

**Supplementary Table 3. Details for 1,218 genes differentially expressed between assumed somatic MMR deficient and MMR proficient tumors**

Gene	Up/Down regulated in somatic MMR deficient tumors	Fold change	p-value	Adjusted p-value
<i>EPM2AIP1</i>	Down	0.22	1.99E-73	3.83E-69
<i>MLH1</i>	Down	0.27	1.87E-67	1.80E-63
<i>CRTAC1</i>	Down	0.05	1.08E-51	6.95E-48
<i>RNLS</i>	Down	0.25	2.61E-45	1.26E-41
<i>TRH</i>	Down	0.03	1.88E-42	7.24E-39
<i>MYH7B</i>	Down	0.08	7.26E-41	2.32E-37
<i>HIF3A</i>	Down	0.10	1.11E-39	3.06E-36
<i>IGF2</i>	Down	0.11	1.16E-36	2.80E-33
<i>ZNF311</i>	Down	0.18	1.13E-32	2.41E-29
<i>EYA4</i>	Down	0.04	1.41E-32	2.71E-29
<i>ZNF334</i>	Down	0.16	8.68E-32	1.52E-28
<i>PRSS50</i>	Down	0.11	2.47E-31	3.96E-28
<i>ZNF300</i>	Down	0.22	1.64E-30	2.43E-27
<i>IGLON5</i>	Down	0.12	1.03E-29	1.41E-26
<i>JPH3</i>	Down	0.14	4.30E-29	5.49E-26
<i>SLC13A5</i>	Down	0.12	4.57E-29	5.49E-26
<i>LHX1</i>	Down	0.03	6.55E-29	7.40E-26
<i>C4orf39</i>	Down	0.23	1.04E-28	1.11E-25
<i>ADAMTS16</i>	Down	0.16	1.39E-28	1.41E-25
<i>TCAM1P</i>	Down	0.07	1.88E-28	1.81E-25
<i>CLDN6</i>	Down	0.06	3.27E-28	2.99E-25
<i>WNT6</i>	Down	0.17	9.97E-28	8.34E-25
<i>CRB2</i>	Down	0.18	9.99E-28	8.34E-25
<i>KLK6</i>	Down	0.13	1.40E-27	1.12E-24
<i>CACNA2D3</i>	Down	0.23	2.73E-27	2.09E-24
<i>C7orf13</i>	Down	0.28	2.83E-27	2.09E-24
<i>ZNF662</i>	Down	0.28	3.43E-27	2.44E-24
<i>WNT16</i>	Down	0.12	8.08E-27	5.54E-24
<i>IQCA1</i>	Down	0.19	8.36E-27	5.54E-24
<i>LIX1</i>	Down	0.11	1.04E-26	6.67E-24
<i>L1CAM</i>	Down	0.11	1.56E-26	9.67E-24
<i>PNMA3</i>	Down	0.14	1.96E-26	1.18E-23
<i>SOX11</i>	Down	0.10	2.43E-26	1.41E-23
<i>KLK7</i>	Down	0.11	7.86E-26	4.44E-23
<i>NEFH</i>	Down	0.15	8.34E-26	4.58E-23
<i>SLC6A10P</i>	Down	0.21	1.57E-25	8.39E-23
<i>SNCG</i>	Down	0.22	1.78E-25	9.26E-23
<i>IGF2AS</i>	Down	0.09	7.22E-25	3.65E-22
<i>DOK5</i>	Down	0.25	2.01E-24	9.89E-22
<i>CELF4</i>	Down	0.24	3.82E-24	1.84E-21
<i>CYTL1</i>	Down	0.18	6.63E-24	3.11E-21
<i>TRO</i>	Down	0.28	1.24E-23	5.67E-21
<i>KCNK9</i>	Down	0.15	1.44E-23	6.43E-21
<i>PCSK1N</i>	Down	0.21	3.13E-23	1.37E-20

<i>DLGAP3</i>	Down	0.19	9.64E-23	4.12E-20
<i>CACNA1S</i>	Down	0.05	2.74E-22	1.14E-19
<i>KLK8</i>	Down	0.14	3.14E-22	1.28E-19
<i>PTX3</i>	Down	0.25	5.09E-22	2.04E-19
<i>BMP7</i>	Down	0.23	6.61E-22	2.54E-19
<i>SMC1B</i>	Down	0.21	6.74E-22	2.54E-19
<i>XAGE2</i>	Down	0.01	1.43E-21	5.28E-19
<i>C1orf59</i>	Down	0.36	6.54E-21	2.37E-18
<i>SLFN13</i>	Down	0.32	6.72E-21	2.39E-18
<i>RSPO4</i>	Down	0.14	6.94E-21	2.42E-18
<i>FOLR3</i>	Down	0.09	1.18E-20	4.04E-18
<i>SLC6A13</i>	Down	0.18	1.65E-20	5.55E-18
<i>MYT1</i>	Down	0.12	1.74E-20	5.76E-18
<i>INS-IGF2</i>	Down	0.14	1.77E-20	5.76E-18
<i>COL9A3</i>	Down	0.20	1.84E-20	5.90E-18
<i>FGF8</i>	Down	0.11	1.87E-20	5.90E-18
<i>TMEM163</i>	Down	0.32	2.79E-20	8.39E-18
<i>KLK5</i>	Down	0.11	2.80E-20	8.39E-18
<i>IQSEC3</i>	Down	0.30	3.17E-20	9.37E-18
<i>NTF3</i>	Down	0.26	4.11E-20	1.20E-17
