

Table S1. List of differentially expressed genes between glioblastoma multiforme (GBM) and control samples.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>KIAA0513</i>	-4.3124	5.854379	1.14E-72	3.78E-68
<i>AKAP5</i>	-4.13962	2.64945	1.49E-61	1.65E-57
<i>AC132825.1</i>	-5.05533	-1.40287	3.73E-57	1.55E-53
<i>PNMA8B</i>	-4.00678	3.95198	4.74E-54	1.21E-50
<i>SCN2A</i>	-4.11368	4.628829	6.46E-54	1.53E-50
<i>SAMD12</i>	-4.37043	2.280812	8.90E-54	1.97E-50
<i>NAPB</i>	-4.32817	5.916265	4.96E-52	7.84E-49
<i>MT-TF</i>	-5.10472	-2.02862	1.23E-51	1.86E-48
<i>SMIM10L2B</i>	-4.14691	2.710487	3.44E-50	4.39E-47
<i>RASGRF2</i>	-4.00641	3.610406	2.55E-49	2.92E-46
<i>CPNE9</i>	-4.48566	0.722791	8.28E-49	8.33E-46
<i>PRKCG</i>	-5.90068	3.418505	8.46E-47	6.91E-44
<i>GLP2R</i>	-5.65089	0.600006	8.53E-47	6.91E-44
<i>C1orf115</i>	-4.25756	4.152461	1.42E-46	1.12E-43
<i>GALNTL6</i>	-4.8403	-0.07916	3.83E-46	2.89E-43
<i>SLC12A5</i>	-5.07446	4.689309	1.46E-45	1.01E-42
<i>AC010616.1</i>	-4.1671	-0.96549	1.92E-45	1.27E-42
<i>MFSD4A</i>	-4.16119	3.878498	2.14E-45	1.39E-42
<i>PTER</i>	-4.60729	3.195146	3.94E-45	2.47E-42
<i>GPR61</i>	-4.16939	0.372793	5.37E-45	3.20E-42
<i>RYR2</i>	-5.69801	2.843623	5.39E-45	3.20E-42
<i>SOWAHB</i>	-5.25284	-0.25063	1.13E-44	6.56E-42
<i>LOXHD1</i>	-4.84731	-2.22282	2.15E-44	1.21E-41
<i>GRIN3A</i>	-4.65292	1.594805	1.78E-43	8.82E-41
<i>KCNH3</i>	-4.01966	3.774131	2.83E-43	1.30E-40
<i>IPCEF1</i>	-4.10844	2.825633	5.57E-43	2.43E-40
<i>ADAM11</i>	-4.09177	3.471546	5.57E-43	2.43E-40
<i>GRIN2B</i>	-5.66996	3.74595	7.39E-43	3.19E-40
<i>ANK3</i>	-4.05835	4.598154	3.26E-42	1.35E-39
<i>PNMA5</i>	-5.85083	0.608581	3.30E-42	1.35E-39
<i>BSN</i>	-4.4781	5.334815	3.42E-42	1.39E-39
<i>HIPK4</i>	-5.19759	0.154651	5.35E-42	2.10E-39
<i>PPP4R4</i>	-4.95615	2.152499	7.73E-42	2.95E-39
<i>PAK6</i>	-4.25583	-0.49879	8.08E-42	3.05E-39
<i>LRRC7</i>	-4.49028	2.541376	9.91E-42	3.70E-39
<i>PRKCB</i>	-4.42409	5.362459	2.10E-40	6.91E-38
<i>SH2D5</i>	-4.56406	2.383799	3.83E-40	1.21E-37
<i>CAMKK1</i>	-4.00825	4.577442	5.78E-40	1.81E-37
<i>RGS7BP</i>	-4.39593	2.43655	6.71E-40	2.06E-37
<i>IL12RB2</i>	-4.17474	-1.02515	6.93E-40	2.11E-37
<i>AC011995.2</i>	-5.90106	-2.2965	1.23E-39	3.57E-37
<i>LINC01168</i>	-4.92581	-1.92667	1.48E-39	4.28E-37
<i>DNM1</i>	-4.02706	6.985745	1.73E-39	4.90E-37
<i>SYP</i>	-4.11675	6.662043	2.30E-39	6.48E-37
<i>MATK</i>	-4.06475	2.254812	2.66E-39	7.36E-37
<i>CALHM1</i>	-5.23337	-1.38593	2.82E-39	7.73E-37
<i>ARHGAP44</i>	-4.38069	3.029191	4.03E-39	1.08E-36
<i>KLK3</i>	-7.33687	-3.34122	4.96E-39	1.32E-36
<i>ICAM5</i>	-4.80554	3.443923	1.00E-38	2.55E-36
<i>ATP8A2</i>	-5.3374	3.332767	2.98E-38	7.32E-36
<i>SNCA</i>	-4.16615	4.822729	4.68E-38	1.13E-35
<i>SV2C</i>	-5.06993	2.099752	6.16E-38	1.47E-35
<i>SCN2B</i>	-4.39176	3.819063	6.77E-38	1.60E-35
<i>PDE1A</i>	-4.13232	3.366087	6.81E-38	1.60E-35
<i>CRYGN</i>	-4.09517	-1.82792	1.16E-37	2.68E-35
<i>SYN2</i>	-5.0054	5.775013	2.02E-37	4.62E-35
<i>DDN</i>	-5.40652	4.416027	4.38E-37	9.82E-35
<i>CIQL3</i>	-5.74685	1.831446	6.22E-37	1.37E-34
<i>SLC30A3</i>	-5.0398	2.881628	6.69E-37	1.46E-34

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>SCN3B</i>	-4.56986	5.171479	7.58E-37	1.64E-34
<i>CHD5</i>	-5.43161	4.40052	8.40E-37	1.79E-34
<i>MTUS2</i>	-4.67141	0.860682	8.43E-37	1.79E-34
<i>STX1B</i>	-4.045	5.380439	1.29E-36	2.70E-34
<i>PDE2A</i>	-4.26003	5.020773	2.04E-36	4.19E-34
<i>RAB3A</i>	-4.23411	5.078584	2.58E-36	5.18E-34
<i>SLC22A8</i>	-6.68985	-2.4481	2.63E-36	5.27E-34
<i>NWD2</i>	-5.78233	0.307646	4.63E-36	8.99E-34
<i>RASAL1</i>	-5.33611	2.899095	5.29E-36	1.02E-33
<i>FAM19A2</i>	-4.26577	2.356684	8.84E-36	1.67E-33
<i>FRMPD2B</i>	-4.89673	-1.88218	2.26E-35	4.18E-33
<i>AC007450.4</i>	-4.37933	-3.72435	6.33E-35	1.15E-32
<i>AP003559.1</i>	-4.32632	-2.17641	1.04E-34	1.87E-32
<i>PHF24</i>	-4.87343	4.176686	1.83E-34	3.24E-32
<i>SOWAHA</i>	-4.21382	2.996124	1.86E-34	3.27E-32
<i>NEURL1</i>	-4.28928	3.305868	2.43E-34	4.23E-32
<i>RTN4RL1</i>	-4.7812	1.851966	2.48E-34	4.26E-32
<i>PHYHIP</i>	-4.64212	5.659454	3.19E-34	5.46E-32
<i>ATP2B3</i>	-5.23426	2.800352	3.85E-34	6.50E-32
<i>SLC8A2</i>	-5.21996	4.007085	4.67E-34	7.83E-32
<i>CACNA1I</i>	-4.91581	1.982244	8.90E-34	1.47E-31
<i>NPAS4</i>	-5.07468	-0.28033	1.49E-33	2.44E-31
<i>WNT10B</i>	-4.93922	1.095527	1.53E-33	2.49E-31
<i>CNGB1</i>	-5.78938	-0.12936	2.21E-33	3.56E-31
<i>RPLP0P6</i>	5.969662	5.321035	2.30E-33	3.69E-31
<i>REPS2</i>	-4.04922	3.91852	3.02E-33	4.82E-31
<i>RXFP1</i>	-4.95626	0.652113	3.09E-33	4.89E-31
<i>RASGRF1</i>	-4.67737	3.578837	3.09E-33	4.89E-31
<i>AC134312.1</i>	-4.95286	-0.35517	3.40E-33	5.32E-31
<i>RIMBP2</i>	-4.60978	3.146178	3.72E-33	5.79E-31
<i>CREG2</i>	-5.12468	4.238929	4.87E-33	7.49E-31
<i>DLGAP2</i>	-5.24298	1.645649	6.04E-33	9.15E-31
<i>BX276092.7</i>	-5.45673	-3.34523	6.39E-33	9.64E-31
<i>C4orf50</i>	-5.21414	-0.24744	1.40E-32	2.02E-30
<i>DLGAP3</i>	-4.31531	3.258503	1.44E-32	2.08E-30
<i>MT-TL1</i>	-4.38264	-3.04198	1.49E-32	2.13E-30
<i>KCNJ4</i>	-4.56486	2.953277	1.59E-32	2.25E-30
<i>SLC4A10</i>	-4.172	3.959111	2.15E-32	3.01E-30
<i>AC124312.2</i>	-4.17612	-0.50731	2.20E-32	3.07E-30
<i>FBXO40</i>	-4.86727	-1.99655	3.51E-32	4.81E-30
<i>TMEM130</i>	-5.01908	5.111216	3.76E-32	5.12E-30
<i>PCLO</i>	-4.70147	3.55456	4.31E-32	5.78E-30
<i>ANO3</i>	-4.60057	1.715401	4.48E-32	5.95E-30
<i>NEUROD6</i>	-6.08212	0.539496	5.13E-32	6.76E-30
<i>DOC2A</i>	-4.43015	3.510773	5.91E-32	7.69E-30
<i>SV2B</i>	-5.4601	4.725216	6.54E-32	8.49E-30
<i>SSTR3</i>	-5.14431	0.1563	8.33E-32	1.07E-29
<i>PART1</i>	-4.05258	1.972947	8.51E-32	1.09E-29
<i>MAP7D2</i>	-4.68876	3.012986	9.46E-32	1.19E-29
<i>MPPED1</i>	-5.26489	2.721335	1.02E-31	1.28E-29
<i>CARMIL2</i>	-4.08789	1.859448	1.09E-31	1.37E-29
<i>TMEM155</i>	-4.5127	1.88093	1.31E-31	1.64E-29
<i>SLC6A17</i>	-5.11838	4.68401	1.31E-31	1.63E-29
<i>SLC26A4-AS1</i>	-5.07811	2.01538	1.67E-31	2.06E-29
<i>NRXN3</i>	-4.31187	3.997191	1.79E-31	2.19E-29
<i>SST</i>	-5.27091	2.434015	1.85E-31	2.24E-29
<i>NECAB2</i>	-4.16523	3.56749	2.00E-31	2.39E-29
<i>FRMPD4</i>	-5.16994	1.971137	2.11E-31	2.51E-29
<i>ACTBP2</i>	4.844262	2.55609	2.43E-31	2.84E-29

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>SVOP</i>	-5.30685	3.527121	2.77E-31	3.21E-29
<i>PRMT8</i>	-4.47934	1.743843	2.79E-31	3.23E-29
<i>AC124303.2</i>	-4.23517	-2.01776	4.10E-31	4.64E-29
<i>SNCG</i>	-4.36745	3.557195	4.36E-31	4.93E-29
<i>GLT1D1</i>	-4.48059	2.100052	5.00E-31	5.61E-29
<i>H3F3AP4</i>	4.932055	4.491507	5.43E-31	6.08E-29
<i>HOOK1</i>	-4.66298	0.71955	8.36E-31	9.11E-29
<i>CACNA1E</i>	-4.28	3.791262	1.09E-30	1.18E-28
<i>CAMK2A</i>	-5.11445	6.486581	1.14E-30	1.22E-28
<i>TRHDE</i>	-5.47052	0.958435	1.25E-30	1.34E-28
<i>AP005901.3</i>	-5.57194	-2.76531	1.39E-30	1.48E-28
<i>KIF12</i>	-5.54666	-1.64501	1.40E-30	1.49E-28
<i>STYK1</i>	-5.12954	0.14226	1.66E-30	1.76E-28
<i>AC104623.2</i>	-4.29604	-2.33115	1.70E-30	1.79E-28
<i>TESPA1</i>	-5.02702	2.326003	1.79E-30	1.87E-28
<i>LINC01616</i>	-5.62453	-1.49578	2.32E-30	2.40E-28
<i>AC008568.1</i>	-5.61088	-3.27944	2.45E-30	2.53E-28
<i>KCTD16</i>	-4.43449	2.705402	2.45E-30	2.53E-28
<i>SYT1</i>	-5.01421	6.485493	2.63E-30	2.68E-28
<i>EPHA8</i>	-4.28517	-1.4102	3.57E-30	3.60E-28
<i>SLC7A4</i>	-4.60999	-0.00222	3.79E-30	3.80E-28
<i>NRGN</i>	-4.39864	6.551721	5.02E-30	4.99E-28
<i>LINC01331</i>	-5.45955	-3.45537	5.73E-30	5.65E-28
<i>FBXL16</i>	-4.11656	6.259346	7.08E-30	6.87E-28
<i>AJAPI</i>	-4.3568	2.93502	9.57E-30	9.21E-28
<i>GRM2</i>	-4.09334	1.66993	1.46E-29	1.39E-27
<i>TPPP</i>	-4.30671	6.261399	1.60E-29	1.52E-27
<i>HTR2A</i>	-4.6478	2.311638	1.74E-29	1.64E-27
<i>AC073525.1</i>	-5.58827	-2.57532	1.96E-29	1.84E-27
<i>SHANK1</i>	-4.5237	3.949933	2.21E-29	2.07E-27
<i>HTR2C</i>	-5.46025	-0.38249	2.55E-29	2.38E-27
<i>SULT4A1</i>	-5.08688	4.365985	2.69E-29	2.50E-27
<i>AGBL1</i>	-5.31756	-2.58864	3.02E-29	2.79E-27
<i>CACNA1B</i>	-5.19577	2.8088	3.37E-29	3.09E-27
<i>AK5</i>	-4.68287	5.071451	3.64E-29	3.33E-27
<i>AC009084.2</i>	-4.25623	-0.57955	4.33E-29	3.93E-27
<i>CCDC85A</i>	-4.15345	0.71568	4.75E-29	4.30E-27
<i>PACSIN1</i>	-5.28411	5.207251	5.14E-29	4.63E-27
<i>SYN1</i>	-4.42512	5.957571	5.18E-29	4.63E-27
<i>GRIN1</i>	-5.59766	5.329572	6.68E-29	5.92E-27
<i>RFPL1S</i>	-4.45983	2.662759	7.45E-29	6.55E-27
<i>GABRA5</i>	-5.43009	3.180509	8.51E-29	7.42E-27
<i>YBX1P1</i>	4.894254	2.859913	8.87E-29	7.71E-27
<i>FSTL4</i>	-4.65281	1.571392	1.01E-28	8.80E-27
<i>DRD1</i>	-4.86071	0.732164	1.69E-28	1.45E-26
<i>GDA</i>	-5.0132	4.140178	1.79E-28	1.53E-26
<i>FADS6</i>	-5.31559	-1.13426	1.99E-28	1.69E-26
<i>GPR52</i>	-5.24081	-3.07608	2.01E-28	1.71E-26
<i>MPP7</i>	-4.11267	0.669363	2.27E-28	1.91E-26
<i>SERTM1</i>	-5.22977	1.252861	3.34E-28	2.78E-26
<i>SLC22A10</i>	-4.88987	-3.37749	3.36E-28	2.79E-26
<i>PTGER3</i>	-4.7525	-0.02411	3.75E-28	3.10E-26
<i>AC105219.4</i>	-4.63022	-3.00708	3.85E-28	3.17E-26
<i>AC098679.3</i>	-4.1877	0.576843	4.21E-28	3.46E-26
<i>PPP2R2C</i>	-4.51611	5.011034	4.28E-28	3.50E-26
<i>KIAA1644</i>	-4.83122	3.467925	4.56E-28	3.72E-26
<i>TMEM132D</i>	-5.44838	1.602073	4.73E-28	3.85E-26
<i>WNT1</i>	-4.33298	-2.65254	5.41E-28	4.39E-26
<i>PTPRR</i>	-4.34537	1.772796	5.83E-28	4.70E-26

