E-23	2.27E-18	TMPRSS4
ENSG00000164485	5.608120779	3.09E-09	4.29E-07	IL22RA2
ENSG00000100557	5.640295628	1.24E-05	0.000338768	CCDC198
ENSG00000227066	5.646416987	1.33E-10	3.38E-08	Z98257.1
ENSG00000261231	5.647098189	3.32E-08	2.90E-06	LINC02133
ENSG00000147689	5.657366528	3.89E-15	3.85E-12	FAM83A
ENSG00000251138	5.657601275	1.53E-06	6.37E-05	AC090502.1
ENSG00000105388	5.705453741	4.21E-12	1.82E-09	CEACAM5
ENSG00000166342	5.717955678	5.15E-08	4.15E-06	NETO1
ENSG00000140297	5.781211455	1.09E-17	1.67E-14	GCNT3
ENSG00000198443	5.922976531	0.000117283	0.002005966	KRTAP4-1
ENSG00000180818	5.942230611	0.000597896	0.00715634	HOXC10
ENSG00000166105	6.033423211	1.37E-18	2.79E-15	GLB1L3
ENSG00000170965	6.056406977	1.25E-06	5.42E-05	PLAC1
ENSG00000251350	6.063174958	1.05E-06	4.77E-05	LINC02475
ENSG00000169469	6.10028262	0.000830983	0.009176977	SPRR1B
ENSG00000142700	6.212914056	7.28E-11	2.01E-08	DMRTA2
ENSG00000148702	6.379515642	1.11E-21	1.14E-17	HABP2
ENSG00000283631	6.747203492	3.18E-05	0.000712777	AL928596.1

ENSG00000169474	6.815676164	2.32E-05	0.000557863	SPRR1A
ENSG00000254560	6.907244226	3.74E-06	0.000131262	BBOX1-AS1
ENSG00000123364	7.0474714	1.00E-06	4.59E-05	HOXC13
ENSG00000136695	7.096174378	3.03E-05	0.000685716	IL36RN
ENSG00000204382	7.490231708	3.71E-07	2.03E-05	XAGE1B
ENSG00000170373	7.545391405	1.29E-15	1.36E-12	CST1