<i>RPL22L1</i>	Up	2.05	4.86E-20	1.39E-17
<i>NHLRC1</i>	Down	0.46	5.95E-20	1.68E-17
<i>KISS1R</i>	Up	4.45	6.59E-20	1.83E-17
<i>CLDN9</i>	Down	0.21	7.00E-20	1.92E-17
<i>PNOC</i>	Down	0.15	1.12E-19	3.04E-17
<i>BCAM</i>	Down	0.36	1.42E-19	3.80E-17
<i>KCNA6</i>	Down	0.25	1.67E-19	4.40E-17
<i>ZNF229</i>	Down	0.23	2.61E-19	6.78E-17
<i>LOC729799</i>	Down	0.42	2.72E-19	6.96E-17
<i>DEFA5</i>	Down	0.01	3.20E-19	8.09E-17
<i>RNF182</i>	Down	0.21	3.30E-19	8.23E-17
<i>MYLPF</i>	Down	0.31	3.63E-19	8.94E-17
<i>SLC6A15</i>	Down	0.08	4.11E-19	9.86E-17
<i>PPARGC1A</i>	Down	0.22	7.35E-19	1.74E-16
<i>SLCO1A2</i>	Down	0.30	8.24E-19	1.93E-16
<i>AJAP1</i>	Down	0.21	8.53E-19	1.98E-16
<i>H19</i>	Down	0.22	1.95E-18	4.47E-16
<i>C18orf18</i>	Down	0.37	2.10E-18	4.74E-16
<i>FSTL4</i>	Down	0.24	2.38E-18	5.31E-16
<i>RNF212</i>	Down	0.19	2.59E-18	5.66E-16
<i>CNTFR</i>	Down	0.18	2.59E-18	5.66E-16
<i>WNT10A</i>	Down	0.26	3.45E-18	7.45E-16
<i>ERP27</i>	Down	0.31	3.65E-18	7.70E-16
<i>WIT1</i>	Down	0.23	3.81E-18	7.89E-16
<i>NKD1</i>	Down	0.23	3.82E-18	7.89E-16
<i>CPXM2</i>	Down	0.29	3.95E-18	8.07E-16
<i>GAL3ST3</i>	Down	0.12	4.42E-18	8.95E-16
<i>ZBTB46</i>	Down	0.46	5.03E-18	1.01E-15
<i>ACTL8</i>	Down	0.14	5.34E-18	1.06E-15
<i>ALS2CR11</i>	Down	0.21	6.62E-18	1.29E-15

<i>PIPOX</i>	Down	0.33	6.73E-18	1.29E-15
<i>VCX</i>	Down	0.19	6.97E-18	1.33E-15
<i>WT1</i>	Down	0.22	9.02E-18	1.70E-15
<i>ADAMTSL2</i>	Down	0.29	1.06E-17	1.97E-15
<i>SLCO3A1</i>	Down	0.42	1.16E-17	2.14E-15
<i>CHRNA3</i>	Down	0.24	1.82E-17	3.33E-15
<i>ODZ4</i>	Down	0.36	1.99E-17	3.60E-15
<i>CDKN2A</i>	Down	0.31	2.07E-17	3.72E-15
<i>PAPLN</i>	Down	0.42	2.13E-17	3.78E-15
<i>DLK1</i>	Down	0.05	2.76E-17	4.87E-15
<i>LOC440173</i>	Down	0.35	3.12E-17	5.46E-15
<i>COL22A1</i>	Down	0.24	3.17E-17	5.48E-15
<i>GRB7</i>	Down	0.41	3.37E-17	5.77E-15
<i>SUSD3</i>	Down	0.39	3.52E-17	5.93E-15
<i>VASN</i>	Down	0.44	4.50E-17	7.46E-15
<i>SST</i>	Down	0.11	4.67E-17	7.61E-15
<i>GFRA1</i>	Down	0.25	4.67E-17	7.61E-15
<i>C10orf114</i>	Down	0.30	4.98E-17	8.04E-15
<i>FIGNL2</i>	Down	0.30	5.64E-17	8.95E-15
<i>SLC7A10</i>	Down	0.15	6.12E-17	9.64E-15
<i>HEPHL1</i>	Down	0.23	6.58E-17	1.03E-14
<i>LOC339290</i>	Down	0.43	1.13E-16	1.75E-14
<i>LOC84856</i>	Down	0.32	1.20E-16	1.84E-14
<i>LOC441666</i>	Down	0.23	1.21E-16	1.85E-14
<i>SYCP2</i>	Down	0.33	1.32E-16	1.99E-14
<i>SCGB1D4</i>	Down	0.08	1.39E-16	2.09E-14
<i>MUCL1</i>	Down	0.10	1.45E-16	2.17E-14
<i>ADHFE1</i>	Down	0.39	1.56E-16	2.30E-14
<i>CHODL</i>	Down	0.31	1.73E-16	2.54E-14
<i>KCNT1</i>	Down	0.17	2.07E-16	3.01E-14
<i>RFPL1S</i>	Down	0.27	2.09E-16	3.02E-14
<i>FAM110B</i>	Down	0.36	2.48E-16	3.56E-14
<i>TTYH1</i>	Down	0.34	2.53E-16	3.60E-14
<i>FMO2</i>	Down	0.18	2.77E-16	3.88E-14
<i>TMPRSS6</i>	Down	0.24	3.93E-16	5.43E-14
<i>RGS22</i>	Down	0.22	4.72E-16	6.47E-14
<i>TCAP</i>	Down	0.38	5.59E-16	7.61E-14
<i>PNMAL2</i>	Down	0.41	5.93E-16	8.02E-14
<i>RGS9</i>	Down	0.34	6.04E-16	8.12E-14
<i>EIF5A2</i>	Down	0.40	6.24E-16	8.28E-14