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>GRIN2A</i>	-4.71328	3.81034	6.67E-28	5.34E-26
<i>RBFOX1</i>	-5.01556	3.783207	6.85E-28	5.47E-26
<i>SYNGR3</i>	-4.22405	3.917579	6.88E-28	5.48E-26
<i>SYT5</i>	-4.24039	3.987678	7.44E-28	5.90E-26
<i>SNRPGP10</i>	6.157284	2.58712	8.11E-28	6.41E-26
<i>SLC6A7</i>	-5.43945	1.871803	8.57E-28	6.76E-26
<i>LINC00282</i>	-4.41885	-0.30519	1.05E-27	8.22E-26
<i>CDH9</i>	-5.29588	0.082492	1.20E-27	9.35E-26
<i>AC004925.1</i>	-4.00874	1.582137	1.50E-27	1.16E-25
<i>CHRM1</i>	-4.97124	3.006429	1.51E-27	1.16E-25
<i>CRHR2</i>	-4.47013	-0.74322	1.81E-27	1.39E-25
<i>GABRB2</i>	-4.95011	3.569527	2.07E-27	1.57E-25
<i>RAB3C</i>	-4.78239	4.225976	2.14E-27	1.62E-25
<i>GRM1</i>	-4.43303	1.744861	2.24E-27	1.69E-25
<i>GPR83</i>	-4.8039	1.002617	2.39E-27	1.80E-25
<i>ADAD2</i>	-4.16879	0.670543	2.41E-27	1.81E-25
<i>SYT7</i>	-4.11734	5.065847	2.71E-27	2.02E-25
<i>EIF4A1P10</i>	4.204738	2.283837	4.14E-27	3.04E-25
<i>AL049775.1</i>	-4.49296	-1.31868	4.88E-27	3.58E-25
<i>CDH8</i>	-4.24686	2.354522	6.06E-27	4.41E-25
<i>H3F3AP6</i>	6.337623	0.733079	6.35E-27	4.61E-25
<i>ZNF831</i>	-4.33549	-0.53427	6.58E-27	4.77E-25
<i>CALN1</i>	-4.49189	3.346165	6.90E-27	4.99E-25
<i>TBR1</i>	-4.72908	2.285193	7.83E-27	5.66E-25
<i>RAB3B</i>	-4.02609	2.939321	9.72E-27	6.98E-25
<i>RBFOX3</i>	-4.91151	3.264032	1.33E-26	9.53E-25
<i>PNMA6F</i>	-5.90715	-0.20166	1.63E-26	1.15E-24
<i>ISLR2</i>	-4.48877	2.954714	2.29E-26	1.60E-24
<i>LINC01007</i>	-6.81036	-1.07372	2.37E-26	1.64E-24
<i>SNAP25</i>	-4.48002	7.448785	2.59E-26	1.79E-24
<i>RIMS1</i>	-4.20883	2.867306	2.73E-26	1.88E-24
<i>HS6ST3</i>	-4.53599	3.145739	3.01E-26	2.07E-24
<i>CCKBR</i>	-4.9351	1.340479	5.06E-26	3.44E-24
<i>RPS23P8</i>	4.528586	2.825814	5.22E-26	3.54E-24
<i>ANKRD34C</i>	-4.95412	-1.76028	5.69E-26	3.84E-24
<i>NPTX1</i>	-4.55808	5.842336	6.40E-26	4.28E-24
<i>CPNE6</i>	-4.888	3.956803	6.58E-26	4.40E-24
<i>C11orf87</i>	-4.45391	2.941786	7.14E-26	4.73E-24
<i>RRM2</i>	7.225533	5.787819	8.54E-26	5.62E-24
<i>HPCAL4</i>	-4.35745	5.479407	1.30E-25	8.43E-24
<i>FRRS1L</i>	-4.1827	4.169519	1.34E-25	8.67E-24
<i>MAS1</i>	-5.28821	-0.69577	1.41E-25	9.13E-24
<i>AC078925.2</i>	-5.20668	-3.86303	1.42E-25	9.15E-24
<i>AC005358.2</i>	-4.44962	-3.88195	1.47E-25	9.46E-24
<i>KLHL1</i>	-5.51418	-1.12433	1.50E-25	9.62E-24
<i>AC116456.1</i>	-5.18733	-2.66165	1.54E-25	9.85E-24
<i>AC110491.1</i>	-5.33371	-0.63021	1.66E-25	1.06E-23
<i>AC061961.1</i>	-5.45629	-2.35468	1.67E-25	1.06E-23
<i>WSCD2</i>	-5.03066	2.033159	1.70E-25	1.08E-23
<i>SPTB</i>	-4.1047	2.317807	1.81E-25	1.14E-23
<i>JAKMIP1</i>	-4.08496	3.061398	1.88E-25	1.19E-23
<i>MAL2</i>	-5.17814	1.532282	2.53E-25	1.58E-23
<i>HMGN2P5</i>	4.772376	3.299241	2.83E-25	1.75E-23
<i>OPRM1</i>	-5.18679	-3.48003	3.27E-25	2.02E-23
<i>PEX5L</i>	-4.23021	4.005328	3.66E-25	2.24E-23
<i>AC021683.1</i>	-4.40672	-0.25141	4.14E-25	2.53E-23
<i>IQSEC3</i>	-4.37017	3.594818	4.22E-25	2.57E-23
<i>NPM2</i>	-4.13772	1.763689	5.72E-25	3.45E-23
<i>AC016739.1</i>	4.570216	3.665282	6.42E-25	3.86E-23

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>ANKRD20A5P</i>	-4.55205	-2.51928	6.91E-25	4.14E-23
<i>TACR3</i>	-4.40965	-1.93934	7.62E-25	4.55E-23
<i>AC062028.1</i>	-4.17679	-0.97575	7.91E-25	4.72E-23
<i>HCN1</i>	-5.13274	1.762671	8.25E-25	4.91E-23
<i>RPL5P34</i>	4.842945	2.565514	8.84E-25	5.23E-23
<i>TPH2</i>	-4.54892	-2.76697	9.11E-25	5.38E-23
<i>VIP</i>	-4.38654	0.265746	1.10E-24	6.46E-23
<i>TMEM88B</i>	-4.54057	-0.47596	1.12E-24	6.56E-23
<i>GRM5</i>	-4.84279	1.0569	1.18E-24	6.89E-23
<i>ZNF209P</i>	-4.78811	-3.84296	1.20E-24	7.01E-23
<i>RPS2P55</i>	4.781608	1.383065	1.26E-24	7.33E-23
<i>CNNM1</i>	-4.60779	1.716602	1.38E-24	7.95E-23
<i>AC104619.3</i>	5.146519	1.389582	1.39E-24	8.03E-23
<i>RPL12P4</i>	4.636072	2.131684	1.52E-24	8.68E-23
<i>SLC5A5</i>	-4.1095	-1.87683	1.60E-24	9.12E-23
<i>AC009487.4</i>	-5.34649	-3.65015	1.85E-24	1.05E-22
<i>LRFN2</i>	-4.41295	1.218619	1.91E-24	1.09E-22
<i>LINC00390</i>	-5.10781	-3.44831	1.97E-24	1.12E-22
<i>CABP1</i>	-4.19022	3.236282	2.01E-24	1.13E-22
<i>HMGNI1P38</i>	4.734685	0.059293	2.10E-24	1.18E-22
<i>CAMKV</i>	-4.44247	4.677799	2.41E-24	1.35E-22
<i>GABRA4</i>	-4.74719	2.464171	2.56E-24	1.43E-22
<i>PNMA3</i>	-4.04998	2.913141	2.75E-24	1.52E-22
<i>NPBWR1</i>	-4.76809	-3.36793	2.88E-24	1.59E-22
<i>DOK6</i>	-4.08808	2.932979	3.09E-24	1.70E-22
<i>AL161734.1</i>	-4.66426	-3.3148	3.09E-24	1.70E-22
<i>CNTNAP2</i>	-4.32883	4.291526	3.74E-24	2.04E-22
<i>RGS4</i>	-4.2871	4.999558	3.94E-24	2.14E-22
<i>AL590233.1</i>	-4.88956	-3.8302	4.15E-24	2.26E-22
<i>MYT1L</i>	-4.92984	3.739519	4.24E-24	2.30E-22
<i>TRPC5</i>	-4.55283	-1.33095	4.26E-24	2.31E-22
<i>POTEF</i>	6.714063	-0.36272	5.10E-24	2.73E-22
<i>GSG1L2</i>	-5.92389	-3.01098	5.14E-24	2.75E-22
<i>C5orf64-AS1</i>	-4.33583	-3.34708	5.25E-24	2.80E-22
<i>SYCE1</i>	-4.70302	-1.98708	5.66E-24	3.01E-22
<i>GABRD</i>	-4.03472	3.429287	5.67E-24	3.01E-22
<i>SYT10</i>	-5.73621	-2.84221	6.76E-24	3.56E-22
<i>TRPV6</i>	-4.14706	0.200084	7.39E-24	3.89E-22
<i>CACNG8</i>	-4.01735	4.339547	7.47E-24	3.92E-22
<i>SLC35F3</i>	-4.25957	0.729093	8.26E-24	4.31E-22
<i>EMX1</i>	-4.56742	0.954661	8.67E-24	4.52E-22
<i>FSTL5</i>	-4.52864	1.132527	8.72E-24	4.54E-22
<i>CELF4</i>	-4.55828	4.16104	1.03E-23	5.33E-22
<i>KCNA4</i>	-4.69322	-0.06631	1.05E-23	5.41E-22
<i>CD22</i>	-4.08467	2.208775	1.18E-23	6.09E-22
<i>INHBA-AS1</i>	-4.2766	-1.04929	1.34E-23	6.88E-22
<i>SNAP91</i>	-4.4845	4.853396	1.44E-23	7.37E-22
<i>AC134312.3</i>	-5.00586	-3.10247	1.58E-23	8.06E-22
<i>CACNG3</i>	-5.31587	2.557242	1.60E-23	8.15E-22
<i>LINC00940</i>	-4.54836	-1.26527	1.70E-23	8.63E-22
<i>AP002505.2</i>	-4.11223	-3.6405	1.80E-23	9.08E-22
<i>EIF4A1P2</i>	4.694817	0.551235	1.82E-23	9.21E-22
<i>OLFM3</i>	-4.63341	1.701349	1.87E-23	9.41E-22
<i>KCNJ9</i>	-4.03794	4.190729	1.87E-23	9.41E-22
<i>LRTM2</i>	-4.99513	1.680154	2.04E-23	1.02E-21
<i>GREM2</i>	-4.28373	1.1558	2.04E-23	1.02E-21
<i>AC226101.2</i>	-4.20961	-3.59573	2.44E-23	1.21E-21
<i>ACVR1C</i>	-4.1065	1.18302	2.92E-23	1.44E-21
<i>ACTBP11</i>	4.256814	0.740117	2.92E-23	1.44E-21

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>VSNL1</i>	-4.79621	5.837895	3.21E-23	1.58E-21
<i>KCNC2</i>	-5.03251	2.469925	3.26E-23	1.60E-21
<i>AC068787.1</i>	-4.77511	-3.8651	3.36E-23	1.64E-21
<i>AC037441.1</i>	-5.04554	-2.04423	3.72E-23	1.81E-21
<i>CD177P1</i>	-5.68519	-3.66087	3.82E-23	1.86E-21
<i>AC007683.1</i>	4.702543	0.556442	3.83E-23	1.86E-21
<i>NEGR1</i>	-4.03942	4.109148	4.21E-23	2.04E-21
<i>LINC01476</i>	-6.17911	-2.69596	4.27E-23	2.07E-21
<i>DCTN1-AS1</i>	-4.26904	-0.5934	4.99E-23	2.41E-21
<i>CPLX2</i>	-4.80148	6.345853	5.51E-23	2.64E-21
<i>RPL37AP1</i>	4.739752	1.155921	6.80E-23	3.24E-21
<i>KCNJ12</i>	-4.14724	0.359808	7.41E-23	3.51E-21
<i>SH3GL3</i>	-4.24177	3.043694	8.02E-23	3.79E-21
<i>MIR770</i>	-4.73701	-0.55715	9.51E-23	4.47E-21
<i>EEF1A1P14</i>	4.675357	1.248404	1.03E-22	4.85E-21
<i>KCNT1</i>	-4.55039	2.517008	1.07E-22	5.04E-21
<i>AC135782.1</i>	-4.03398	-1.16009	1.20E-22	5.61E-21
<i>PTPN5</i>	-4.34331	3.889034	1.21E-22	5.63E-21
<i>AL353746.1</i>	-5.10331	-0.36048	1.57E-22	7.27E-21
<i>AC103681.2</i>	-4.19262	-3.55191	1.71E-22	7.91E-21
<i>ANKRD34C-AS1</i>	-5.53629	-2.7683	1.88E-22	8.63E-21
<i>SSTR1</i>	-4.96255	1.638308	1.95E-22	8.92E-21
<i>LINC01166</i>	-4.42992	-2.67046	2.11E-22	9.63E-21
<i>KCNS2</i>	-4.65036	0.715874	2.19E-22	9.95E-21
<i>PFN1P1</i>	4.457583	1.091769	2.46E-22	1.12E-20
<i>SLC17A7</i>	-5.02294	6.621458	2.59E-22	1.18E-20
<i>KCNH5</i>	-4.73739	0.663983	2.61E-22	1.18E-20
<i>DRD5</i>	-5.21767	-1.437	2.77E-22	1.25E-20
<i>GRM4</i>	-4.49478	0.363126	3.80E-22	1.71E-20
<i>KCNV1</i>	-5.39561	1.486048	3.88E-22	1.73E-20
<i>EIF4E1B</i>	-4.96731	-1.44006	3.92E-22	1.75E-20
<i>ADARB2</i>	-4.03621	2.704966	3.96E-22	1.76E-20
<i>HTR3B</i>	-5.3925	-2.04797	3.96E-22	1.76E-20
<i>TRHDE-AS1</i>	-4.86948	-1.0263	4.34E-22	1.93E-20
<i>LINC02347</i>	-4.10553	-3.2583	4.34E-22	1.92E-20
<i>HS3ST2</i>	-4.23712	3.256942	4.73E-22	2.09E-20
<i>U62631.1</i>	-4.70313	-2.67417	4.94E-22	2.17E-20
<i>AC099684.1</i>	-5.22169	-1.85431	5.02E-22	2.21E-20
<i>MCHR2</i>	-5.72129	-0.82529	5.45E-22	2.39E-20
<i>LY86-AS1</i>	-4.68196	0.267379	6.97E-22	3.02E-20
<i>MAN1A2P1</i>	-5.28578	-3.7265	7.10E-22	3.08E-20
<i>CUX2</i>	-4.64981	2.224595	7.11E-22	3.08E-20
<i>LINC01106</i>	-4.67905	-1.42022	7.19E-22	3.10E-20
<i>PSG8-AS1</i>	-4.46148	-2.26605	7.19E-22	3.10E-20
<i>ANKRD30B</i>	-4.45607	-2.76622	8.41E-22	3.59E-20
<i>KCNJ3</i>	-4.4953	2.52284	9.06E-22	3.85E-20
<i>SYT13</i>	-4.59045	4.153091	1.00E-21	4.25E-20
<i>AC018358.1</i>	-5.40302	-1.80435	1.06E-21	4.48E-20
<i>FAM163B</i>	-4.75766	3.014522	1.17E-21	4.90E-20
<i>KRT222</i>	-5.01057	-0.06085	1.21E-21	5.06E-20
<i>SLC7A14</i>	-4.12453	3.845647	1.25E-21	5.22E-20
<i>AP001993.1</i>	-5.64022	-2.88978	1.48E-21	6.15E-20
<i>EGR4</i>	-4.5295	-0.3174	1.59E-21	6.58E-20
<i>RPS2P7</i>	4.549502	1.723904	1.62E-21	6.70E-20
<i>AL139095.2</i>	5.593024	1.910886	1.69E-21	6.98E-20
<i>CTAGE14P</i>	-4.09413	-3.89118	1.81E-21	7.46E-20
<i>RPL5P4</i>	5.088229	1.245281	1.89E-21	7.73E-20
<i>FAM19A1</i>	-4.40435	1.523784	1.97E-21	8.05E-20
<i>UNC13C</i>	-4.6535	1.798159	1.98E-21	8.10E-20

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>EPHA6</i>	-4.86493	-0.82126	2.54E-21	1.02E-19
<i>RELN</i>	-4.36221	2.798327	2.59E-21	1.04E-19
<i>AC104024.2</i>	-5.2662	-0.00205	2.65E-21	1.07E-19
<i>SLC22A9</i>	-4.96427	-3.29736	2.66E-21	1.07E-19
<i>KIF20A</i>	6.622272	4.210273	2.68E-21	1.07E-19
<i>AC068254.1</i>	-5.65415	-3.85663	2.70E-21	1.08E-19
<i>AL031429.2</i>	-5.61133	-3.81871	2.72E-21	1.09E-19
<i>AC109779.1</i>	-4.03169	-3.08064	3.13E-21	1.24E-19
<i>AC010343.1</i>	4.795274	3.456291	3.14E-21	1.25E-19
<i>KLHL30-AS1</i>	-4.10782	-3.20404	3.17E-21	1.26E-19
<i>NEFM</i>	-5.02781	4.336315	3.26E-21	1.29E-19
<i>PNPLA5</i>	-4.51971	-2.16436	3.62E-21	1.43E-19
<i>GPR22</i>	-4.56322	0.851251	3.67E-21	1.44E-19
<i>GNG3</i>	-4.02291	4.020272	3.69E-21	1.45E-19
<i>AC104072.1</i>	-4.33934	0.979281	3.70E-21	1.45E-19
<i>PTPRT</i>	-4.16647	3.819566	3.83E-21	1.50E-19
<i>RPL7AP6</i>	4.222808	3.577916	4.38E-21	1.70E-19
<i>AC110774.1</i>	-4.57452	-2.96576	4.98E-21	1.92E-19
<i>POTEKP</i>	5.435956	-0.11782	5.84E-21	2.24E-19
<i>KCNG3</i>	-4.46447	-1.5701	5.85E-21	2.24E-19
<i>AP003385.3</i>	4.705649	0.850323	6.01E-21	2.29E-19
<i>TMEM235</i>	-4.66528	2.044163	6.19E-21	2.35E-19
<i>GABRA1</i>	-5.01221	3.891416	6.65E-21	2.51E-19
<i>HS3ST4</i>	-4.29597	1.844361	7.13E-21	2.68E-19
<i>CPNE7</i>	-4.05391	1.795117	8.22E-21	3.08E-19
<i>AC008021.1</i>	4.338177	1.676536	8.41E-21	3.15E-19
<i>AC103855.2</i>	-5.21565	-2.73041	9.13E-21	3.42E-19
<i>SNCB</i>	-4.26628	5.229479	1.27E-20	4.73E-19
<i>LHFPL5</i>	-4.53021	-1.97756	1.31E-20	4.86E-19
<i>SLC32A1</i>	-4.63419	2.304304	1.40E-20	5.17E-19
<i>AL136454.1</i>	4.240682	2.123152	1.41E-20	5.23E-19
<i>HECW1</i>	-4.00815	2.713218	1.55E-20	5.69E-19
<i>LINC02389</i>	-4.23212	-1.44849	1.60E-20	5.85E-19
<i>JPH3</i>	-4.41555	4.11583	1.77E-20	6.44E-19
<i>EEF1A1P7</i>	4.117195	1.204618	2.00E-20	7.23E-19
<i>KLK7</i>	-5.62186	0.384258	2.25E-20	8.13E-19
<i>POTEE</i>	5.25067	-0.04562	2.27E-20	8.20E-19
<i>PP12613</i>	-4.43026	-3.16271	2.43E-20	8.72E-19
<i>CARNS1</i>	-4.41076	5.378601	2.59E-20	9.28E-19
<i>HRH3</i>	-4.65485	1.579498	2.62E-20	9.39E-19
<i>EEF1A1P4</i>	4.42732	2.040205	3.02E-20	1.08E-18
<i>AC013248.2</i>	5.766547	2.680078	3.10E-20	1.10E-18
<i>CALY</i>	-4.56675	3.28309	3.37E-20	1.19E-18
<i>AC079296.1</i>	-4.10939	-2.94846	3.42E-20	1.20E-18
<i>RPL24P8</i>	4.977449	1.956057	3.93E-20	1.37E-18
<i>KCNA1</i>	-4.06979	2.08669	4.16E-20	1.45E-18
<i>SERPINA10</i>	-4.0453	-3.53293	4.25E-20	1.48E-18
<i>DLGAP5</i>	7.073581	3.720824	4.50E-20	1.56E-18
<i>PRSS3P4</i>	-4.60194	-3.89937	4.53E-20	1.57E-18
<i>AL162151.2</i>	4.085119	1.672829	4.65E-20	1.61E-18
<i>AC025253.1</i>	-4.24633	-3.40223	5.08E-20	1.75E-18
<i>GAD2</i>	-4.55733	3.159205	5.37E-20	1.84E-18
<i>EEF1A1P22</i>	4.21527	1.206376	5.40E-20	1.84E-18
<i>AC007922.3</i>	-6.38391	-3.27792	6.15E-20	2.09E-18
<i>AC026403.1</i>	4.966176	2.748228	6.57E-20	2.23E-18
<i>AC099560.2</i>	5.130674	1.764427	6.59E-20	2.24E-18
<i>KIRREL3-AS3</i>	-4.90361	-3.53869	6.63E-20	2.25E-18
<i>CLPSL1</i>	-4.3181	-3.9271	6.89E-20	2.33E-18
<i>LINC02346</i>	-5.36653	-2.80239	7.05E-20	2.38E-18