<i>TMEM176A</i>	Down	0.39	6.29E-16	8.28E-14
<i>LRRC4C</i>	Down	0.29	6.31E-16	8.28E-14
<i>PTPRT</i>	Down	0.15	6.36E-16	8.28E-14
<i>ZIK1</i>	Down	0.33	6.38E-16	8.28E-14
<i>GPR155</i>	Down	0.42	6.72E-16	8.65E-14
<i>PCDH10</i>	Down	0.20	6.79E-16	8.65E-14
<i>TMEFF2</i>	Down	0.12	6.80E-16	8.65E-14
<i>psiTPTE22</i>	Down	0.42	7.52E-16	9.51E-14
<i>NPR1</i>	Down	0.34	7.84E-16	9.85E-14
<i>NKAIN4</i>	Down	0.21	8.05E-16	1.00E-13

<i>CACNG6</i>	Down	0.18	8.70E-16	1.08E-13
<i>ALK</i>	Down	0.24	9.08E-16	1.12E-13
<i>DDX25</i>	Down	0.13	1.00E-15	1.22E-13
<i>DBC1</i>	Down	0.22	1.15E-15	1.40E-13
<i>ALKBH3</i>	Down	0.48	1.34E-15	1.62E-13
<i>KLK4</i>	Down	0.20	1.36E-15	1.64E-13
<i>NFE2</i>	Down	0.38	1.47E-15	1.76E-13
<i>DBH</i>	Down	0.20	1.61E-15	1.90E-13
<i>BNC1</i>	Down	0.13	1.75E-15	2.07E-13
<i>STK31</i>	Down	0.39	1.80E-15	2.10E-13
<i>TSPYL5</i>	Down	0.34	1.95E-15	2.27E-13
<i>ALOX12P2</i>	Down	0.23	2.03E-15	2.35E-13
<i>TWIST2</i>	Down	0.33	2.52E-15	2.90E-13
<i>IL23A</i>	Down	0.42	2.72E-15	3.11E-13
<i>COL11A2</i>	Down	0.36	2.79E-15	3.17E-13
<i>FRMPD1</i>	Down	0.18	3.12E-15	3.50E-13
<i>RELN</i>	Down	0.21	3.19E-15	3.56E-13
<i>MYCL1</i>	Down	0.50	3.42E-15	3.80E-13
<i>AVPR2</i>	Down	0.30	3.68E-15	4.06E-13
<i>CPVL</i>	Down	0.41	3.91E-15	4.29E-13
<i>SCN11A</i>	Down	0.37	4.01E-15	4.38E-13
<i>SORCS2</i>	Down	0.32	4.04E-15	4.39E-13
<i>ADRA1B</i>	Down	0.28	4.45E-15	4.77E-13
<i>MAGEH1</i>	Down	0.49	4.74E-15	5.06E-13
<i>CNNM1</i>	Down	0.30	4.80E-15	5.10E-13
<i>CDH6</i>	Down	0.30	5.17E-15	5.46E-13
<i>ATP8A2</i>	Down	0.31	5.98E-15	6.27E-13
<i>TMEM108</i>	Down	0.30	7.35E-15	7.68E-13
<i>C2orf74</i>	Down	0.41	8.34E-15	8.61E-13
<i>ANO2</i>	Down	0.41	8.77E-15	8.99E-13
<i>S100A5</i>	Down	0.23	9.99E-15	1.02E-12
<i>SPAG6</i>	Down	0.11	1.08E-14	1.09E-12
<i>VCX3A</i>	Down	0.25	1.10E-14	1.10E-12
<i>NPTX2</i>	Down	0.36	1.33E-14	1.32E-12
<i>FXD7</i>	Down	0.23	1.35E-14	1.34E-12
<i>CALML3</i>	Down	0.12	1.42E-14	1.40E-12
<i>PDE6G</i>	Down	0.32	1.58E-14	1.55E-12
<i>C6orf155</i>	Down	0.38	1.65E-14	1.60E-12
<i>ATP6V1B1</i>	Down	0.32	1.70E-14	1.65E-12
<i>TP53TG3B</i>	Down	0.18	1.71E-14	1.65E-12
<i>DPEP1</i>	Down	0.24	1.87E-14	1.80E-12
<i>CACNA1E</i>	Down	0.27	2.10E-14	2.01E-12
<i>GAMT</i>	Up	2.53	2.18E-14	2.07E-12
<i>COL6A4P2</i>	Down	0.29	2.19E-14	2.07E-12
<i>ZNF285</i>	Down	0.36	2.37E-14	2.23E-12
<i>PNMT</i>	Down	0.25	2.51E-14	2.35E-12
<i>CALHM3</i>	Down	0.22	2.53E-14	2.36E-12
<i>ATOH8</i>	Down	0.40	2.61E-14	2.42E-12
<i>FAM24B</i>	Down	0.31	2.81E-14	2.58E-12
<i>CST2</i>	Down	0.18	2.81E-14	2.58E-12

LY6H	Down	0.27	2.92E-14	2.67E-12
C16orf73	Down	0.15	3.10E-14	2.82E-12
LOC100240726	Down	0.09	3.43E-14	3.11E-12
SCN3B	Down	0.33	4.01E-14	3.62E-12
VGLL1	Down	0.27	4.37E-14	3.93E-12
ADAMTS14	Down	0.44	4.80E-14	4.29E-12
PLAG1	Down	0.34	4.94E-14	4.39E-12
PLAC1	Down	0.24	5.14E-14	4.54E-12
SOX30	Down	0.40	5.17E-14	4.54E-12
ZNF717	Down	0.43	5.19E-14	4.54E-12
IL13RA2	Down	0.27	5.20E-14	4.54E-12