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>UBE2C</i>	7.262891	5.18921	8.33E-20	2.79E-18
<i>AC104563.1</i>	4.920709	0.084104	8.34E-20	2.79E-18
<i>AC095350.2</i>	-4.32922	-3.61142	8.42E-20	2.81E-18
<i>SYNPR</i>	-4.65301	3.401726	8.69E-20	2.89E-18
<i>AL133415.1</i>	5.459632	2.070836	1.01E-19	3.34E-18
<i>PBK</i>	7.193267	4.807049	1.01E-19	3.33E-18
<i>FNDC9</i>	-4.12041	1.681804	1.14E-19	3.74E-18
<i>AC009487.3</i>	-5.3381	-3.48286	1.20E-19	3.92E-18
<i>NDC80</i>	5.999129	3.896056	1.20E-19	3.92E-18
<i>LINC02217</i>	-4.8814	-2.24229	1.29E-19	4.20E-18
<i>AL021395.1</i>	-4.56727	-0.1544	1.37E-19	4.48E-18
<i>RPS2P4</i>	4.504561	-0.14272	1.45E-19	4.70E-18
<i>CAMK1G</i>	-4.22698	2.683882	1.53E-19	4.95E-18
<i>FAM153C</i>	-4.63755	-1.17036	1.54E-19	4.98E-18
<i>MAGED4B</i>	5.33602	1.146255	2.08E-19	6.64E-18
<i>AC022210.1</i>	4.329985	0.646358	2.30E-19	7.33E-18
<i>AC021074.1</i>	4.716382	0.77943	2.50E-19	7.90E-18
<i>DNAJC5G</i>	-4.38915	-2.60915	2.51E-19	7.94E-18
<i>ASIC2</i>	-4.36584	1.485514	2.52E-19	7.95E-18
<i>WEE1</i>	4.065148	5.776502	2.71E-19	8.49E-18
<i>AL390778.2</i>	-4.66997	-3.50072	2.77E-19	8.65E-18
<i>TOP2A</i>	7.209205	6.851977	3.48E-19	1.07E-17
<i>AL450322.2</i>	-4.4581	-3.72561	3.75E-19	1.15E-17
<i>AC126177.6</i>	-4.96899	-3.31106	4.26E-19	1.30E-17
<i>GABRG2</i>	-4.71102	3.694279	4.57E-19	1.39E-17
<i>TCERG1L</i>	-4.54707	-0.25225	4.81E-19	1.46E-17
<i>AC092725.2</i>	4.633949	1.050017	5.13E-19	1.55E-17
<i>FAM153A</i>	-4.48977	-0.45888	5.28E-19	1.59E-17
<i>EEF1A1P11</i>	4.345363	3.674205	5.38E-19	1.62E-17
<i>RPSAP15</i>	5.119143	1.062803	5.53E-19	1.66E-17
<i>PROKR2</i>	-5.30259	-2.95249	5.55E-19	1.66E-17
<i>EEF1A1P10</i>	4.076948	1.267844	5.62E-19	1.68E-17
<i>RPL13AP5</i>	4.009294	5.439082	5.75E-19	1.72E-17
<i>AL162457.2</i>	-5.08356	-3.13023	5.90E-19	1.76E-17
<i>EEF1GP5</i>	4.03303	0.133336	5.98E-19	1.78E-17
<i>TMSB4XP8</i>	4.54607	5.209369	6.26E-19	1.86E-17
<i>SEC14L5</i>	-4.07794	3.206418	6.75E-19	2.00E-17
<i>AC079328.1</i>	6.109562	-0.93147	7.18E-19	2.13E-17
<i>AC010266.2</i>	-4.20138	-1.82615	7.50E-19	2.22E-17
<i>WBSCR17</i>	-4.48281	4.280634	7.53E-19	2.23E-17
<i>AC099398.1</i>	-4.002	-3.54459	9.13E-19	2.69E-17
<i>AC127070.1</i>	4.276486	2.457169	9.14E-19	2.69E-17
<i>CEP55</i>	5.321596	3.192038	9.65E-19	2.84E-17
<i>AP003355.2</i>	-4.88374	-0.05961	1.07E-18	3.15E-17
<i>AC125616.1</i>	-4.40682	-1.7032	1.15E-18	3.36E-17
<i>AMER3</i>	-4.42114	1.475369	1.15E-18	3.34E-17
<i>EEF1A1P25</i>	4.572549	0.54037	1.23E-18	3.57E-17
<i>EEF1A1P17</i>	5.249208	0.577894	1.26E-18	3.67E-17
<i>NCAPG</i>	5.921699	4.161078	1.30E-18	3.78E-17
<i>LINC01257</i>	-4.17191	-2.31836	1.31E-18	3.78E-17
<i>DACH2</i>	-4.25024	1.208883	1.34E-18	3.87E-17
<i>TPT1P9</i>	5.111328	2.361189	1.44E-18	4.17E-17
<i>BHLHA9</i>	-4.67509	-3.27735	1.48E-18	4.28E-17
<i>LINC01511</i>	-4.86092	-1.52556	1.63E-18	4.67E-17
<i>AL356479.1</i>	-4.84838	0.516613	1.88E-18	5.39E-17
<i>CHRNA2</i>	-4.38382	-0.49067	1.93E-18	5.51E-17
<i>AC026585.1</i>	-4.39417	-3.47996	2.04E-18	5.80E-17
<i>AC026790.1</i>	-4.18518	-1.26802	2.06E-18	5.87E-17
<i>RPS19P1</i>	5.22549	0.697923	2.07E-18	5.87E-17



Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>AL031713.1</i>	-5.32554	-3.79515	2.20E-18	6.23E-17
<i>HTR5A</i>	-4.65645	0.272056	2.26E-18	6.41E-17
<i>BUB1</i>	5.264485	4.480832	2.52E-18	7.09E-17
<i>AC113398.1</i>	4.820743	0.143527	2.54E-18	7.16E-17
<i>EEF1A1P29</i>	4.125592	0.752895	2.55E-18	7.16E-17
<i>KCNB2</i>	-4.85801	-0.80484	2.56E-18	7.18E-17
<i>AC004817.1</i>	-4.65996	-3.60841	2.72E-18	7.61E-17
<i>EEF1A1P24</i>	4.261571	1.026772	2.77E-18	7.74E-17
<i>PTPRD-AS2</i>	-4.60029	-3.25319	2.81E-18	7.86E-17
<i>GPR6</i>	-5.39233	-1.52098	2.93E-18	8.17E-17
<i>SYT4</i>	-4.28526	3.86603	3.35E-18	9.28E-17
<i>YBX1P6</i>	5.529329	-0.81955	3.40E-18	9.42E-17
<i>RPSAP12</i>	4.567335	1.468156	3.46E-18	9.56E-17
<i>LRFN5</i>	-4.19239	1.86128	3.47E-18	9.58E-17
<i>FFAR1</i>	-4.26844	-2.46554	3.92E-18	1.08E-16
<i>AC091564.4</i>	-4.0488	-3.72892	4.19E-18	1.15E-16
<i>LINC02296</i>	-4.16349	-3.70535	4.23E-18	1.16E-16
<i>AC026979.1</i>	5.367043	0.076493	4.40E-18	1.21E-16
<i>CENPA</i>	5.939159	2.88293	4.50E-18	1.23E-16
<i>AC131235.1</i>	4.560056	2.370674	4.65E-18	1.27E-16
<i>AIRN</i>	-4.18483	-3.70886	4.67E-18	1.27E-16
<i>ASF1B</i>	5.806827	4.550671	4.71E-18	1.28E-16
<i>MELK</i>	6.826915	4.118672	5.41E-18	1.46E-16
<i>GPR149</i>	-4.24515	-3.73262	5.51E-18	1.49E-16
<i>GABRG3</i>	-4.49299	0.927553	5.63E-18	1.52E-16
<i>AC005632.4</i>	-4.31587	-3.74201	6.09E-18	1.64E-16
<i>RPS10P3</i>	4.725065	1.451016	6.26E-18	1.68E-16
<i>HJURP</i>	5.889374	3.952663	7.23E-18	1.93E-16
<i>TMEM215</i>	-4.42362	-1.7411	7.40E-18	1.97E-16
<i>ST8SIA3</i>	-4.30617	4.196746	8.11E-18	2.16E-16
<i>AC018475.1</i>	4.545558	0.043151	8.56E-18	2.27E-16
<i>E2F8</i>	6.507526	1.962945	8.74E-18	2.31E-16
<i>RPL5P1</i>	4.656448	1.012071	8.85E-18	2.33E-16
<i>AURKB</i>	6.571888	3.932461	8.87E-18	2.34E-16
<i>MYBL2</i>	7.605651	5.51476	9.64E-18	2.53E-16
<i>AC090502.1</i>	-4.52994	-2.59636	1.01E-17	2.65E-16
<i>CHRM2</i>	-4.3491	-0.38824	1.04E-17	2.71E-16
<i>GAPDHP60</i>	4.045099	1.4184	1.06E-17	2.76E-16
<i>AC010422.3</i>	5.131775	1.939087	1.15E-17	3.00E-16
<i>DLGAP1-AS4</i>	-4.05972	-0.53726	1.40E-17	3.62E-16
<i>AF111169.1</i>	4.387599	0.008803	1.43E-17	3.68E-16
<i>KLK2</i>	-4.67736	-3.58496	1.65E-17	4.23E-16
<i>NUSAP1</i>	5.311662	5.739296	1.75E-17	4.49E-16
<i>AC034102.1</i>	4.507065	1.06505	1.85E-17	4.73E-16
<i>ACTG1P9</i>	4.120466	-0.00327	1.94E-17	4.95E-16
<i>AL033519.2</i>	4.94838	0.671977	2.12E-17	5.41E-16
<i>AC122707.1</i>	-4.24891	-2.68078	2.13E-17	5.44E-16
<i>NEFL</i>	-4.53308	5.882317	2.14E-17	5.46E-16
<i>RPS3AP26</i>	4.921834	3.585156	2.17E-17	5.52E-16
<i>TPT1P4</i>	4.734128	1.591877	2.43E-17	6.15E-16
<i>AL035696.3</i>	-4.87929	-2.66113	2.49E-17	6.30E-16
<i>POTE1</i>	4.891147	-0.96753	2.61E-17	6.60E-16
<i>HTR1E</i>	-4.93	-1.60475	2.62E-17	6.62E-16
<i>AC024940.2</i>	4.16039	1.341679	2.69E-17	6.77E-16
<i>OPALIN</i>	-5.02341	4.112562	2.81E-17	7.07E-16
<i>FCER2</i>	-4.57215	-0.54626	3.07E-17	7.69E-16
<i>OR14I1</i>	-5.32125	-2.8572	3.10E-17	7.76E-16
<i>RPL34P18</i>	4.777738	0.734309	3.32E-17	8.26E-16
<i>NEUROD2</i>	-4.24105	2.579629	3.37E-17	8.40E-16

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>EEF1A1P3</i>	4.436701	0.195139	3.45E-17	8.58E-16
<i>AL122020.1</i>	5.234832	1.274667	3.52E-17	8.74E-16
<i>AC015712.7</i>	-4.83914	-3.0063	4.34E-17	1.07E-15
<i>HTR1A</i>	-5.21679	-1.41943	4.73E-17	1.16E-15
<i>AC008164.1</i>	-4.51252	-3.77849	5.33E-17	1.30E-15
<i>CBX3P9</i>	4.518833	0.013454	5.41E-17	1.32E-15
<i>RIMS2</i>	-4.024	2.794855	5.57E-17	1.35E-15
<i>RPS3AP6</i>	4.970636	3.950575	5.57E-17	1.35E-15
<i>TMSB4XP2</i>	4.876759	1.128899	5.58E-17	1.35E-15
<i>AL034399.2</i>	-4.70558	-1.87016	6.49E-17	1.57E-15
<i>TROAP</i>	6.325315	3.992167	6.95E-17	1.67E-15
<i>AC004817.4</i>	-4.51906	-1.95338	7.08E-17	1.70E-15
<i>AP003108.5</i>	-4.0601	-2.98925	7.56E-17	1.81E-15
<i>KRT77</i>	-4.40887	-3.78857	7.80E-17	1.87E-15
<i>AC034268.1</i>	4.726975	-0.78544	8.51E-17	2.03E-15
<i>LCN15</i>	-4.30553	-1.57901	8.70E-17	2.08E-15
<i>SOHLH1</i>	-4.58413	-0.328	8.86E-17	2.11E-15
<i>AC022424.1</i>	-4.3736	-2.97925	9.58E-17	2.28E-15
<i>GRM7</i>	-4.0102	1.228093	9.68E-17	2.30E-15
<i>F2R</i>	4.715943	6.662721	1.04E-16	2.46E-15
<i>AC133134.1</i>	5.351068	-0.5539	1.16E-16	2.73E-15
<i>CRYM</i>	-4.34661	3.91668	1.18E-16	2.77E-15
<i>Z74021.1</i>	4.203173	1.547749	1.20E-16	2.82E-15
<i>RPSAP54</i>	4.137721	1.129811	1.23E-16	2.89E-15
<i>Z97353.1</i>	4.323021	-0.0519	1.28E-16	2.99E-15
<i>RPL30P4</i>	5.633746	-0.70598	1.33E-16	3.12E-15
<i>RPL19P16</i>	4.371261	-0.85245	1.40E-16	3.27E-15
<i>AP000843.1</i>	-4.30757	-1.75687	1.52E-16	3.53E-15
<i>CLEC2L</i>	-4.04771	1.377551	1.55E-16	3.59E-15
<i>AC097658.1</i>	4.757064	0.490614	1.60E-16	3.72E-15
<i>TAGLN2P1</i>	5.261951	1.075995	1.60E-16	3.70E-15
<i>AC121757.1</i>	-4.31877	-3.13495	1.65E-16	3.82E-15
<i>AL451164.1</i>	-4.14745	-3.14487	1.76E-16	4.07E-15
<i>RPSAP17</i>	4.863721	-0.0065	1.81E-16	4.17E-15
<i>HNRNPLP1</i>	4.995169	-1.28727	2.06E-16	4.74E-15
<i>Z94160.1</i>	-4.15792	-3.45228	2.23E-16	5.11E-15
<i>NELL1</i>	-4.17065	2.307824	2.24E-16	5.13E-15
<i>AL162430.1</i>	4.26139	-0.38925	2.28E-16	5.22E-15
<i>BTF3P10</i>	4.265846	-0.96335	2.30E-16	5.25E-15
<i>EZH2</i>	4.49946	5.219786	2.50E-16	5.71E-15
<i>FAM153B</i>	-4.44829	0.288374	2.58E-16	5.87E-15
<i>SHOX2</i>	8.556969	3.991148	2.67E-16	6.08E-15
<i>ATP5G2P4</i>	5.094001	-0.7846	2.80E-16	6.36E-15
<i>RPS4XP3</i>	5.04974	-0.2354	3.50E-16	7.89E-15
<i>KIF4A</i>	4.904008	4.607473	3.51E-16	7.90E-15
<i>FTLP3</i>	4.862525	4.907822	3.67E-16	8.25E-15
<i>RPL3P3</i>	5.135444	-1.17261	3.85E-16	8.66E-15
<i>AL355032.1</i>	4.489786	-0.02948	4.39E-16	9.81E-15
<i>EEF1A1P1</i>	4.590297	-0.24179	4.59E-16	1.02E-14
<i>RAB42</i>	4.648645	3.229178	4.59E-16	1.02E-14
<i>AL353732.1</i>	-4.4302	-3.67345	5.12E-16	1.14E-14
<i>HMG2P4</i>	4.036158	0.038116	5.32E-16	1.18E-14
<i>POTEJ</i>	4.705217	-0.81237	5.58E-16	1.23E-14
<i>HSD3BP4</i>	-4.57157	-3.7264	5.86E-16	1.29E-14
<i>RPS7P10</i>	4.297876	1.65131	6.21E-16	1.37E-14
<i>AC073861.1</i>	4.32064	4.519074	6.52E-16	1.44E-14
<i>AL592182.2</i>	-4.08126	-3.48996	6.69E-16	1.47E-14
<i>AL049873.1</i>	4.108366	1.515375	7.20E-16	1.58E-14
<i>FTHIP10</i>	4.044972	2.044467	7.70E-16	1.68E-14