BTBD17	Down	0.08	6.29E-14	5.40E-12
LOC728819	Down	0.41	7.20E-14	6.14E-12
C9orf125	Down	0.31	7.29E-14	6.18E-12
DOCK3	Down	0.38	7.30E-14	6.18E-12
C3orf59	Down	0.48	9.26E-14	7.77E-12
CD36	Down	0.34	9.39E-14	7.84E-12
MX2	Down	0.43	9.52E-14	7.91E-12
CDKN2B	Down	0.49	1.05E-13	8.64E-12
TMEM176B	Down	0.45	1.07E-13	8.74E-12
C8orf85	Down	0.25	1.08E-13	8.83E-12
PYGM	Down	0.43	1.13E-13	9.12E-12
SNAP91	Down	0.23	1.16E-13	9.33E-12
CST4	Down	0.16	1.17E-13	9.39E-12
BMP4	Down	0.31	1.49E-13	1.18E-11
TYRP1	Down	0.26	1.61E-13	1.28E-11
PEBP4	Down	0.22	1.69E-13	1.34E-11
ZNF135	Down	0.43	1.90E-13	1.50E-11
PVALB	Down	0.24	2.00E-13	1.57E-11
DTNA	Down	0.37	2.28E-13	1.77E-11
APCDD1L	Down	0.26	2.30E-13	1.78E-11
SCN4A	Down	0.27	2.88E-13	2.22E-11
VCX3B	Down	0.26	2.98E-13	2.29E-11
GALNT13	Down	0.26	3.07E-13	2.35E-11
MPV17L	Down	0.33	3.09E-13	2.36E-11
CXorf49B	Down	0.24	3.53E-13	2.68E-11
CYP26C1	Down	0.21	3.56E-13	2.69E-11
LOC643719	Down	0.43	4.00E-13	3.01E-11
CELA3A	Up	4.10	4.24E-13	3.18E-11
CHAD	Down	0.44	4.55E-13	3.40E-11
IL10	Down	0.36	4.58E-13	3.40E-11
ZNF716	Down	0.14	4.58E-13	3.40E-11
SYT1	Down	0.33	4.64E-13	3.43E-11
IRS2	Down	0.42	5.41E-13	3.99E-11
LOXL4	Down	0.43	5.55E-13	4.07E-11
IMPG2	Down	0.35	5.74E-13	4.19E-11
GCGR	Down	0.16	7.77E-13	5.61E-11
HOTAIR	Up	4.04	7.86E-13	5.66E-11
NRG3	Down	0.18	7.98E-13	5.72E-11
SCN5A	Down	0.41	8.10E-13	5.78E-11

<i>SEZ6L</i>	Down	0.18	8.19E-13	5.80E-11
<i>OR56A3</i>	Down	0.08	9.47E-13	6.66E-11
<i>GSPT2</i>	Down	0.41	9.79E-13	6.86E-11
<i>SLC6A11</i>	Down	0.13	1.06E-12	7.43E-11
<i>KCNJ12</i>	Down	0.32	1.13E-12	7.89E-11
<i>WNT7A</i>	Down	0.25	1.14E-12	7.94E-11
<i>SLC14A2</i>	Down	0.33	1.15E-12	7.97E-11
<i>SHANK1</i>	Down	0.31	1.24E-12	8.56E-11
<i>KRTDAP</i>	Down	0.31	1.25E-12	8.58E-11
<i>LRCH2</i>	Down	0.37	1.27E-12	8.67E-11
<i>DKFZp686A1627</i>	Down	0.12	1.33E-12	9.03E-11
<i>FER1L5</i>	Down	0.33	1.45E-12	9.79E-11
<i>RASL11B</i>	Down	0.37	1.47E-12	9.85E-11
<i>EPHX3</i>	Down	0.32	1.48E-12	9.93E-11
<i>CDO1</i>	Down	0.30	1.53E-12	1.02E-10
<i>ADRA1D</i>	Down	0.32	1.91E-12	1.27E-10
<i>MAG</i>	Down	0.22	1.92E-12	1.27E-10
<i>GPR83</i>	Down	0.32	2.01E-12	1.32E-10
<i>C2orf43</i>	Down	0.49	2.05E-12	1.34E-10
<i>COL8A2</i>	Down	0.41	2.34E-12	1.52E-10
<i>HAPLN4</i>	Down	0.36	2.46E-12	1.58E-10
<i>NGB</i>	Down	0.15	2.61E-12	1.67E-10
<i>CACNA1A</i>	Down	0.45	2.63E-12	1.68E-10
<i>EPHB2</i>	Down	0.45	2.77E-12	1.76E-10
<i>C9orf70</i>	Down	0.32	2.81E-12	1.78E-10
<i>ABHD12B</i>	Down	0.25	2.92E-12	1.84E-10
<i>PCDHA10</i>	Down	0.29	3.25E-12	2.05E-10
<i>SFRP5</i>	Down	0.22	3.31E-12	2.08E-10
<i>HCG4</i>	Down	0.27	3.39E-12	2.12E-10
<i>SLC8A1</i>	Down	0.47	3.43E-12	2.14E-10
<i>NUDT11</i>	Down	0.38	3.48E-12	2.15E-10
<i>BEX2</i>	Down	0.44	3.49E-12	2.15E-10
<i>FBLN2</i>	Down	0.41	3.49E-12	2.15E-10
<i>SLC8A3</i>	Down	0.26	3.50E-12	2.15E-10
<i>RBP1</i>	Down	0.44	3.67E-12	2.25E-10
<i>COL9A1</i>	Down	0.22	3.73E-12	2.28E-10
<i>RASSF10</i>	Down	0.36	4.31E-12	2.63E-10
<i>RYR1</i>	Down	0.37	4.32E-12	2.63E-10
<i>FXVD1</i>	Down	0.36	4.54E-12	2.75E-10
<i>C6orf114</i>	Down	0.47	4.95E-12	2.99E-10
<i>SGCG</i>	Down	0.23	4.96E-12	2.99E-10
<i>THSD4</i>	Down	0.40	5.06E-12	3.04E-10
<i>FLJ16779</i>	Down	0.29	5.30E-12	3.17E-10
<i>MYL3</i>	Down	0.34	5.77E-12	3.44E-10
<i>LY6G6C</i>	Down	0.18	5.78E-12	3.44E-10
<i>HGC6.3</i>	Down	0.25	5.85E-12	3.47E-10
<i>CD22</i>	Down	0.35	6.02E-12	3.55E-10
<i>GPR19</i>	Down	0.44	6.25E-12	3.67E-10
<i>CALML5</i>	Down	0.18	6.77E-12	3.97E-10
<i>ERAS</i>	Down	0.38	6.86E-12	4.00E-10

<i>DEFA6</i>	Down	0.03	6.87E-12	4.00E-10
<i>ELOVL2</i>	Down	0.37	6.96E-12	4.04E-10
<i>PRRT4</i>	Down	0.34	7.11E-12	4.11E-10
<i>FGF12</i>	Down	0.37	7.15E-12	4.13E-10
<i>HOXC9</i>	Up	4.98	7.58E-12	4.36E-10
<i>FBXL21</i>	Down	0.07	7.71E-12	4.42E-10
<i>CPNE9</i>	Down	0.35	8.94E-12	5.08E-10
<i>FOXI3</i>	Down	0.13	9.75E-12	5.52E-10
<i>IGDCC3</i>	Down	0.29	9.83E-12	5.55E-10
<i>C7orf61</i>	Down	0.48	9.89E-12	5.57E-10
<i>SORCS1</i>	Down	0.31	1.02E-11	5.71E-10
<i>SDR16C5</i>	Down	0.25	1.03E-11	5.78E-10
<i>RUNX2</i>	Down	0.44	1.04E-11	5.79E-10
<i>CHST13</i>	Down	0.38	1.17E-11	6.53E-10
<i>NPY</i>	Down	0.13	1.20E-11	6.64E-10
<i>NOTUM</i>	Down	0.22	1.20E-11	6.65E-10
<i>CYP2A6</i>	Down	0.21	1.22E-11	6.72E-10
<i>GPR64</i>	Down	0.29	1.26E-11	6.90E-10
<i>DNAJC12</i>	Down	0.42	1.29E-11	7.06E-10
<i>ANKRD33</i>	Down	0.19	1.32E-11	7.19E-10
<i>POU2F3</i>	Down	0.42	1.33E-11	7.21E-10
<i>ZFP42</i>	Down	0.06	1.34E-11	7.24E-10
<i>SLCO6A1</i>	Down	0.11	1.36E-11	7.34E-10
<i>UPK1A</i>	Down	0.28	1.39E-11	7.46E-10
<i>SDR42E1</i>	Down	0.39	1.48E-11	7.93E-10
<i>MYO16</i>	Down	0.31	1.58E-11	8.42E-10
<i>TRIM71</i>	Down	0.15	1.62E-11	8.51E-10
<i>CLDN2</i>	Down	0.23	1.62E-11	8.51E-10
<i>GPR173</i>	Down	0.42	1.82E-11	9.52E-10
<i>CLCNKA</i>	Down	0.43	1.84E-11	9.60E-10
<i>ZNF772</i>	Down	0.47	1.94E-11	1.01E-09
<i>HTR2C</i>	Down	0.10	1.95E-11	1.01E-09
<i>CUZD1</i>	Down	0.36	1.99E-11	1.02E-09
<i>GDPD2</i>	Down	0.29	2.00E-11	1.03E-09
<i>CBLN2</i>	Down	0.21	2.30E-11	1.18E-09
<i>ONECUT1</i>	Up	4.32	2.33E-11	1.19E-09
<i>EDN3</i>	Down	0.23	2.45E-11	1.24E-09
<i>THSD7B</i>	Down	0.36	2.61E-11	1.32E-09
<i>TDRD12</i>	Down	0.23	2.64E-11	1.33E-09
<i>PTGER1</i>	Down	0.35	2.71E-11	1.36E-09
<i>NBPF4</i>	Down	0.18	2.80E-11	1.40E-09
<i>DCAF12L1</i>	Down	0.23	3.16E-11	1.57E-09
<i>TMEM132C</i>	Down	0.22	3.17E-11	1.57E-09
<i>SLC6A12</i>	Down	0.37	3.21E-11	1.59E-09
<i>FLJ36000</i>	Down	0.10	3.45E-11	1.70E-09
<i>TNMD</i>	Down	0.22	3.73E-11	1.83E-09
<i>KIAA1239</i>	Down	0.14	3.98E-11	1.95E-09
<i>LOC400043</i>	Down	0.34	4.21E-11	2.05E-09
<i>LOC284749</i>	Down	0.26	4.42E-11	2.15E-09
<i>NBPF6</i>	Down	0.16	4.83E-11	2.34E-09

<i>GABRB2</i>	Down	0.30	4.98E-11	2.40E-09
<i>PRRG3</i>	Down	0.20	5.04E-11	2.43E-09
<i>RGN</i>	Down	0.39	5.18E-11	2.48E-09
<i>LOC286467</i>	Down	0.34	5.21E-11	2.49E-09
<i>ANKRD34C</i>	Down	0.20	5.67E-11	2.70E-09
<i>GABRE</i>	Down	0.40	5.69E-11	2.70E-09