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>KSR2</i>	-4.18563	1.954646	8.07E-16	1.76E-14
<i>AC020907.2</i>	-4.17633	-2.55123	8.77E-16	1.91E-14
<i>CIDEA</i>	-4.34441	-2.35007	9.01E-16	1.96E-14
<i>AL133480.2</i>	5.121751	0.072518	9.28E-16	2.01E-14
<i>EEF1A1P28</i>	4.168113	-0.32514	1.03E-15	2.22E-14
<i>NYAP2</i>	-4.2969	-1.36435	1.08E-15	2.34E-14
<i>AL049544.1</i>	-4.34276	-3.09874	1.08E-15	2.32E-14
<i>RPS15AP38</i>	4.665027	-0.17142	1.13E-15	2.44E-14
<i>CALML3-AS1</i>	-4.40166	-3.18055	1.16E-15	2.49E-14
<i>MSNP1</i>	5.621643	0.311014	1.20E-15	2.58E-14
<i>AC069218.1</i>	4.105088	0.068376	1.28E-15	2.73E-14
<i>BIRC5</i>	6.234198	5.987759	1.40E-15	2.96E-14
<i>AC099335.1</i>	5.20311	-1.10187	1.41E-15	2.98E-14
<i>LINC01821</i>	-5.26571	-3.41908	1.42E-15	3.00E-14
<i>AC079250.1</i>	4.333861	1.589535	1.46E-15	3.09E-14
<i>AC098590.1</i>	5.494908	-1.47673	1.57E-15	3.31E-14
<i>CENPU</i>	5.136484	4.479034	1.57E-15	3.31E-14
<i>AF106564.1</i>	-4.22564	-0.17061	1.61E-15	3.38E-14
<i>CDH12</i>	-4.15353	-0.19493	1.72E-15	3.59E-14
<i>CDK1</i>	4.806671	4.933638	1.81E-15	3.79E-14
<i>AL161621.1</i>	-4.19647	-3.56048	1.95E-15	4.07E-14
<i>Z68323.1</i>	-5.93282	-3.18912	2.12E-15	4.41E-14
<i>TRMT112P6</i>	4.059977	-0.28319	2.17E-15	4.51E-14
<i>LINC01289</i>	-4.80229	-3.87944	2.27E-15	4.72E-14
<i>TUBBP2</i>	4.127755	-0.37205	2.31E-15	4.80E-14
<i>AC098935.1</i>	4.75081	-0.29867	2.46E-15	5.09E-14
<i>PABPC1L2A</i>	-4.24907	-1.26629	2.54E-15	5.23E-14
<i>HTR5A-AS1</i>	-4.56956	-0.33588	2.60E-15	5.35E-14
<i>GABRG1</i>	-4.18271	2.690356	2.93E-15	6.00E-14
<i>AL356653.1</i>	4.480123	-0.75704	2.98E-15	6.09E-14
<i>ANP32BP1</i>	4.144482	-0.86678	3.10E-15	6.33E-14
<i>KIF14</i>	5.400921	2.97654	3.27E-15	6.64E-14
<i>THSD4-AS1</i>	-4.4203	-2.10478	3.34E-15	6.76E-14
<i>PABPC1L2B</i>	-4.24942	-1.17804	3.87E-15	7.78E-14
<i>CCK</i>	-4.21244	3.812532	4.52E-15	9.01E-14
<i>CDC45</i>	5.611265	3.628418	4.88E-15	9.67E-14
<i>MYL6P5</i>	5.065135	-0.20883	5.03E-15	9.96E-14
<i>AC120036.1</i>	4.166998	0.256591	5.07E-15	1.00E-13
<i>GPR26</i>	-4.83317	0.07403	5.18E-15	1.02E-13
<i>CCNB2</i>	5.147793	4.593902	5.38E-15	1.06E-13
<i>AC008780.2</i>	-4.44821	-1.0438	5.53E-15	1.09E-13
<i>CDCA7</i>	4.118625	4.581554	5.60E-15	1.10E-13
<i>AL669983.1</i>	5.377026	-0.52172	5.65E-15	1.11E-13
<i>RPL35P5</i>	4.201904	1.71016	5.67E-15	1.11E-13
<i>CDCA2</i>	5.582119	2.778191	5.74E-15	1.13E-13
<i>AC090114.1</i>	4.352219	0.965406	5.89E-15	1.16E-13
<i>SDCBPP3</i>	4.713057	-1.13975	5.91E-15	1.16E-13
<i>KIF2C</i>	4.819944	4.708006	6.12E-15	1.20E-13
<i>PCLAF</i>	5.293377	4.13864	6.47E-15	1.26E-13
<i>AC012354.2</i>	4.679522	-1.15111	6.65E-15	1.29E-13
<i>KNL1</i>	5.206694	3.574778	7.52E-15	1.46E-13
<i>AC026790.2</i>	-4.32202	-3.01414	7.58E-15	1.47E-13
<i>AC124804.1</i>	-4.03129	-3.00408	7.94E-15	1.53E-13
<i>SLC6A5</i>	-4.39925	-1.61824	8.57E-15	1.65E-13
<i>AL583859.2</i>	-4.45667	-2.46835	8.81E-15	1.69E-13
<i>GTSE1</i>	5.208368	3.942601	9.17E-15	1.75E-13
<i>CDH18</i>	-4.17697	1.662668	9.17E-15	1.75E-13
<i>AL451081.2</i>	5.283201	-0.61246	9.23E-15	1.76E-13
<i>MAGED4</i>	4.639543	1.092111	9.60E-15	1.83E-13

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>AL049830.1</i>	7.405117	-1.02892	9.65E-15	1.84E-13
<i>RPS15AP11</i>	4.345695	-0.02612	9.73E-15	1.85E-13
<i>AC098591.2</i>	6.979719	-1.41084	9.87E-15	1.88E-13
<i>SKA1</i>	5.107188	2.960763	1.05E-14	2.00E-13
<i>AC023512.1</i>	4.244113	-0.27484	1.12E-14	2.11E-13
<i>MRPL3P1</i>	4.337596	-1.15373	1.19E-14	2.25E-13
<i>LINC01123</i>	-4.31365	-1.66749	1.36E-14	2.57E-13
<i>AL022313.4</i>	-4.22235	1.294053	1.51E-14	2.82E-13
<i>HOXC4</i>	4.969945	2.787455	1.55E-14	2.90E-13
<i>KIF18A</i>	4.508195	2.728901	1.58E-14	2.96E-13
<i>BUB1B</i>	4.913029	3.901119	1.61E-14	3.01E-13
<i>AC120193.1</i>	-4.3147	-3.3989	1.88E-14	3.48E-13
<i>RPL10P1</i>	4.306733	-0.49986	1.93E-14	3.58E-13
<i>AC078991.1</i>	7.617068	-0.83692	2.20E-14	4.04E-13
<i>KIFC1</i>	5.362762	4.714946	2.22E-14	4.08E-13
<i>PDYN</i>	-4.17731	3.545765	2.22E-14	4.08E-13
<i>LYPD8</i>	-4.19801	-1.00461	2.50E-14	4.58E-13
<i>AC011474.1</i>	-4.05789	-0.60039	2.84E-14	5.17E-13
<i>TMSB4XP1</i>	4.006191	1.212363	2.98E-14	5.42E-13
<i>AC011287.1</i>	-4.38965	-2.69845	2.99E-14	5.43E-13
<i>AC002350.1</i>	4.167988	0.024354	3.54E-14	6.38E-13
<i>RPS4XP13</i>	4.756231	-0.50592	3.57E-14	6.43E-13
<i>RPSAP47</i>	4.263837	0.149443	3.60E-14	6.48E-13
<i>AC015819.3</i>	-4.86995	-2.65291	3.87E-14	6.96E-13
<i>FOXM1</i>	4.797636	5.665751	3.90E-14	7.01E-13
<i>AL049651.2</i>	-4.60747	-3.62673	4.09E-14	7.32E-13
<i>AL591501.1</i>	-4.6719	-3.78447	4.31E-14	7.70E-13
<i>AC034207.1</i>	6.870256	-1.49856	4.57E-14	8.14E-13
<i>AC091429.1</i>	4.004156	-0.11289	4.92E-14	8.72E-13
<i>RPS3AP25</i>	5.024817	-0.02614	5.15E-14	9.11E-13
<i>TUBA1C</i>	4.142052	6.879557	5.75E-14	1.01E-12
<i>CENPK</i>	4.602024	3.424328	5.92E-14	1.04E-12
<i>AC019205.3</i>	4.042056	3.608665	6.60E-14	1.16E-12
<i>CHGA</i>	-4.06536	4.528196	6.75E-14	1.18E-12
<i>RPS29P5</i>	4.125813	0.098955	7.24E-14	1.27E-12
<i>SEPT2P1</i>	5.458586	-1.51305	7.26E-14	1.27E-12
<i>AC007688.1</i>	4.14861	0.256135	7.35E-14	1.28E-12
<i>SSTR4</i>	-4.62929	-3.08788	7.42E-14	1.29E-12
<i>AC079154.1</i>	-4.53996	-3.92676	7.99E-14	1.39E-12
<i>AC078875.1</i>	5.502252	-0.84743	8.17E-14	1.41E-12
<i>RPSAP3</i>	4.353729	-0.47277	8.20E-14	1.42E-12
<i>RPL5P17</i>	4.971164	-0.57863	1.16E-13	1.99E-12
<i>SGO1</i>	5.162043	2.562231	1.31E-13	2.23E-12
<i>AC103563.2</i>	-4.241	-3.23233	1.32E-13	2.25E-12
<i>ESCO2</i>	5.050484	3.035632	1.32E-13	2.25E-12
<i>TPT1P6</i>	4.929401	0.052166	1.48E-13	2.51E-12
<i>AC148477.1</i>	-4.2131	-2.22095	1.54E-13	2.61E-12
<i>AL121871.1</i>	4.74932	-0.78581	1.58E-13	2.67E-12
<i>LINC01299</i>	-4.2425	-1.75696	1.68E-13	2.83E-12
<i>AC004057.1</i>	6.351152	0.393781	1.71E-13	2.88E-12
<i>AC068620.1</i>	4.911986	-0.96187	1.73E-13	2.92E-12
<i>PIMREG</i>	6.015365	4.923713	1.77E-13	2.98E-12
<i>IQGAP2</i>	4.252747	4.784032	1.77E-13	2.97E-12
<i>LYPLA2P1</i>	4.581066	-1.66961	1.83E-13	3.06E-12
<i>KRT31</i>	-4.51776	-2.82943	1.85E-13	3.10E-12
<i>AL583856.1</i>	5.273799	-1.05606	2.41E-13	4.00E-12
<i>KLK5</i>	-4.72689	-2.33407	2.42E-13	4.01E-12
<i>AC013356.1</i>	5.238063	-0.66183	2.91E-13	4.77E-12
<i>DTL</i>	4.85625	4.134924	2.98E-13	4.87E-12

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>AC009831.2</i>	4.273905	-1.52748	2.98E-13	4.87E-12
<i>FAM111B</i>	5.899171	3.355653	3.16E-13	5.16E-12
<i>MDK</i>	4.052039	7.388275	3.21E-13	5.23E-12
<i>GABRA6</i>	-4.16973	-3.52834	3.42E-13	5.56E-12
<i>AC084251.1</i>	6.612142	-1.73308	3.63E-13	5.88E-12
<i>TTK</i>	5.036433	3.551896	3.76E-13	6.08E-12
<i>ORC1</i>	4.228627	2.847034	3.86E-13	6.24E-12
<i>AC140125.2</i>	-4.2017	-2.58827	3.93E-13	6.35E-12
<i>FTLP2</i>	4.407471	2.284762	4.03E-13	6.51E-12
<i>AC008753.1</i>	4.173985	-1.02402	4.36E-13	7.02E-12
<i>AC004147.2</i>	-4.49445	-3.73007	4.99E-13	7.99E-12
<i>AC209007.1</i>	4.703056	-1.13905	5.14E-13	8.21E-12
<i>LINC02192</i>	-4.13904	-2.64276	5.35E-13	8.53E-12
<i>RPL34P27</i>	5.294455	-0.59675	5.40E-13	8.61E-12
<i>LINC01785</i>	-4.57005	-2.27951	6.11E-13	9.69E-12
<i>ESPL1</i>	4.409506	3.685747	6.70E-13	1.06E-11
<i>AC104417.2</i>	-4.24576	-1.83871	7.74E-13	1.22E-11
<i>SDR16C5</i>	-4.08059	-0.64328	8.55E-13	1.34E-11
<i>RPS29P16</i>	4.131821	-0.36944	8.75E-13	1.36E-11
<i>LINC01378</i>	-4.6926	-3.05766	9.10E-13	1.42E-11
<i>AC090136.3</i>	-4.29779	-2.96622	9.85E-13	1.53E-11
<i>NR5A2</i>	4.432146	1.430436	1.01E-12	1.56E-11
<i>RPS11P7</i>	6.856962	-1.52072	1.02E-12	1.57E-11
<i>RPL5P22</i>	5.828791	-1.17639	1.08E-12	1.66E-11
<i>E2F7</i>	4.785069	3.20117	1.24E-12	1.89E-11
<i>AC104212.2</i>	4.592398	-0.92826	1.37E-12	2.07E-11
<i>KIF23</i>	4.13216	4.014576	1.40E-12	2.11E-11
<i>AL138785.1</i>	4.121934	-0.36422	1.41E-12	2.13E-11
<i>AC139491.1</i>	-4.27927	-1.63555	1.58E-12	2.38E-11
<i>AC005885.1</i>	-4.0515	-3.60845	1.59E-12	2.39E-11
<i>MKI67</i>	5.799155	5.543658	1.61E-12	2.42E-11
<i>WARS2-IT1</i>	5.381928	0.655389	1.64E-12	2.46E-11
<i>SNRPD2P1</i>	6.716543	-1.63905	1.74E-12	2.60E-11
<i>CDC25C</i>	4.724266	2.543936	1.75E-12	2.61E-11
<i>AC021079.1</i>	-4.8492	-1.98662	1.86E-12	2.77E-11
<i>IGFBP2</i>	5.796305	9.057967	1.87E-12	2.78E-11
<i>11-Mar</i>	-4.15952	-1.71078	1.90E-12	2.82E-11
<i>AL603882.1</i>	4.774328	-1.49152	1.95E-12	2.89E-11
<i>RPL5P9</i>	4.668959	-0.58349	2.03E-12	3.00E-11
<i>E2F2</i>	5.653788	3.196072	2.07E-12	3.07E-11
<i>HOXA5</i>	9.093912	3.121054	2.09E-12	3.09E-11
<i>AC136759.1</i>	-4.27878	-1.19522	2.09E-12	3.08E-11
<i>AC125807.1</i>	4.310085	0.282614	2.19E-12	3.23E-11
<i>HCRTR2</i>	-4.17176	-3.47346	2.24E-12	3.30E-11
<i>AC022639.1</i>	-4.09323	-3.5577	2.28E-12	3.35E-11
<i>CKAP2L</i>	4.106131	3.723894	2.29E-12	3.37E-11
<i>RPS3AP49</i>	4.534309	0.162735	2.31E-12	3.39E-11
<i>CDCA8</i>	4.106276	4.268417	2.40E-12	3.51E-11
<i>RPL29P33</i>	4.077666	-1.38754	2.85E-12	4.13E-11
<i>AC010468.1</i>	4.027426	1.305708	2.92E-12	4.23E-11
<i>RPL15P14</i>	4.362532	-1.12178	3.03E-12	4.38E-11
<i>ANXA2P2</i>	4.947306	3.398498	3.16E-12	4.55E-11
<i>FOXD3-AS1</i>	7.546785	2.433053	3.81E-12	5.46E-11
<i>CRH</i>	-4.15642	-0.81346	4.04E-12	5.76E-11
<i>AL133163.1</i>	6.451935	-1.86461	4.21E-12	6.00E-11
<i>TMSB4XP4</i>	4.361416	3.400846	4.29E-12	6.10E-11
<i>NOX4</i>	4.241178	2.971922	4.36E-12	6.19E-11
<i>EEF1A1P2</i>	4.894461	-1.38419	4.88E-12	6.88E-11
<i>AP000924.1</i>	9.854987	1.310205	5.04E-12	7.08E-11