<i>KBTBD12</i>	Down	0.37	5.70E-11	2.70E-09
<i>ADAM33</i>	Down	0.37	6.07E-11	2.87E-09
<i>KCNJ4</i>	Down	0.27	6.32E-11	2.97E-09
<i>PHOSPHO1</i>	Down	0.39	6.37E-11	2.98E-09
<i>CNR1</i>	Down	0.35	6.46E-11	3.02E-09
<i>ADARB2</i>	Down	0.34	6.61E-11	3.08E-09
<i>TGM1</i>	Down	0.44	7.17E-11	3.33E-09
<i>IGFBPL1</i>	Down	0.35	7.32E-11	3.40E-09
<i>KRT85</i>	Down	0.21	7.39E-11	3.42E-09
<i>FBXO17</i>	Down	0.40	7.40E-11	3.42E-09
<i>NDST3</i>	Down	0.33	7.42E-11	3.42E-09
<i>SLC7A8</i>	Down	0.49	7.63E-11	3.51E-09
<i>C9orf84</i>	Down	0.30	7.93E-11	3.63E-09
<i>UPK3B</i>	Down	0.42	8.06E-11	3.68E-09
<i>PSD2</i>	Down	0.39	8.49E-11	3.87E-09
<i>FAM133A</i>	Down	0.16	8.66E-11	3.93E-09
<i>USP44</i>	Down	0.42	8.85E-11	4.01E-09
<i>MAGEA10</i>	Down	0.06	9.05E-11	4.09E-09
<i>BHMT2</i>	Down	0.39	9.48E-11	4.27E-09
<i>KCNIP1</i>	Down	0.37	9.57E-11	4.30E-09
<i>TCEAL5</i>	Down	0.37	9.70E-11	4.33E-09
<i>MEG3</i>	Down	0.41	9.71E-11	4.33E-09
<i>LAMC3</i>	Down	0.49	9.79E-11	4.35E-09
<i>CCBE1</i>	Down	0.29	1.05E-10	4.63E-09
<i>ADCY8</i>	Down	0.08	1.18E-10	5.18E-09
<i>GABRQ</i>	Down	0.23	1.18E-10	5.18E-09
<i>C8orf46</i>	Down	0.44	1.24E-10	5.41E-09
<i>GPR17</i>	Down	0.39	1.28E-10	5.59E-09
<i>RASGRF1</i>	Down	0.33	1.28E-10	5.59E-09
<i>HPSE2</i>	Down	0.26	1.31E-10	5.68E-09
<i>MS4A15</i>	Down	0.30	1.50E-10	6.47E-09
<i>APCDD1</i>	Down	0.42	1.54E-10	6.64E-09
<i>MSMB</i>	Down	0.18	1.64E-10	7.01E-09
<i>ZNF506</i>	Down	0.50	1.75E-10	7.44E-09
<i>NTRK3</i>	Down	0.40	1.84E-10	7.76E-09
<i>XAGE1D</i>	Down	0.08	1.93E-10	8.09E-09
<i>MGC2889</i>	Down	0.34	1.96E-10	8.21E-09
<i>GPR81</i>	Down	0.48	1.97E-10	8.23E-09
<i>TFR2</i>	Up	2.17	2.01E-10	8.36E-09
<i>C5orf38</i>	Down	0.24	2.07E-10	8.59E-09
<i>LG12</i>	Down	0.45	2.12E-10	8.79E-09
<i>SDK1</i>	Down	0.49	2.13E-10	8.83E-09
<i>MEOX1</i>	Down	0.36	2.42E-10	9.84E-09
<i>CECR2</i>	Down	0.37	2.42E-10	9.84E-09



<i>SUSD4</i>	Down	0.45	2.77E-10	1.12E-08
<i>NTSR1</i>	Down	0.32	2.80E-10	1.13E-08
<i>CDH20</i>	Down	0.33	2.84E-10	1.14E-08
<i>KREMEN1</i>	Down	0.50	2.87E-10	1.15E-08
<i>BHLHE41</i>	Down	0.49	2.93E-10	1.16E-08
<i>GRIK5</i>	Down	0.38	3.13E-10	1.24E-08
<i>CLCNKB</i>	Down	0.44	3.19E-10	1.26E-08
<i>PDE6B</i>	Down	0.42	3.34E-10	1.30E-08
<i>MYOD1</i>	Down	0.13	3.55E-10	1.38E-08
<i>FAM19A5</i>	Down	0.43	3.65E-10	1.41E-08
<i>NEFL</i>	Down	0.26	3.93E-10	1.51E-08
<i>C6orf123</i>	Down	0.32	4.16E-10	1.60E-08
<i>SLITRK4</i>	Down	0.28	4.17E-10	1.60E-08
<i>SCXB</i>	Down	0.42	4.24E-10	1.62E-08
<i>ATP2B3</i>	Down	0.29	4.26E-10	1.63E-08
<i>TNNT3</i>	Down	0.23	4.40E-10	1.68E-08
<i>FGF3</i>	Down	0.12	4.43E-10	1.68E-08
<i>CHL1</i>	Down	0.33	4.43E-10	1.68E-08
<i>ANKLE1</i>	Down	0.44	4.48E-10	1.70E-08
<i>KNG1</i>	Down	0.22	4.59E-10	1.73E-08
<i>GAGE4</i>	Down	0.06	4.84E-10	1.82E-08
<i>C18orf2</i>	Down	0.18	4.92E-10	1.85E-08
<i>SPON1</i>	Down	0.35	5.00E-10	1.88E-08
<i>NRAP</i>	Down	0.36	5.56E-10	2.08E-08
<i>ATP1A4</i>	Down	0.27	5.59E-10	2.09E-08
<i>GCK</i>	Down	0.35	5.91E-10	2.20E-08