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>AL353662.2</i>	4.257165	-0.96248	5.27E-12	7.41E-11
<i>AC022149.1</i>	4.045002	0.560274	5.35E-12	7.50E-11
<i>RPSAP45</i>	4.675108	-1.1752	6.10E-12	8.51E-11
<i>RPL9P32</i>	4.291725	-0.21843	6.58E-12	9.14E-11
<i>AL583805.1</i>	4.683498	-0.82838	7.00E-12	9.68E-11
<i>LINC00507</i>	-4.59254	-0.03754	7.04E-12	9.73E-11
<i>ATP1B3P1</i>	4.396912	-1.8208	7.74E-12	1.07E-10
<i>AC009362.1</i>	4.737498	-1.10891	7.87E-12	1.08E-10
<i>PARP1P1</i>	4.280708	-1.52545	7.97E-12	1.09E-10
<i>ARMCX7P</i>	5.286221	-1.66146	8.36E-12	1.15E-10
<i>AP002982.1</i>	4.972165	-1.92731	8.79E-12	1.20E-10
<i>GSC</i>	7.059698	1.422855	9.44E-12	1.28E-10
<i>RPSAP58</i>	4.095611	-0.89574	1.01E-11	1.37E-10
<i>RPL7AP53</i>	4.92865	-1.35095	1.03E-11	1.39E-10
<i>RPL17P34</i>	4.409975	-1.07505	1.04E-11	1.40E-10
<i>COL4A1</i>	4.812951	8.907572	1.11E-11	1.50E-10
<i>RPS3P6</i>	4.131697	-1.08698	1.13E-11	1.51E-10
<i>RPL18P13</i>	4.023748	-0.94206	1.16E-11	1.55E-10
<i>IGF2BP3</i>	6.178148	3.668629	1.20E-11	1.60E-10
<i>NUF2</i>	4.185812	3.860076	1.21E-11	1.62E-10
<i>RPS7P3</i>	4.560131	-0.95791	1.22E-11	1.64E-10
<i>SNRPFP1</i>	6.173832	-2.10733	1.23E-11	1.65E-10
<i>GPR82</i>	5.601872	1.972454	1.24E-11	1.66E-10
<i>GPR101</i>	-4.09243	-3.62458	1.34E-11	1.78E-10
<i>AL356000.1</i>	4.067432	-1.71234	1.97E-11	2.57E-10
<i>MCM10</i>	4.840374	2.942831	1.98E-11	2.58E-10
<i>AC005476.1</i>	4.453794	-1.76402	1.99E-11	2.59E-10
<i>NCAPH</i>	4.078148	3.965479	2.09E-11	2.71E-10
<i>GJB6</i>	-4.22254	2.152116	2.21E-11	2.86E-10
<i>HOXD-AS2</i>	9.577514	1.037171	2.24E-11	2.90E-10
<i>RPL5P18</i>	4.00355	-1.21528	2.27E-11	2.94E-10
<i>NEIL3</i>	4.335546	2.192502	2.37E-11	3.06E-10
<i>AC093789.1</i>	4.716065	-1.54273	2.38E-11	3.07E-10
<i>NDUFB4P12</i>	4.038032	-1.43076	2.45E-11	3.16E-10
<i>AL359704.1</i>	6.765487	-1.60394	2.46E-11	3.17E-10
<i>Z82196.1</i>	-4.04262	-3.85349	3.03E-11	3.87E-10
<i>ASPM</i>	4.751895	3.931826	3.13E-11	3.98E-10
<i>RPS29P3</i>	4.229566	-0.76317	3.30E-11	4.19E-10
<i>RN7SL471P</i>	-4.22326	-3.39885	3.43E-11	4.34E-10
<i>AC016700.2</i>	4.694077	-0.8217	3.58E-11	4.51E-10
<i>LINC01164</i>	-4.15328	-1.73675	3.59E-11	4.52E-10
<i>CYP4F26P</i>	-4.23122	-3.0824	3.63E-11	4.56E-10
<i>AP005242.4</i>	-4.6752	-2.01643	3.81E-11	4.77E-10
<i>SETP8</i>	4.926457	-1.98297	3.88E-11	4.85E-10
<i>AL136968.2</i>	5.280971	-1.65675	3.94E-11	4.93E-10
<i>HOXA1</i>	6.871074	0.913171	4.03E-11	5.03E-10
<i>RPS27P21</i>	4.2742	-1.21932	4.17E-11	5.19E-10
<i>AC023906.1</i>	4.795212	-1.49044	4.24E-11	5.27E-10
<i>RPS20P10</i>	5.034839	-1.26234	4.24E-11	5.27E-10
<i>HMMR</i>	4.106566	3.403834	4.25E-11	5.28E-10
<i>AC093155.2</i>	5.998713	-2.23376	4.26E-11	5.28E-10
<i>BTF3P4</i>	6.151072	-2.11673	4.29E-11	5.32E-10
<i>APOBEC3B</i>	5.130436	2.035517	4.93E-11	6.07E-10
<i>AC008677.2</i>	4.612073	-1.64424	5.40E-11	6.63E-10
<i>ACTG1P21</i>	4.762213	-2.11411	5.85E-11	7.14E-10
<i>AL603766.1</i>	4.009841	-1.76157	6.03E-11	7.33E-10
<i>PKMP4</i>	4.013935	-1.20033	6.04E-11	7.35E-10
<i>NDUFB9P2</i>	4.038979	-1.40571	6.83E-11	8.26E-10
<i>GSG2</i>	4.116333	1.394124	7.19E-11	8.68E-10

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>ARPC3P5</i>	5.273786	-1.67011	7.34E-11	8.86E-10
<i>SKA3</i>	4.091236	3.408605	7.91E-11	9.50E-10
<i>AL513043.1</i>	4.493298	-0.55167	8.02E-11	9.62E-10
<i>RPL27AP5</i>	4.446036	-1.36192	8.28E-11	9.91E-10
<i>SRIP3</i>	6.377956	-1.93303	8.42E-11	1.01E-09
<i>RPL10P8</i>	4.62737	-1.63242	8.54E-11	1.02E-09
<i>SLC25A6P2</i>	4.876155	-2.01106	1.05E-10	1.24E-09
<i>AC023157.1</i>	4.954445	-0.07602	1.07E-10	1.27E-09
<i>CRNDE</i>	4.758932	3.412858	1.10E-10	1.30E-09
<i>PAICSP4</i>	4.203352	-0.62132	1.10E-10	1.29E-09
<i>AC018523.1</i>	4.861633	-2.02083	1.17E-10	1.37E-09
<i>RPSAP49</i>	4.05178	-1.16515	1.21E-10	1.41E-09
<i>PPIAP13</i>	4.206268	-1.26285	1.24E-10	1.45E-09
<i>WIF1</i>	-4.10788	2.101796	1.26E-10	1.48E-09
<i>AC104212.1</i>	5.376587	-1.58649	1.29E-10	1.51E-09
<i>AC104619.1</i>	4.961357	-1.93635	1.31E-10	1.53E-09
<i>AL590135.1</i>	6.73385	-1.62999	1.50E-10	1.74E-09
<i>RPL13P2</i>	4.163149	-1.63219	1.52E-10	1.76E-09
<i>SPC24</i>	4.071914	4.140927	1.53E-10	1.76E-09
<i>CENPM</i>	4.019525	3.301555	1.60E-10	1.85E-09
<i>HOXA3</i>	9.126201	2.647959	1.62E-10	1.86E-09
<i>SERBP1P6</i>	4.038118	-1.72766	1.72E-10	1.97E-09
<i>AC008568.2</i>	-5.53896	-3.80528	1.75E-10	2.00E-09
<i>HOXD10</i>	11.43531	2.874411	1.84E-10	2.11E-09
<i>AL590609.2</i>	4.819523	-2.04856	2.08E-10	2.36E-09
<i>RPL5P5</i>	4.364918	-1.13314	2.09E-10	2.38E-09
<i>AC010409.2</i>	5.062544	-1.85271	2.10E-10	2.39E-09
<i>AC090281.1</i>	4.165181	-2.01608	2.17E-10	2.46E-09
<i>AL353151.1</i>	5.463682	-1.51295	2.23E-10	2.52E-09
<i>RPL10P5</i>	6.166636	-2.10296	2.25E-10	2.54E-09
<i>RPL23AP75</i>	4.676423	-2.16864	2.29E-10	2.58E-09
<i>AC011933.1</i>	6.088697	-2.16844	2.41E-10	2.72E-09
<i>AL109741.2</i>	4.238338	-1.25473	2.63E-10	2.94E-09
<i>GAPDHP64</i>	4.254486	-1.24171	2.65E-10	2.96E-09
<i>RPS4XP8</i>	5.203303	-1.73734	2.66E-10	2.97E-09
<i>RPS12P23</i>	4.646168	-1.60782	2.71E-10	3.02E-09
<i>SLC25A5P2</i>	4.358091	-1.85615	2.87E-10	3.18E-09
<i>RPL18AP16</i>	4.077583	-1.38892	2.93E-10	3.24E-09
<i>AC239600.2</i>	5.08429	-1.84123	2.99E-10	3.31E-09
<i>AKR1B1P7</i>	5.814973	-2.38913	3.09E-10	3.41E-09
<i>RPSAP46</i>	4.005762	-0.96039	3.27E-10	3.60E-09
<i>AC010904.1</i>	6.031798	-2.21439	3.34E-10	3.67E-09
<i>RPS19P7</i>	4.52851	-1.70859	3.38E-10	3.71E-09
<i>AC008427.1</i>	5.2725	-1.69099	3.39E-10	3.72E-09
<i>RPS27P29</i>	4.224621	-1.56773	3.42E-10	3.75E-09
<i>PHBP11</i>	4.006641	-2.14735	3.52E-10	3.85E-09
<i>AC005519.1</i>	5.972707	-2.26564	3.69E-10	4.02E-09
<i>HAS2</i>	4.068221	4.307687	3.83E-10	4.18E-09
<i>PCDH11Y</i>	-4.11628	-0.37556	4.00E-10	4.34E-09
<i>HOXD9</i>	9.710269	2.525143	4.45E-10	4.81E-09
<i>AC106730.1</i>	4.782207	-1.48717	4.56E-10	4.91E-09
<i>AC109327.1</i>	5.990631	-2.24858	4.59E-10	4.94E-09
<i>ANXA2</i>	4.085506	8.852723	5.58E-10	5.94E-09
<i>LINC01579</i>	4.746309	4.247408	5.71E-10	6.07E-09
<i>HOXA-AS3</i>	8.851288	0.330535	6.33E-10	6.71E-09
<i>RPL12P33</i>	4.377089	-1.84158	6.35E-10	6.72E-09
<i>AC036111.1</i>	-4.10068	-3.6338	6.65E-10	7.02E-09
<i>AC005521.1</i>	5.826038	-2.38136	6.80E-10	7.17E-09
<i>FRRS1</i>	4.15515	1.1103	7.35E-10	7.69E-09

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>EN1</i>	8.326209	3.011912	7.60E-10	7.92E-09
<i>NKX2-5</i>	9.941175	2.806454	8.66E-10	8.95E-09
<i>HOXA10</i>	9.011978	3.016109	8.81E-10	9.10E-09
<i>AC055716.2</i>	4.14972	-2.04052	8.93E-10	9.22E-09
<i>AC104849.1</i>	4.276544	-1.92698	1.04E-09	1.06E-08
<i>RPL24P7</i>	4.172333	-1.60924	1.07E-09	1.09E-08
<i>ATP5A1P2</i>	4.359644	-1.8542	1.14E-09	1.16E-08
<i>AC096664.2</i>	4.509702	-1.73036	1.19E-09	1.21E-08
<i>HNRNPA1P2</i>	5.732605	-2.46191	1.24E-09	1.25E-08
<i>ATP5LP2</i>	4.379363	-1.83898	1.27E-09	1.29E-08
<i>RAC1P4</i>	4.038205	-2.12279	1.37E-09	1.38E-08
<i>PRDX2P4</i>	4.179602	-2.00683	1.64E-09	1.63E-08
<i>HIST2H4A</i>	5.351887	-1.61419	2.04E-09	2.00E-08
<i>AC025181.1</i>	5.992724	-2.24409	2.05E-09	2.01E-08
<i>RPL3P12</i>	4.200073	-1.9974	2.10E-09	2.06E-08
<i>PLP2</i>	4.089681	6.471026	2.15E-09	2.10E-08
<i>AL031229.1</i>	5.927566	-2.29524	2.17E-09	2.12E-08
<i>HSPD1P6</i>	4.338273	-0.71939	2.35E-09	2.28E-08
<i>GPR65</i>	4.077542	3.623821	2.78E-09	2.67E-08
<i>AC067863.1</i>	5.865157	-2.34426	2.78E-09	2.67E-08
<i>UHRF1</i>	4.151934	5.352654	2.92E-09	2.80E-08
<i>AC125611.4</i>	4.252512	-0.57371	3.14E-09	3.00E-08
<i>RPL23AP58</i>	4.416365	-2.37002	3.26E-09	3.12E-08
<i>AC090602.1</i>	4.118705	-1.66125	3.33E-09	3.18E-08
<i>AL590640.2</i>	5.85028	-2.36039	3.34E-09	3.19E-08
<i>RPS18P13</i>	4.970202	-1.94394	3.38E-09	3.22E-08
<i>AC006970.1</i>	4.308964	-1.19577	3.57E-09	3.39E-08
<i>AP003097.1</i>	4.666949	-2.18795	3.66E-09	3.46E-08
<i>HOXA6</i>	8.796691	0.278718	3.89E-09	3.67E-08
<i>TFPI</i>	4.169326	5.31003	3.90E-09	3.68E-08
<i>AC026700.1</i>	4.043546	-2.13283	3.91E-09	3.69E-08
<i>ADAMDEC1</i>	9.393591	2.246505	4.13E-09	3.88E-08
<i>AC096915.1</i>	5.819198	-2.37959	4.38E-09	4.10E-08
<i>GPX8</i>	4.854323	4.423627	4.44E-09	4.14E-08
<i>CLIC4P1</i>	4.351875	-1.46526	4.45E-09	4.15E-08
<i>SEC11B</i>	4.652699	-2.19286	4.54E-09	4.23E-08
<i>HNRNPH1P3</i>	4.444491	-2.37342	4.57E-09	4.25E-08
<i>EEF1A1P42</i>	5.820933	-2.3848	4.62E-09	4.30E-08
<i>BX322784.1</i>	4.17001	-2.03155	5.07E-09	4.68E-08
<i>PDPN</i>	4.348121	8.217061	5.08E-09	4.69E-08
<i>RPS3AP5</i>	5.004261	2.818164	5.46E-09	5.01E-08
<i>AL354710.1</i>	4.014875	-1.74578	5.60E-09	5.13E-08
<i>HOTAIRM1</i>	5.880057	3.114638	5.73E-09	5.24E-08
<i>RPSAP2</i>	5.692996	-2.48028	5.81E-09	5.30E-08
<i>AC023232.1</i>	5.64557	-2.51522	6.14E-09	5.58E-08
<i>AC090692.1</i>	5.971608	2.38092	6.53E-09	5.90E-08
<i>AL357055.1</i>	4.221339	-1.96522	6.69E-09	6.03E-08
<i>RPL29P2</i>	4.59061	-2.24254	7.82E-09	7.00E-08
<i>AL355974.2</i>	4.829839	5.591018	7.84E-09	7.02E-08
<i>RPL8P2</i>	4.675867	-2.17559	7.92E-09	7.08E-08
<i>RPSAP6</i>	4.833834	-2.05973	8.01E-09	7.15E-08
<i>ANXA1</i>	4.109299	8.418463	8.68E-09	7.70E-08
<i>CBX3P1</i>	5.67693	-2.50236	8.81E-09	7.81E-08
<i>Z99714.1</i>	6.174564	-2.10382	9.10E-09	8.05E-08
<i>KIF18B</i>	4.043995	4.25684	9.64E-09	8.51E-08
<i>RPL10P13</i>	5.897443	-2.32422	9.82E-09	8.65E-08
<i>RPS2P28</i>	4.440811	-2.36931	1.01E-08	8.86E-08
<i>RPL12P13</i>	4.577013	-2.24982	1.06E-08	9.24E-08
<i>AC069236.1</i>	4.447268	-2.36655	1.15E-08	1.00E-07



Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>AKR1B1P2</i>	4.427148	-2.37064	1.24E-08	1.07E-07
<i>SNRPEP4</i>	5.294253	1.219212	1.28E-08	1.10E-07
<i>LINC02308</i>	6.1536	0.603025	1.30E-08	1.12E-07
<i>RPS15AP5</i>	5.777662	-2.41644	1.33E-08	1.14E-07
<i>HOXD11</i>	8.912239	1.793438	1.41E-08	1.21E-07
<i>AC006463.2</i>	4.637972	-1.20839	1.51E-08	1.29E-07
<i>AL358176.3</i>	4.107928	-2.05486	1.61E-08	1.38E-07
<i>HOXA-AS2</i>	8.516712	2.010338	1.70E-08	1.45E-07
<i>CPXM1</i>	4.046218	6.314831	1.76E-08	1.50E-07
<i>EEF1A1P15</i>	4.539477	-2.27901	1.78E-08	1.51E-07
<i>CSTA</i>	5.00454	2.043824	1.85E-08	1.56E-07
<i>RPL12P2</i>	5.908048	-2.30721	1.87E-08	1.58E-07
<i>SPINK8</i>	4.810516	1.963368	2.14E-08	1.80E-07
<i>KC877373.1</i>	5.480792	-2.64087	2.32E-08	1.94E-07
<i>HOXC10</i>	9.373958	3.443385	2.38E-08	1.98E-07
<i>AC007690.1</i>	5.613549	-2.54186	2.42E-08	2.02E-07
<i>AL121886.1</i>	4.046843	-1.72342	2.48E-08	2.06E-07
<i>FTLP17</i>	4.000977	-1.46088	2.72E-08	2.25E-07
<i>RBBP4P4</i>	4.373629	-2.41971	2.92E-08	2.41E-07
<i>HOXB7</i>	7.851412	2.742057	2.94E-08	2.42E-07
<i>AL445363.3</i>	5.532531	-2.60551	2.95E-08	2.43E-07
<i>AC079834.1</i>	5.441498	-2.66471	3.00E-08	2.47E-07
<i>AL121766.1</i>	5.451377	-2.67423	3.11E-08	2.55E-07
<i>RPS26P15</i>	4.210573	-1.29142	3.17E-08	2.59E-07
<i>EIF4A1P9</i>	4.134186	-2.59931	3.36E-08	2.74E-07
<i>CLIC4P3</i>	4.846675	-2.03609	3.48E-08	2.84E-07
<i>AC083904.1</i>	4.198703	-2.54774	3.55E-08	2.89E-07
<i>CHCHD2P8</i>	7.215519	-1.21287	3.66E-08	2.98E-07
<i>AC112777.1</i>	4.368355	0.968317	4.01E-08	3.24E-07
<i>LDHAP1</i>	5.653794	-2.52116	4.13E-08	3.33E-07
<i>AC010677.1</i>	5.595688	-2.55743	4.19E-08	3.38E-07
<i>AC003684.1</i>	-4.2243	-3.84347	4.25E-08	3.42E-07
<i>MS4A6A</i>	4.246318	6.603785	4.27E-08	3.44E-07
<i>HOXD8</i>	8.34059	2.759799	4.38E-08	3.51E-07
<i>ATP6V1B1</i>	4.215307	1.767883	4.43E-08	3.55E-07
<i>AC104843.1</i>	4.553102	-2.27643	4.55E-08	3.64E-07
<i>HOXA7</i>	8.847233	1.723266	4.60E-08	3.68E-07
<i>SEPT7P8</i>	4.510686	-2.30937	4.62E-08	3.69E-07
<i>RPS23P2</i>	5.469459	-2.64705	4.66E-08	3.72E-07
<i>AC090058.1</i>	4.423197	-2.37486	4.80E-08	3.83E-07
<i>AC116049.1</i>	4.054704	-1.41031	4.97E-08	3.95E-07
<i>HOXC6</i>	6.754082	1.602556	5.05E-08	4.01E-07
<i>DPEP1</i>	6.69291	3.156828	5.12E-08	4.06E-07
<i>PITX1</i>	7.994203	2.899021	5.40E-08	4.26E-07
<i>AC015911.1</i>	6.126732	-2.14583	5.51E-08	4.34E-07
<i>AC018463.1</i>	4.209304	-2.54965	5.74E-08	4.51E-07
<i>HIST1H2BH</i>	6.03507	-0.3608	6.15E-08	4.81E-07
<i>MT2P1</i>	4.174047	1.909757	6.18E-08	4.82E-07
<i>RPL7P10</i>	4.293873	-2.47683	6.67E-08	5.17E-07
<i>RPS7P8</i>	4.563944	-2.25818	6.70E-08	5.19E-07
<i>EIF4A1P6</i>	4.165969	-2.57088	6.70E-08	5.19E-07
<i>AC125238.2</i>	5.227166	-2.83367	6.73E-08	5.21E-07
<i>METTL7B</i>	5.644018	7.10811	7.94E-08	6.09E-07
<i>HOXB3</i>	7.20591	4.090894	8.55E-08	6.52E-07
<i>HMG2P21</i>	5.51136	-2.62471	8.74E-08	6.66E-07
<i>AC008549.3</i>	5.282607	-2.79059	9.84E-08	7.45E-07
<i>RPL36AP21</i>	4.366535	-2.42995	1.00E-07	7.56E-07
<i>SRPX2</i>	5.308048	5.230333	1.02E-07	7.72E-07
<i>AP000529.1</i>	4.256932	-2.50755	1.02E-07	7.68E-07

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>HSBP1P2</i>	5.445078	-2.66139	1.10E-07	8.28E-07
<i>AL138878.2</i>	5.459648	-2.66534	1.15E-07	8.62E-07
<i>AL132777.1</i>	5.633567	-2.53859	1.18E-07	8.77E-07
<i>AL022718.1</i>	4.329563	-1.8888	1.18E-07	8.77E-07
<i>AC007686.1</i>	4.813357	-2.07656	1.21E-07	9.01E-07
<i>HOXA2</i>	9.187633	2.001029	1.33E-07	9.85E-07
<i>HMG2P19</i>	5.514496	-2.62539	1.40E-07	1.03E-06
<i>AL512422.1</i>	4.03725	-2.11558	1.41E-07	1.04E-06
<i>CTBP2P4</i>	4.170234	-2.58926	1.42E-07	1.04E-06
<i>AL450996.1</i>	4.203919	-2.53615	1.52E-07	1.12E-06
<i>TIMP4</i>	4.35706	6.663	1.52E-07	1.11E-06
<i>AL590004.2</i>	5.392464	-2.70437	1.77E-07	1.29E-06
<i>AC106806.1</i>	4.549894	-2.27192	1.89E-07	1.37E-06
<i>MMP9</i>	7.251337	5.615945	1.92E-07	1.39E-06
<i>RPL12P1</i>	5.226374	-2.83367	1.93E-07	1.39E-06
<i>NKX3-2</i>	6.632657	0.633816	1.97E-07	1.42E-06
<i>AC024451.1</i>	5.29043	-2.78608	2.45E-07	1.74E-06
<i>AC008802.1</i>	5.00098	-1.91639	2.46E-07	1.75E-06
<i>RPS29P11</i>	5.428529	-2.68255	2.54E-07	1.80E-06
<i>AC003071.1</i>	5.774831	-2.42334	2.78E-07	1.96E-06
<i>TGFBI</i>	5.075116	8.205886	2.85E-07	2.01E-06
<i>AC026410.2</i>	5.569276	-2.5794	3.09E-07	2.17E-06
<i>HOXA4</i>	8.505819	2.048912	3.09E-07	2.17E-06
<i>AL136226.1</i>	4.250815	-2.51234	3.34E-07	2.32E-06
<i>HOXD13</i>	9.863013	2.734584	3.43E-07	2.38E-06
<i>RPS3AP29</i>	5.274	-2.78763	3.57E-07	2.48E-06
<i>C21orf62</i>	4.219231	5.409172	3.80E-07	2.62E-06
<i>MDF1</i>	4.131092	5.66521	3.85E-07	2.65E-06
<i>HIST2H2AA4</i>	6.109571	-2.16733	3.95E-07	2.71E-06
<i>RPS5P3</i>	4.605877	-2.23851	3.97E-07	2.72E-06
<i>IRX5</i>	5.457354	1.474321	4.46E-07	3.03E-06
<i>RPL7P58</i>	5.309821	-2.77116	4.74E-07	3.21E-06
<i>AL163973.1</i>	5.560581	-2.5879	4.84E-07	3.27E-06
<i>OTP</i>	6.97072	2.367085	4.93E-07	3.33E-06
<i>RPS27AP3</i>	5.242652	-2.80694	4.95E-07	3.33E-06
<i>AP001086.1</i>	4.2522	-2.50212	5.15E-07	3.46E-06
<i>CEACAM5</i>	-4.04681	-3.54537	5.18E-07	3.48E-06
<i>IMMTP1</i>	5.207695	-2.84388	5.30E-07	3.56E-06
<i>ABCC3</i>	5.228133	6.226858	5.67E-07	3.79E-06
<i>AC012005.1</i>	6.061991	-2.20628	5.83E-07	3.89E-06
<i>PHBP8</i>	5.134047	-2.89745	5.97E-07	3.97E-06
<i>AC106800.2</i>	4.282813	-2.49817	6.15E-07	4.09E-06
<i>ILF2P1</i>	4.001806	-2.69254	6.29E-07	4.18E-06
<i>HOXA11</i>	9.449497	0.907108	6.75E-07	4.46E-06
<i>FCGBP</i>	4.221122	8.933002	6.95E-07	4.58E-06
<i>AC019129.1</i>	5.341279	-2.7492	6.99E-07	4.61E-06
<i>LINC01587</i>	6.292503	-0.78986	7.03E-07	4.63E-06
<i>RPSAP21</i>	4.251672	-2.51265	7.29E-07	4.79E-06
<i>HOXC-AS2</i>	8.350419	-0.15093	7.32E-07	4.80E-06
<i>MEOX2</i>	5.998259	5.116169	7.63E-07	4.99E-06
<i>SDHCP4</i>	4.161818	-2.57826	7.89E-07	5.14E-06
<i>HOXC9</i>	7.665491	1.233005	7.92E-07	5.16E-06
<i>HOXC11</i>	10.11448	1.566613	8.21E-07	5.33E-06
<i>AL096829.1</i>	4.107136	-2.61101	8.45E-07	5.47E-06
<i>HIST2H2AA3</i>	6.223646	-2.0747	8.49E-07	5.49E-06
<i>ARPC3P2</i>	4.029707	-2.67253	8.82E-07	5.69E-06
<i>RPL36AP13</i>	5.403324	-2.69915	9.12E-07	5.87E-06
<i>RPL35AP21</i>	4.206961	-2.54007	9.33E-07	6.00E-06
<i>CYP19A1</i>	4.644045	2.315238	9.49E-07	6.09E-06

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>OSR2</i>	4.997151	1.107727	1.03E-06	6.59E-06
<i>RAET1K</i>	4.885922	-2.00586	1.03E-06	6.58E-06
<i>EEF1GP4</i>	4.921084	-3.03623	1.03E-06	6.57E-06
<i>TFAP2A-AS1</i>	5.051285	0.926768	1.03E-06	6.55E-06
<i>AL355974.3</i>	4.287479	1.850146	1.10E-06	7.00E-06
<i>AC093422.1</i>	4.143936	-2.58258	1.12E-06	7.10E-06
<i>AC092418.1</i>	5.319425	-2.75974	1.14E-06	7.22E-06
<i>AL354919.2</i>	5.531246	1.786056	1.16E-06	7.32E-06
<i>AC091042.1</i>	4.295726	-2.47874	1.16E-06	7.31E-06
<i>AL357084.1</i>	5.515655	-2.61639	1.24E-06	7.77E-06
<i>AC008696.1</i>	5.202255	-2.85639	1.30E-06	8.12E-06
<i>CCT6P2</i>	4.514442	-0.15463	1.31E-06	8.22E-06
<i>HIST1H3G</i>	7.813704	-0.68267	1.44E-06	8.99E-06
<i>HIST2H4B</i>	5.646736	-2.53194	1.55E-06	9.58E-06
<i>RPS7P15</i>	4.277651	-2.5045	1.64E-06	1.01E-05
<i>LINC01451</i>	4.136581	-1.3399	1.70E-06	1.05E-05
<i>LINC01956</i>	6.291681	-0.1392	1.74E-06	1.07E-05
<i>RSL24D1P1</i>	5.281044	-2.79249	1.76E-06	1.08E-05
<i>EEF1A1P26</i>	4.221111	-2.53389	1.79E-06	1.10E-05
<i>SPOCD1</i>	5.060742	6.587817	1.80E-06	1.10E-05
<i>AC005242.1</i>	5.164503	-2.86636	1.81E-06	1.11E-05
<i>RPL26P37</i>	4.258653	-2.51293	1.85E-06	1.13E-05
<i>APOL4</i>	4.479693	5.599618	1.85E-06	1.13E-05
<i>AC016894.1</i>	4.89646	-3.04762	1.86E-06	1.13E-05
<i>RPS10P14</i>	4.211019	-2.53823	1.87E-06	1.14E-05
<i>CKS1BP3</i>	4.230903	-2.5308	2.07E-06	1.25E-05
<i>CFAP77</i>	5.684033	1.856637	2.12E-06	1.28E-05
<i>RPS26P47</i>	4.837909	-0.68241	2.12E-06	1.28E-05
<i>HOXD4</i>	6.608768	-0.45286	2.16E-06	1.31E-05
<i>HOXB4</i>	8.447624	2.439666	2.19E-06	1.32E-05
<i>HOXC8</i>	7.115981	0.650927	2.35E-06	1.41E-05
<i>HP</i>	9.19322	4.464962	2.44E-06	1.46E-05
<i>FOXD3</i>	6.45272	1.123908	2.74E-06	1.62E-05
<i>FTLP15</i>	4.486815	-2.33636	2.94E-06	1.73E-05
<i>AL513175.2</i>	5.013314	-2.98644	2.98E-06	1.75E-05
<i>LINC00704</i>	4.980697	-1.95497	3.12E-06	1.83E-05
<i>SAP18P2</i>	5.088706	-2.92016	3.13E-06	1.83E-05
<i>AC092324.1</i>	5.196959	-2.84996	3.40E-06	1.98E-05
<i>HOXB2</i>	6.342341	3.363228	3.48E-06	2.02E-05
<i>AC020658.1</i>	4.971278	-3.0063	3.48E-06	2.02E-05
<i>FABP5P7</i>	4.525404	1.464837	3.80E-06	2.19E-05
<i>AC124856.1</i>	5.159439	-2.87597	3.85E-06	2.22E-05
<i>AC093895.1</i>	7.518436	0.428738	3.97E-06	2.28E-05
<i>MTHFD2P7</i>	5.267126	-2.80715	3.97E-06	2.28E-05
<i>LAPTM4BP2</i>	5.098153	-2.93071	4.14E-06	2.37E-05
<i>AC018553.1</i>	5.576012	-1.42704	4.21E-06	2.40E-05
<i>AC025176.1</i>	4.846223	-2.03659	4.40E-06	2.50E-05
<i>FABP5P1</i>	4.555399	-0.94372	4.46E-06	2.53E-05
<i>HOTAIR</i>	8.961539	1.821478	4.51E-06	2.56E-05
<i>RPL7P59</i>	4.042916	-2.66817	4.68E-06	2.64E-05
<i>AC108114.1</i>	4.922501	-3.03806	4.87E-06	2.74E-05
<i>HOXD3</i>	5.063537	-0.77724	5.04E-06	2.83E-05
<i>ATP5F1P6</i>	4.016085	-2.67804	5.20E-06	2.91E-05
<i>AL713998.1</i>	5.646228	-2.52988	5.24E-06	2.93E-05
<i>AC093270.2</i>	4.938756	-3.02255	5.44E-06	3.03E-05
<i>AL022342.1</i>	4.822695	-3.11382	5.48E-06	3.05E-05
<i>LINC01571</i>	6.048141	-1.01897	5.68E-06	3.16E-05
<i>AC006539.1</i>	4.93678	-3.02641	5.84E-06	3.24E-05
<i>MS4A4E</i>	4.104407	-0.23778	6.15E-06	3.40E-05

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>KPNA2P1</i>	4.971935	-3.00479	6.15E-06	3.40E-05
<i>SDHCP2</i>	4.838729	-3.09357	6.52E-06	3.58E-05
<i>LEFTY2</i>	4.708027	3.072627	6.56E-06	3.61E-05
<i>BARHL1</i>	6.077406	-0.97279	6.75E-06	3.70E-05
<i>AC017013.1</i>	4.812344	-3.11036	7.08E-06	3.87E-05
<i>AL512310.7</i>	4.932991	-3.03323	7.11E-06	3.88E-05
<i>LYZ</i>	4.278857	5.569463	7.21E-06	3.93E-05
<i>AC090142.1</i>	4.690964	-3.17219	7.39E-06	4.02E-05
<i>AC005019.1</i>	4.972146	-3.00284	7.42E-06	4.03E-05
<i>NNMT</i>	5.512877	6.987476	7.43E-06	4.04E-05
<i>CHI3L1</i>	6.112445	12.12975	7.49E-06	4.06E-05
<i>AC026798.1</i>	5.046128	-2.95382	7.81E-06	4.23E-05
<i>AC022784.3</i>	5.633064	-2.54425	8.21E-06	4.43E-05
<i>EVX2</i>	6.014482	-1.04959	8.22E-06	4.44E-05
<i>AC008412.1</i>	4.75631	-3.15053	8.65E-06	4.64E-05
<i>LOXL2</i>	4.031154	6.250179	8.68E-06	4.66E-05
<i>SIX1</i>	4.236355	3.189295	9.19E-06	4.91E-05
<i>PLEKHS1</i>	5.84518	0.959928	9.32E-06	4.98E-05
<i>TECRP2</i>	4.733658	-3.15819	9.40E-06	5.01E-05
<i>LINC02266</i>	4.284426	-1.23748	9.43E-06	5.03E-05
<i>AC139085.1</i>	5.102413	-2.91977	9.44E-06	5.03E-05
<i>AL161781.1</i>	4.943837	-3.01738	9.90E-06	5.25E-05
<i>RPS15AP17</i>	4.149787	-2.04068	9.92E-06	5.26E-05
<i>RPL31P35</i>	4.903174	-3.05343	1.09E-05	5.76E-05
<i>RPL34P26</i>	5.084464	-2.93105	1.12E-05	5.89E-05
<i>RPL5P32</i>	4.001934	-2.69881	1.13E-05	5.93E-05
<i>AL714022.1</i>	5.086029	-2.93029	1.16E-05	6.07E-05
<i>AC013404.1</i>	4.882539	-3.06624	1.19E-05	6.22E-05
<i>AC135068.6</i>	4.957999	-3.00656	1.22E-05	6.36E-05
<i>RPA2P2</i>	4.649916	-3.20607	1.26E-05	6.55E-05
<i>PRR32</i>	5.52207	-0.04438	1.33E-05	6.88E-05
<i>LOX</i>	4.385315	5.935936	1.35E-05	6.98E-05
<i>HOXB-AS1</i>	5.299888	0.866466	1.36E-05	7.01E-05
<i>AC096631.2</i>	4.663579	-3.20863	1.37E-05	7.06E-05
<i>HOXC13</i>	8.819674	1.629414	1.42E-05	7.28E-05
<i>CLEC12A</i>	4.350617	0.926829	1.46E-05	7.46E-05
<i>LINC01993</i>	5.255111	-0.32352	1.49E-05	7.60E-05
<i>AC015689.2</i>	4.850778	-3.09604	1.50E-05	7.65E-05
<i>TREML3P</i>	5.32411	-0.56591	1.57E-05	8.00E-05
<i>AC093663.1</i>	5.009271	-2.97953	1.61E-05	8.15E-05
<i>HAND2</i>	7.32438	1.706249	1.67E-05	8.45E-05
<i>HOXC-AS1</i>	8.440667	-0.06293	1.67E-05	8.44E-05
<i>FCGR2B</i>	4.533639	3.762577	1.72E-05	8.68E-05
<i>LINC02207</i>	4.954341	-0.63434	1.72E-05	8.65E-05
<i>LHX9</i>	5.382995	2.523596	1.77E-05	8.88E-05
<i>AC092112.1</i>	4.34698	-0.92271	1.80E-05	9.03E-05
<i>AP004217.1</i>	5.24185	-2.82896	1.81E-05	9.07E-05
<i>ADAMTS12</i>	4.131103	2.94382	1.89E-05	9.44E-05
<i>RPL23AP77</i>	4.762946	-3.14298	1.90E-05	9.46E-05
<i>AC020905.1</i>	6.103274	-2.17337	1.94E-05	9.65E-05
<i>GYG1P3</i>	4.733305	-3.16688	1.96E-05	9.74E-05
<i>AL672212.1</i>	4.919436	-3.04177	2.00E-05	9.93E-05
<i>FAM60CP</i>	5.092594	-2.93577	2.02E-05	9.99E-05
<i>AL512785.1</i>	5.370707	0.318539	2.05E-05	0.000101
<i>HOXA11-AS</i>	7.136534	0.045412	2.06E-05	0.000102
<i>DDX50P2</i>	4.553779	-3.28285	2.14E-05	0.000106
<i>HOXA9</i>	8.340168	1.241375	2.14E-05	0.000105
<i>CD163</i>	4.544305	7.769173	2.19E-05	0.000108
<i>AL035446.1</i>	5.531622	1.727634	2.29E-05	0.000112

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>CLEC4E</i>	4.022428	1.80649	2.31E-05	0.000113
<i>AK2P2</i>	4.631785	-3.22346	2.36E-05	0.000116
<i>IGFBP3</i>	4.404345	8.541853	2.45E-05	0.00012
<i>CDK5P1</i>	4.68616	-3.19426	2.50E-05	0.000122
<i>RPL34P1</i>	4.929569	-3.03251	2.51E-05	0.000122
<i>RPL10AP3</i>	4.839256	-3.08971	2.53E-05	0.000123
<i>OR51E1</i>	4.16338	1.128517	2.59E-05	0.000126
<i>AC093142.1</i>	4.701795	-3.1769	2.62E-05	0.000127
<i>AC025211.1</i>	5.888736	-2.34369	2.66E-05	0.000129
<i>IBSP</i>	5.882205	4.280954	2.72E-05	0.000131
<i>CA9</i>	5.328611	4.339169	2.76E-05	0.000133
<i>AL024493.1</i>	4.744029	-3.15528	2.78E-05	0.000134
<i>LAPTM4BP1</i>	4.612046	-3.24289	2.86E-05	0.000137
<i>IL1R2</i>	5.469063	1.879576	2.86E-05	0.000137
<i>RPL23AP83</i>	4.694015	-3.17323	2.93E-05	0.00014
<i>AC087564.1</i>	5.864376	-0.49171	2.99E-05	0.000143
<i>MEOX2-AS1</i>	5.557925	2.738519	3.02E-05	0.000144
<i>AC098828.1</i>	4.711947	-3.1688	3.09E-05	0.000147
<i>AC008694.2</i>	4.989927	-2.99611	3.15E-05	0.00015
<i>RPL19P11</i>	4.746516	-3.15637	3.23E-05	0.000153
<i>GDF15</i>	4.144603	4.153415	3.23E-05	0.000153
<i>AC078850.1</i>	5.327993	-1.62479	3.31E-05	0.000157
<i>RPS26P38</i>	5.143341	-2.89857	3.36E-05	0.000159
<i>AL591846.1</i>	5.117983	3.276519	3.48E-05	0.000164
<i>HPD</i>	4.521652	2.108334	3.52E-05	0.000165
<i>AL049871.1</i>	4.17602	0.140056	3.76E-05	0.000176
<i>RHAG</i>	4.019014	-2.68486	3.82E-05	0.000178
<i>TGM5</i>	5.246815	1.424456	3.88E-05	0.000181
<i>TREM1</i>	4.780072	4.197106	3.89E-05	0.000182
<i>FOXJ1</i>	4.490318	5.413624	3.93E-05	0.000183
<i>HOXC-AS3</i>	6.856852	-1.52499	4.13E-05	0.000192
<i>AC108075.1</i>	4.601212	-3.24529	4.22E-05	0.000196
<i>IL21-AS1</i>	6.738431	-1.63593	4.31E-05	0.000199
<i>AC010719.1</i>	4.45457	-1.37051	4.33E-05	0.0002
<i>SMARCE1P3</i>	4.495789	-3.31086	4.40E-05	0.000203
<i>IQCA1-AS1</i>	4.364833	-1.86296	4.47E-05	0.000206
<i>HNRNPCL2</i>	4.647007	-3.22645	4.63E-05	0.000213
<i>LTF</i>	8.465515	9.3678	4.63E-05	0.000213
<i>MESTP3</i>	4.065684	-2.12814	4.63E-05	0.000213
<i>POSTN</i>	7.306339	7.875898	4.96E-05	0.000227
<i>SCNN1B</i>	6.651796	2.688949	4.98E-05	0.000228
<i>UBD</i>	5.291483	0.851489	4.99E-05	0.000228
<i>HOXB6</i>	6.66119	0.29451	5.08E-05	0.000232
<i>RPL38P3</i>	4.66389	-3.19701	5.13E-05	0.000233
<i>HMGN2P20</i>	4.592865	-3.25032	5.16E-05	0.000235
<i>IGF2BP2</i>	4.011716	4.260429	5.30E-05	0.000241
<i>BX640514.2</i>	4.958108	-0.9013	5.46E-05	0.000247
<i>API5P2</i>	4.427054	-3.35451	5.55E-05	0.000251
<i>EGFR</i>	5.364297	10.66529	5.56E-05	0.000252
<i>AC041040.1</i>	4.191688	-1.65381	5.69E-05	0.000257
<i>GALNT5</i>	5.368728	2.38175	5.72E-05	0.000258
<i>HOXC5</i>	6.097035	-2.17647	5.76E-05	0.00026
<i>PRELID3BP10</i>	4.599897	-3.24604	5.89E-05	0.000265
<i>COL3A1</i>	6.158331	9.359532	5.97E-05	0.000268
<i>CXCL10</i>	4.75245	4.612904	6.22E-05	0.000278
<i>FP236241.1</i>	4.7401	-3.15014	6.47E-05	0.000289
<i>MESTP4</i>	4.974282	-3.01142	6.48E-05	0.000289
<i>AC023194.2</i>	4.414299	-3.34804	6.59E-05	0.000294
<i>NPM1P31</i>	4.445483	-3.33556	6.70E-05	0.000298

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>TNPO1P2</i>	4.429262	-3.34902	7.15E-05	0.000316
<i>IRX3</i>	4.645422	2.270852	7.22E-05	0.000319
<i>RPL5P26</i>	4.511232	-3.29574	7.29E-05	0.000321
<i>GATA4</i>	8.262282	1.110833	7.36E-05	0.000325
<i>CA3</i>	6.221744	5.675237	7.37E-05	0.000325
<i>HLA-DQA2</i>	5.15635	3.858374	7.48E-05	0.000329
<i>LINC01198</i>	6.758764	1.361981	7.49E-05	0.000329
<i>AL606970.4</i>	7.059418	-1.35093	7.74E-05	0.00034
<i>OR2B6</i>	4.470455	-1.76096	7.87E-05	0.000345
<i>SAA1</i>	8.857348	5.625575	7.95E-05	0.000348
<i>AC009336.2</i>	6.756678	-1.61296	8.04E-05	0.000351
<i>HOXA13</i>	6.318615	1.633444	8.24E-05	0.000359
<i>CHI3L2</i>	4.708477	8.494782	8.37E-05	0.000364
<i>RPL7P36</i>	4.595715	-3.24605	8.72E-05	0.000377
<i>FABP5P10</i>	5.241601	-2.83328	8.83E-05	0.000382
<i>GJA3</i>	4.551258	0.765773	9.97E-05	0.000427
<i>AC127526.2</i>	4.642904	-3.21554	9.98E-05	0.000427
<i>SLAMF9</i>	4.782065	0.50912	0.000102	0.000435
<i>PABPC1P10</i>	4.391436	-3.36922	0.000102	0.000437
<i>ABCA13</i>	5.207855	1.979666	0.000103	0.000439
<i>SMARCE1P1</i>	4.417027	-3.35514	0.000105	0.000449
<i>MFAP2</i>	5.24565	3.829727	0.000106	0.000451
<i>TMSB15A</i>	5.501839	3.594768	0.00011	0.000465
<i>MNX1</i>	7.241419	0.159675	0.000114	0.00048
<i>AL589647.1</i>	4.498019	-3.31888	0.000116	0.00049
<i>PRAME</i>	10.12667	2.911867	0.00012	0.000502
<i>PTX3</i>	4.184293	5.490792	0.000125	0.000522
<i>PDCD5P2</i>	4.417583	-3.35523	0.000126	0.000525
<i>AC015871.1</i>	4.31635	-3.40669	0.000139	0.000576
<i>PPIAP1</i>	4.507083	-3.30327	0.00014	0.000579
<i>HOXB9</i>	6.876244	0.463968	0.000143	0.000589
<i>TERT</i>	5.006927	0.275292	0.000143	0.00059
<i>AL513343.1</i>	4.174407	-2.5835	0.000149	0.00061
<i>LINC01349</i>	5.373919	-2.73645	0.00015	0.000616
<i>SMARCE1P2</i>	4.335054	-3.40601	0.000151	0.00062
<i>IDO1</i>	6.215035	1.141265	0.000152	0.000622
<i>HMG2P32</i>	4.435463	-3.34789	0.000152	0.000623
<i>AC091980.1</i>	4.471504	-3.32155	0.000154	0.000631
<i>AP000280.1</i>	4.08546	-1.66225	0.000161	0.000655
<i>AC040162.2</i>	4.484426	-3.31212	0.000162	0.000658
<i>H19</i>	7.259966	5.539132	0.000163	0.000663
<i>PI3</i>	8.05858	4.478628	0.000164	0.000668
<i>AL365226.2</i>	4.513241	-3.28846	0.000166	0.000675
<i>AL021328.1</i>	4.751895	-1.09213	0.000169	0.000684
<i>CXCL9</i>	4.782482	2.874909	0.000172	0.000697
<i>AC010524.1</i>	5.044879	-2.96933	0.000174	0.000702
<i>LINC00475</i>	5.059457	1.49455	0.000177	0.000715
<i>AC025594.1</i>	4.273199	-2.4943	0.000178	0.000718
<i>LINC01143</i>	5.571005	-2.59056	0.00019	0.000758
<i>AC011476.1</i>	4.474657	-3.32041	0.000191	0.000762
<i>COL8A1</i>	4.608418	5.460984	0.000192	0.000765
<i>AL451136.1</i>	4.367982	-3.37873	0.000198	0.000786
<i>RBMXP1</i>	4.4655	-3.32327	0.000201	0.000798
<i>HOXD12</i>	5.281044	-1.6574	0.000201	0.000798
<i>AC092868.3</i>	4.334423	-3.40483	0.000203	0.000804
<i>ATP6V0D2</i>	4.092059	-0.68126	0.000205	0.000812
<i>RPL7P27</i>	4.43913	-3.33667	0.000206	0.000816
<i>BPIFB2</i>	5.761464	-0.14144	0.000209	0.000823
<i>AL079352.1</i>	4.264623	-3.44034	0.000209	0.000824

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>C6orf15</i>	10.84438	2.287466	0.000211	0.000834
<i>AC006386.2</i>	4.539938	-3.28747	0.000219	0.000862
<i>OR2IIP</i>	4.778104	0.358869	0.000222	0.000871
<i>AL590644.1</i>	6.246546	-2.05099	0.000222	0.000873
<i>AC090751.1</i>	4.25637	-3.45061	0.000225	0.000883
<i>RPS15AP28</i>	4.373831	-3.38113	0.000231	0.000903
<i>LINC01342</i>	5.957114	-2.29014	0.000236	0.000921
<i>TFAP2B</i>	7.728484	0.613796	0.000243	0.000945
<i>PANDAR</i>	4.425052	-3.36376	0.000248	0.000962
<i>GSX1</i>	4.946446	2.52863	0.00025	0.000968
<i>TPT1P8</i>	4.389385	-3.37053	0.000252	0.000975
<i>IL2RA</i>	5.880951	2.811681	0.000252	0.000977
<i>HIST1H3B</i>	7.720944	-0.82303	0.000252	0.000977
<i>GAPDHP41</i>	4.157692	-3.49882	0.000256	0.000988
<i>AC074052.1</i>	4.396646	-3.36863	0.000256	0.00099
<i>AC083863.1</i>	4.194085	-3.48339	0.000257	0.000994
<i>HMGNI1P30</i>	4.21911	-3.46824	0.00026	0.001002
<i>LINC01385</i>	6.125465	-2.15796	0.000261	0.001006
<i>AC098614.2</i>	4.273284	-3.44356	0.000267	0.001027
<i>Z95327.1</i>	4.325915	-3.41282	0.000282	0.001078
<i>AL009178.2</i>	5.129208	0.703394	0.000283	0.001082
<i>H2BFS</i>	4.632222	-3.23266	0.000283	0.001082
<i>TOMM22P5</i>	4.335166	-3.40496	0.000287	0.001096
<i>LINC02052</i>	5.630743	-2.54124	0.000293	0.001118
<i>GBX2</i>	4.492823	1.865883	0.000297	0.001133
<i>TUBBP6</i>	6.420947	0.054054	0.000308	0.00117
<i>AC079354.2</i>	4.465938	-3.32879	0.00031	0.001175
<i>RNU6-6P</i>	4.186359	-3.48231	0.000318	0.001203
<i>CD207</i>	4.047337	-0.73331	0.000325	0.001227
<i>AC100778.3</i>	4.595075	-3.25217	0.000327	0.001233
<i>SUPT4H1P2</i>	4.128006	-3.5123	0.000348	0.001302
<i>AC093106.1</i>	4.324957	-3.40768	0.000349	0.001306
<i>LINC00466</i>	5.595455	-2.56974	0.000349	0.001307
<i>LINC01206</i>	4.936918	1.404604	0.000349	0.001309
<i>AC145146.1</i>	4.653232	-3.21723	0.000355	0.001329
<i>TBX5</i>	8.054941	2.054895	0.000357	0.001334
<i>FMOD</i>	4.346855	6.919198	0.000357	0.001335
<i>AC008868.1</i>	4.244834	-3.4555	0.000365	0.001362
<i>AC092451.1</i>	4.322334	-3.40426	0.000373	0.001387
<i>AC092991.1</i>	4.274288	-3.43106	0.000373	0.001388
<i>FCF1P6</i>	5.232286	-2.83869	0.000377	0.001401
<i>RPL39P29</i>	4.496814	-3.30283	0.000382	0.001417
<i>MIR548AA2</i>	4.997622	-3.00217	0.000385	0.001426
<i>MXRA5</i>	4.302984	5.607374	0.0004	0.001476
<i>CASC8</i>	4.095769	-2.1116	0.000412	0.001514
<i>COL1A1</i>	5.311173	9.469204	0.00042	0.001539
<i>AL512649.1</i>	4.102109	-3.53116	0.000422	0.001544
<i>AP000805.1</i>	4.425524	-3.34576	0.000426	0.001561
<i>AC146944.4</i>	4.357433	-2.42559	0.000429	0.001568
<i>PLA2G2A</i>	7.086493	6.05755	0.000432	0.001578
<i>PAX3</i>	5.447462	1.741445	0.000437	0.001596
<i>AL138899.2</i>	5.056378	-1.83754	0.000448	0.001631
<i>NUTF2P7</i>	4.177608	-3.48568	0.000451	0.00164
<i>AP000894.1</i>	4.276021	-3.43345	0.000454	0.001649
<i>AC005412.2</i>	4.202166	-3.47104	0.000457	0.00166
<i>AC026688.1</i>	4.210706	-3.46976	0.000471	0.001705
<i>AC009101.3</i>	4.0513	-1.38318	0.000472	0.001708
<i>HNRNPCL3</i>	4.164889	-3.49869	0.000491	0.00177
<i>PGK2</i>	4.421694	-3.35565	0.000497	0.001789