<i>C1orf114</i>	Down	0.39	6.06E-10	2.25E-08
<i>PTPN5</i>	Down	0.29	6.37E-10	2.35E-08
<i>ANKRD7</i>	Down	0.30	6.42E-10	2.37E-08
<i>MAP7D2</i>	Down	0.41	7.59E-10	2.78E-08
<i>KCNA2</i>	Down	0.33	7.71E-10	2.82E-08
<i>NLGN1</i>	Down	0.33	7.74E-10	2.82E-08
<i>BEX5</i>	Up	2.80	7.76E-10	2.82E-08
<i>NKD2</i>	Down	0.42	7.79E-10	2.83E-08
<i>ZNF727</i>	Down	0.39	7.85E-10	2.85E-08
<i>TMEM195</i>	Down	0.21	7.97E-10	2.88E-08
<i>TH</i>	Down	0.36	8.51E-10	3.07E-08
<i>GFRA3</i>	Down	0.31	8.52E-10	3.07E-08
<i>FAM178B</i>	Down	0.40	9.21E-10	3.31E-08
<i>MAL</i>	Down	0.32	9.22E-10	3.31E-08
<i>BEST3</i>	Down	0.23	9.82E-10	3.50E-08
<i>HRASLS</i>	Down	0.41	9.90E-10	3.51E-08
<i>CTAG1B</i>	Down	0.07	1.08E-09	3.83E-08
<i>HPDL</i>	Down	0.44	1.11E-09	3.92E-08
<i>MGC16121</i>	Down	0.47	1.19E-09	4.14E-08
<i>GALNT8</i>	Down	0.27	1.19E-09	4.15E-08
<i>CT45A3</i>	Down	0.16	1.24E-09	4.29E-08
<i>TRPM5</i>	Down	0.35	1.30E-09	4.48E-08
<i>SLC30A3</i>	Down	0.35	1.32E-09	4.54E-08
<i>SRCRB4D</i>	Down	0.45	1.33E-09	4.58E-08

<i>MYOZ1</i>	Down	0.38	1.34E-09	4.60E-08
<i>PROX1</i>	Down	0.34	1.35E-09	4.60E-08
<i>NRG2</i>	Down	0.45	1.35E-09	4.62E-08
<i>AMBN</i>	Down	0.11	1.55E-09	5.30E-08
<i>ELOVL4</i>	Down	0.46	1.59E-09	5.41E-08
<i>GABRR1</i>	Down	0.35	1.64E-09	5.58E-08
<i>Mar-11</i>	Down	0.11	1.86E-09	6.31E-08
<i>PTGS2</i>	Up	2.72	1.88E-09	6.33E-08
<i>C3orf67</i>	Down	0.41	1.95E-09	6.55E-08
<i>PLXNA4</i>	Down	0.37	1.97E-09	6.61E-08
<i>TSPAN7</i>	Down	0.47	2.02E-09	6.75E-08
<i>AKR1C4</i>	Up	3.06	2.05E-09	6.81E-08
<i>CACNG4</i>	Down	0.36	2.06E-09	6.82E-08
<i>ZDBF2</i>	Down	0.44	2.28E-09	7.51E-08
<i>CPAMD8</i>	Down	0.46	2.38E-09	7.83E-08
<i>HTR1E</i>	Down	0.17	2.38E-09	7.83E-08
<i>NGFR</i>	Down	0.42	2.40E-09	7.88E-08
<i>HOXC6</i>	Up	3.19	2.46E-09	8.04E-08
<i>NUDT9P1</i>	Down	0.47	2.53E-09	8.26E-08
<i>SYT14</i>	Down	0.25	2.60E-09	8.46E-08
<i>GPR26</i>	Down	0.18	2.60E-09	8.46E-08
<i>FAM43B</i>	Down	0.43	2.61E-09	8.46E-08
<i>HOXC11</i>	Up	3.93	2.62E-09	8.48E-08
<i>SCG5</i>	Down	0.45	2.63E-09	8.48E-08
<i>GSTA1</i>	Down	0.35	2.63E-09	8.48E-08
<i>HPD</i>	Down	0.38	2.64E-09	8.49E-08
<i>ASTN1</i>	Down	0.38	2.69E-09	8.62E-08
<i>SP5</i>	Down	0.34	2.75E-09	8.79E-08
<i>KCNQ5</i>	Down	0.34	2.76E-09	8.81E-08
<i>NPFFR2</i>	Down	0.17	2.92E-09	9.24E-08
<i>SEMA6D</i>	Down	0.49	3.07E-09	9.70E-08
<i>CDKL2</i>	Down	0.43	3.13E-09	9.86E-08
<i>SALL4</i>	Down	0.42	3.22E-09	1.01E-07
<i>FOXN1</i>	Down	0.33	3.26E-09	1.02E-07
<i>LOC100302640</i>	Down	0.43	3.36E-09	1.05E-07
<i>DEPDC7</i>	Down	0.46	3.39E-09	1.06E-07
<i>RNF165</i>	Down	0.46	3.49E-09	1.08E-07
<i>DKK4</i>	Down	0.14	3.85E-09	1.18E-07
<i>SNX32</i>	Down	0.44	3.96E-09	1.21E-07
<i>KRT31</i>	Down	0.19	3.96E-09	1.21E-07
<i>GRIN2B</i>	Down	0.26	3.98E-09	1.22E-07
<i>TUBA3D</i>	Down	0.32	4.07E-09	1.24E-07
<i>KCNE1L</i>	Down	0.42	4.18E-09	1.27E-07
<i>TPH1</i>	Down	0.26	4.19E-09	1.28E-07
<i>KLK3</i>	Down	0.27	4.30E-09	1.31E-07
<i>OSBPL6</i>	Down	0.40	4.57E-09	1.38E-07