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>SEC61G</i>	4.697953	9.21212	0.000498	0.001794
<i>DMBX1</i>	4.511984	-0.11689	0.00051	0.00183
<i>RPS20P5</i>	4.025817	-3.56218	0.000516	0.001848
<i>RPL39P39</i>	4.438567	-3.34188	0.000522	0.00187
<i>HMGN2P22</i>	4.106931	-3.52186	0.000523	0.001871
<i>TLX1</i>	6.949416	0.554372	0.000527	0.001883
<i>PPIAL4D</i>	4.156431	-3.49387	0.000544	0.00194
<i>PPIAL4E</i>	4.156438	-3.48758	0.000544	0.001942
<i>HMGN2P36</i>	4.115676	-3.51803	0.000551	0.001964
<i>HOXC13-AS</i>	8.404718	-0.10146	0.000558	0.001986
<i>HTRA4</i>	4.161851	-1.06495	0.000583	0.002066
<i>AC116337.2</i>	4.177479	-3.48666	0.000584	0.002069
<i>AC008147.3</i>	4.911931	-3.06007	0.000586	0.002076
<i>HAND2-AS1</i>	6.349409	-0.07967	0.000608	0.002145
<i>ADGRG7</i>	9.145629	0.617279	0.00061	0.002151
<i>TPT1P7</i>	4.330258	-3.40294	0.00061	0.002151
<i>AC091932.1</i>	4.23425	-0.72622	0.000611	0.002153
<i>HOXB5</i>	6.726716	0.319875	0.000611	0.002154
<i>PRPF38AP1</i>	4.090776	-3.53906	0.000612	0.002156
<i>SAA2</i>	7.327058	3.457908	0.000621	0.002182
<i>HIST1H2AI</i>	4.33783	-1.88876	0.00064	0.002242
<i>COL1A2</i>	4.596935	9.599573	0.000644	0.002255
<i>CDK4</i>	4.551187	8.919027	0.000688	0.002394
<i>AC024082.2</i>	4.403487	-3.36677	0.000695	0.002415
<i>FP236383.1</i>	6.839511	-1.6097	0.000717	0.002485
<i>LBX1</i>	6.296334	-0.14945	0.000735	0.002539
<i>AC005224.3</i>	4.613328	-2.24878	0.000746	0.002574
<i>CDH15</i>	4.252114	1.116243	0.000772	0.002651
<i>HOXB8</i>	8.227273	1.037108	0.000775	0.002662
<i>AL596330.1</i>	4.408114	-0.42127	0.000794	0.002719
<i>HIGD1AP12</i>	4.149747	-3.50188	0.000796	0.002728
<i>HMGB1P45</i>	5.122676	-2.91458	0.000846	0.002874
<i>ADGRE3</i>	4.360086	-1.11496	0.000859	0.002914
<i>FP671120.3</i>	7.334359	2.02607	0.000863	0.002923
<i>AC106872.3</i>	4.138315	-3.50452	0.000863	0.002923
<i>VGLL2</i>	5.213491	0.22782	0.000875	0.002957
<i>AC104248.1</i>	4.50719	-2.3304	0.00088	0.002974
<i>NLRP11</i>	5.625834	-0.7796	0.000888	0.002998
<i>AL583785.1</i>	4.290432	-0.93466	0.000923	0.003106
<i>WDR38</i>	5.156324	1.855536	0.000926	0.003113
<i>AC022483.2</i>	4.022066	-3.56687	0.000982	0.00328
<i>OSTCP5</i>	4.085727	-3.5345	0.000988	0.003297
<i>RPS7P7</i>	4.116687	-3.51105	0.000992	0.00331
<i>MNX1-AS1</i>	7.140167	-1.27492	0.001012	0.003371
<i>BANF1P4</i>	4.045224	-3.5637	0.001029	0.003421
<i>LINC01111</i>	5.659798	-2.52543	0.00103	0.003422
<i>C7orf57</i>	4.688243	2.38372	0.001049	0.003482
<i>NPM1P48</i>	4.101743	-3.52241	0.001074	0.003555
<i>AC073900.1</i>	4.017371	-3.56603	0.001077	0.003563
<i>RNU6-817P</i>	4.189664	-3.49097	0.001085	0.003584
<i>HIGD1AP10</i>	4.039438	-3.56293	0.001088	0.003592
<i>IRX1</i>	5.890657	3.4186	0.001107	0.003647
<i>AC104417.1</i>	4.138845	-3.50798	0.001124	0.003696
<i>CAMP</i>	8.056249	-0.44766	0.001124	0.003697
<i>AC002044.1</i>	4.609052	-3.25131	0.001134	0.003727
<i>EBF2</i>	4.180412	1.662758	0.001171	0.003834
<i>AC022730.1</i>	4.201164	-3.46731	0.001183	0.003869
<i>HNRNPA1P52</i>	4.002507	-1.20726	0.001194	0.003902
<i>LINC01812</i>	5.088474	-2.94118	0.001196	0.003908



Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>AC078880.3</i>	5.632724	-2.53802	0.001204	0.003929
<i>HOXB13</i>	6.314957	1.955996	0.001227	0.003997
<i>LUM</i>	4.344085	5.844732	0.00128	0.004149
<i>SIX6</i>	8.529843	1.393883	0.001299	0.004199
<i>AC060775.1</i>	4.224215	-3.46813	0.00132	0.004257
<i>AC063943.2</i>	4.093993	-3.5402	0.001324	0.004267
<i>EZH2P1</i>	4.126948	-3.5251	0.001326	0.004272
<i>AC022784.1</i>	4.825128	-3.11976	0.001327	0.004275
<i>RPL5P33</i>	4.080426	-3.54015	0.001376	0.004414
<i>AL451050.1</i>	4.077907	-3.54326	0.00138	0.004425
<i>FAM183A</i>	5.127969	1.60693	0.001382	0.00443
<i>AC073941.2</i>	4.933896	-3.04134	0.001393	0.004461
<i>C1orf158</i>	5.675331	1.938223	0.001399	0.004474
<i>SAGE1</i>	4.6206	-2.20684	0.001444	0.004605
<i>LINC01096</i>	5.868524	-2.36557	0.001462	0.004655
<i>CHRNA1</i>	5.310637	3.919726	0.001467	0.00467
<i>AC010255.1</i>	4.221644	-1.53339	0.001471	0.004684
<i>AC073324.2</i>	10.52471	4.500012	0.001483	0.004715
<i>RNU4-62P</i>	4.020757	-2.69512	0.00152	0.004815
<i>LINC01960</i>	4.033026	-2.69995	0.001555	0.004912
<i>AC012519.1</i>	4.023725	-3.56523	0.001564	0.004937
<i>EDN2</i>	5.028015	-1.87365	0.001588	0.005006
<i>KRT17P7</i>	6.122903	-2.15678	0.001604	0.005049
<i>AC010631.1</i>	4.0273	-3.5646	0.001709	0.005331
<i>KRT17P4</i>	4.527258	-1.27333	0.001725	0.005372
<i>AC141557.2</i>	4.106235	-1.6843	0.001774	0.005511
<i>AC016877.3</i>	4.931113	-3.04084	0.00178	0.005529
<i>MIA</i>	4.757673	-0.102	0.001781	0.00553
<i>MMP8</i>	7.103246	-1.33305	0.001793	0.005565
<i>AC008278.2</i>	4.530674	-3.29944	0.001828	0.005661
<i>AC004988.1</i>	4.868729	-2.06242	0.001879	0.005799
<i>FGFBP2</i>	6.030507	4.117749	0.001942	0.005974
<i>IGF2BP1</i>	6.759178	0.759944	0.001964	0.006033
<i>AL353705.3</i>	4.254361	-3.45988	0.00204	0.006234
<i>CYP27B1</i>	4.665044	3.352836	0.002058	0.006289
<i>SNRPEP5</i>	4.52606	-3.30335	0.002071	0.006322
<i>HMGN2P13</i>	4.180314	-3.49929	0.002093	0.00638
<i>RPS27P27</i>	4.082421	-3.54302	0.002151	0.006533
<i>CAPN6</i>	9.015249	3.554496	0.002256	0.006809
<i>AC092957.1</i>	4.487176	-0.41466	0.002256	0.006811
<i>AC090673.1</i>	4.804833	-1.03017	0.002278	0.006867
<i>AC016573.1</i>	4.374612	-3.39113	0.002292	0.006906
<i>LRRC15</i>	5.346127	1.695293	0.00231	0.006954
<i>AC027243.1</i>	4.532479	-3.29746	0.002334	0.007018
<i>14-Sep</i>	9.859259	4.543576	0.002336	0.007022
<i>AC098847.1</i>	4.227677	-3.46834	0.002341	0.007035
<i>PITX2</i>	7.254142	0.839624	0.002371	0.007116
<i>AP000812.1</i>	4.646108	-3.23146	0.002426	0.007261
<i>AC004870.2</i>	5.429096	-2.6997	0.002478	0.007394
<i>CER1</i>	4.31708	-1.92272	0.002524	0.007511
<i>F13A1</i>	4.322774	7.194681	0.002582	0.007664
<i>CD70</i>	5.242696	1.592532	0.002589	0.007681
<i>AP005271.1</i>	4.82524	-3.1136	0.002613	0.00774
<i>WBSCR28</i>	6.183448	-2.09967	0.002619	0.007756
<i>AL353705.1</i>	4.022359	-3.57768	0.002698	0.007961
<i>TRDC</i>	5.056743	3.411762	0.002704	0.007978
<i>SLC17A3</i>	5.386759	-2.7367	0.002746	0.008084
<i>MRPL53P1</i>	4.127387	-3.52516	0.002767	0.008135
<i>RNA5-8SP6</i>	7.200611	0.081852	0.002773	0.008151

Table S1. Continued.

Gene symbol	logFC	logCPM	P-value	False discovery rate
<i>CXCL13</i>	7.182062	2.773594	0.002861	0.008376
<i>AC138625.1</i>	4.501573	-3.3163	0.002874	0.008407
<i>CCDC140</i>	6.272083	-2.03482	0.002895	0.008463
<i>PMCH</i>	4.50032	-3.3188	0.00296	0.008629
<i>HOXB-AS2</i>	6.021014	-2.23325	0.003039	0.008828
<i>AC003092.1</i>	5.551006	-1.40643	0.00306	0.00888
<i>LINC01142</i>	4.690218	-3.20416	0.003258	0.009373
<i>RN7SKP203</i>	4.734346	-1.6364	0.003266	0.00939

Table SII. Enriched Kyoto Encyclopedia of Genes and Genome pathways.

Term	Count	P-value	Genes
hsa04080: Neuroactive ligand-receptor interaction	44	5.35E-28	<i>GPR83, OPRM1, MCHR2, DRD1, TACR3, GABRB2, DRD5, GRIN3A, HCRTR2, HTR1A, GRIN2B, HRH3, MASI, GLP2R, HTR5A, HTR1E, CHRNA2, GABRD, GABRG1, GABRG2, GABRG3, GABRA1, PTGER3, GABRA4, CCKBR, RXFP1, GABRA6, NPBWRI, GRIN1, GABRA5, GRIN2A, GRM1, SSTR4, GRM5, CRHR2, GRM4, SSTR3, GRM2, SSTR1, CHRM2, GRM7, CHRM1, HTR2C, HTR2A, GABRD, GABRG1, GABRG2, GABRG3, GABRA1, GABRA4, GABRB2, GABRA6, GABRA5, GRIN1, GRIN2A, GRIN3A, SLC17A7, SLC32A1, GRIN2B, CACNA1B</i>
hsa05033: Nicotine addiction	16	2.89E-16	
<b>hsa05032: Morphine addiction</b>	<b>20</b>	<b>5.58E-15</b>	<i>GABRD, OPRM1, GABRG1, GABRG2, DRD1, GABRG3, GABRA1, GABRA4, GABRB2, GABRA6, GABRA5, PRKCG, KCNJ3, PRKCB, SLC32A1, PDE2A, KCNJ9, PDE1A, GNG3, CACNA1B</i>
hsa04723: Retrograde endocannabinoid signaling	20	4.27E-14	<i>GABRD, GABRG1, GABRG2, GABRG3, GABRA1, GABRA4, GABRB2, GABRA6, GABRA5, PRKCG, RIMS1, GRM1, KCNJ3, PRKCB, SLC17A7, GRM5, SLC32A1, KCNJ9, GNG3, CACNA1B</i>
hsa04020: Calcium signaling pathway	24	3.72E-13	<i>DRD1, SLC8A2, PTGER3, CCKBR, TACR3, DRD5, GRIN1, CACNA1I, GRIN2A, PRKCG, GRM1, PRKCB, GRM5, ATP2B3, CHRM2, CHRM1, PDE1A, RYR2, CACNA1E, CAMK2A, HTR2C, HTR5A, HTR2A, CACNA1B</i>
<b>hsa04727: GABAergic synapse</b>	<b>15</b>	<b>7.40E-10</b>	<i>GABRG1, GABRD, GABRG2, GABRG3, GABRA1, GABRA4, GABRB2, GABRA6, GABRA5, PRKCG, PRKCB, SLC32A1, GAD2, GNG3, CACNA1B</i>
<b>hsa04724: Glutamatergic synapse</b>	<b>15</b>	<b>3.76E-08</b>	<i>GRIN1, GRIN2A, PRKCG, GRIN3A, SHANK1, GRM1, KCNJ3, PRKCB, GRM5, SLC17A7, GRM4, GRM2, GRIN2B, GRM7, GNG3</i>
<b>hsa04726: Serotonergic synapse</b>	<b>14</b>	<b>2.09E-07</b>	<i>GABRB2, PRKCG, KCNJ3, PRKCB, HTR1A, KCNJ9, GNG3, HTR3B, HTR2C, HTR5A, TPH2, CACNA1B, HTR1E, HTR2A</i>
hsa04721: Synaptic vesicle cycle	11	3.20E-07	<i>SLC17A7, SLC32A1, RAB3A, SYTI, CPLX2, UNC13C, STX1B, RIMS1, SNAP25, DNMI, CACNA1B</i>
hsa04024: cAMP signaling pathway	16	6.68E-06	<i>DRD1, PTGER3, DRD5, GRIN1, GRIN2A, GRIN3A, CNGB1, ATP2B3, HTR1A, GRIN2B, CHRM2, SSTR1, CHRM1, RYR2, CAMK2A, HTR1E</i>
<b>hsa04728: Dopaminergic synapse</b>	<b>13</b>	<b>6.81E-06</b>	<i>DRD1, CALY, DRD5, GRIN2A, PRKCG, KCNJ3, PRKCB, KCNJ9, GRIN2B, GNG3, PPP2R2C, CAMK2A, CACNA1B</i>
<b>hsa04713: Circadian entrainment</b>	<b>11</b>	<b>1.49E-05</b>	<i>GRIN2B, KCNJ9, GRIN1, CACNA1I, GRIN2A, RYR2, PRKCG, GNG3, CAMK2A, KCNJ3, PRKCB</i>
hsa05031: Amphetamine addiction	9	3.94E-05	<i>DRD1, GRIN2B, GRIN1, GRIN2A, PRKCG, GRIN3A, PDYN, CAMK2A, PRKCB</i>
hsa04921: Oxytocin signaling pathway	12	1.61E-04	<i>KCNJ4, CAMK1G, KCNJ9, CACNG8, RYR2, CACNG3, PRKCG, KCNJ12, CAMK2A, KCNJ3, CAMKK1, PRKCB</i>
hsa04911: Insulin secretion	9	2.41E-04	<i>RAB3A, FFAR1, RYR2, PRKCG, RIMS2, CAMK2A, SNAP25, PCLO, PRKCB</i>
hsa04720: Long-term potentiation	8	2.85E-04	<i>GRM5, GRIN2B, GRIN1, GRIN2A, PRKCG, GRM1, CAMK2A, PRKCB</i>
hsa04725: Cholinergic synapse	10	3.07E-04	<i>KCNJ4, CHRM2, CHRM1, PRKCG, GNG3, KCNJ12, CAMK2A, KCNJ3, PRKCB, CACNA1B</i>
hsa05030: Cocaine addiction	7	3.57E-04	<i>DRD1, GRM2, GRIN2B, GRIN1, GRIN2A, GRIN3A, PDYN</i>
hsa04540: Gap junction	7	0.007432	<i>GRM5, DRD1, PRKCG, GRM1, HTR2C, PRKCB, HTR2A</i>
hsa04014: Ras signaling pathway	11	0.013134	<i>PAK6, RASALI, KSR2, GRIN2B, RASGRF2, RASGRF1, GRIN1, GRIN2A, PRKCG, GNG3, PRKCB</i>

Table SII. Continued.

Term	Count	P-value	Genes
hsa05014: Amyotrophic lateral sclerosis (ALS)	5	0.016273	<i>GRIN2B, GRIN1, GRIN2A, NEFL, NEFM</i>
hsa04925: Aldosterone synthesis and secretion	6	0.021083	<i>CAMK1G, PDE2A, CACNA1I, PRKCG, CAMK2A, PRKCB</i>
hsa05034: Alcoholism	9	0.022785	<i>DRD1, GRIN2B, GRIN1, CRH, GRIN2A, GNG3, GRIN3A, PDYN, CAMKK1</i>
hsa04010: MAPK signaling pathway	11	0.026632	<i>RASGRF2, RASGRF1, CACNG8, PTPN5, CACNA1I, PTPRR, CACNA1E, CACNG3, PRKCG, PRKCB, CACNA1B</i>
hsa04750: Inflammatory mediator regulation of TRP channels	6	0.043059	<i>ASIC2, PRKCG, CAMK2A, HTR2C, PRKCB, HTR2A</i>
hsa04971: Gastric acid secretion	5	0.054678	<i>CCKBR, PRKCG, SST, CAMK2A, PRKCB</i>
hsa04961: Endocrine and other factor-regulated calcium reabsorption	4	0.057718	<i>KLK2, PRKCG, DNMI, PRKCB</i>

Low expression of *GNG3* may be associated with the pathogenesis of GBM by regulating related signaling pathways which are indicated in **bold print**.