<i>COLEC10</i>	Down	0.42	4.66E-09	1.40E-07
<i>LRRN4</i>	Down	0.41	4.66E-09	1.40E-07
<i>NAP1L6</i>	Down	0.26	4.72E-09	1.42E-07
<i>LOC399815</i>	Down	0.33	4.92E-09	1.47E-07

<i>CDH22</i>	Down	0.29	4.99E-09	1.49E-07
<i>ITM2C</i>	Down	0.50	5.06E-09	1.51E-07
<i>JSRP1</i>	Up	2.37	5.21E-09	1.55E-07
<i>TMEM90B</i>	Down	0.39	5.31E-09	1.58E-07
<i>C1QL2</i>	Down	0.17	5.37E-09	1.59E-07
<i>BHMT</i>	Down	0.40	5.48E-09	1.62E-07
<i>CCDC155</i>	Down	0.40	5.48E-09	1.62E-07
<i>CLSTN2</i>	Down	0.46	5.84E-09	1.72E-07
<i>TDRD10</i>	Down	0.46	5.85E-09	1.72E-07
<i>WNT11</i>	Down	0.40	5.93E-09	1.74E-07
<i>PXDN</i>	Down	0.48	5.99E-09	1.75E-07
<i>KIAA1383</i>	Down	0.45	6.00E-09	1.75E-07
<i>C9orf173</i>	Down	0.37	6.27E-09	1.82E-07
<i>GAB4</i>	Down	0.11	6.42E-09	1.86E-07
<i>CT45A1</i>	Down	0.17	6.57E-09	1.90E-07
<i>MAP3K15</i>	Down	0.35	7.18E-09	2.06E-07
<i>GPIHBP1</i>	Down	0.42	7.31E-09	2.09E-07
<i>LOC254559</i>	Down	0.38	7.38E-09	2.10E-07
<i>SLC19A3</i>	Down	0.36	7.57E-09	2.15E-07
<i>TXNDC3</i>	Down	0.42	7.74E-09	2.20E-07
<i>ABCA17P</i>	Down	0.38	7.84E-09	2.22E-07
<i>CT45A2</i>	Down	0.14	8.14E-09	2.29E-07
<i>EBF3</i>	Down	0.42	8.35E-09	2.35E-07
<i>LOC100133469</i>	Down	0.05	8.42E-09	2.36E-07
<i>LRRN2</i>	Down	0.42	8.50E-09	2.38E-07
<i>HMGCLL1</i>	Down	0.28	8.80E-09	2.46E-07
<i>NAA11</i>	Down	0.07	8.88E-09	2.48E-07
<i>AGBL4</i>	Down	0.42	8.91E-09	2.49E-07
<i>MACROD2</i>	Down	0.48	8.99E-09	2.51E-07
<i>ANTXRL</i>	Down	0.15	9.12E-09	2.54E-07
<i>CT45A4</i>	Down	0.17	9.14E-09	2.54E-07
<i>SCN8A</i>	Down	0.46	9.31E-09	2.58E-07
<i>VWA5B1</i>	Down	0.33	9.42E-09	2.61E-07
<i>BMP2</i>	Up	2.19	9.47E-09	2.62E-07
<i>NKAIN2</i>	Down	0.34	9.60E-09	2.65E-07
<i>CYP2A13</i>	Down	0.19	9.84E-09	2.71E-07
<i>CCDC67</i>	Down	0.26	9.93E-09	2.73E-07
<i>PCDH15</i>	Down	0.21	9.93E-09	2.73E-07
<i>FAT3</i>	Down	0.41	1.10E-08	3.01E-07
<i>CHRNB4</i>	Down	0.45	1.14E-08	3.11E-07
<i>LOC116437</i>	Down	0.17	1.18E-08	3.22E-07
<i>RBM20</i>	Down	0.49	1.22E-08	3.28E-07
<i>C6orf147</i>	Down	0.43	1.23E-08	3.31E-07
<i>LOC389493</i>	Down	0.31	1.26E-08	3.37E-07
<i>OTC</i>	Down	0.19	1.34E-08	3.58E-07
<i>KCNK2</i>	Down	0.32	1.45E-08	3.87E-07
<i>KCNA5</i>	Down	0.47	1.54E-08	4.09E-07
<i>SPAG17</i>	Down	0.42	1.64E-08	4.34E-07
<i>GRIN1</i>	Up	2.12	1.65E-08	4.36E-07
<i>ACTN2</i>	Down	0.40	1.66E-08	4.36E-07

<i>CPEB1</i>	Down	0.44	1.66E-08	4.37E-07
<i>AMBP</i>	Up	2.68	1.68E-08	4.41E-07
<i>NBPF22P</i>	Down	0.46	1.71E-08	4.48E-07
<i>ZNF883</i>	Down	0.46	1.72E-08	4.50E-07
<i>CCNI2</i>	Down	0.46	1.77E-08	4.62E-07
<i>SYCP2L</i>	Down	0.42	1.82E-08	4.73E-07
<i>C7orf51</i>	Down	0.46	1.84E-08	4.76E-07
<i>CNPY1</i>	Down	0.13	1.95E-08	5.03E-07
<i>GPM6A</i>	Down	0.33	2.00E-08	5.15E-07
<i>LRRTM4</i>	Down	0.31	2.03E-08	5.22E-07
<i>ZNF208</i>	Down	0.42	2.14E-08	5.48E-07
<i>VCX2</i>	Down	0.25	2.16E-08	5.53E-07
<i>NEU4</i>	Down	0.38	2.18E-08	5.55E-07
<i>CCDC158</i>	Down	0.44	2.22E-08	5.63E-07
<i>FGF20</i>	Down	0.21	2.22E-08	5.64E-07
<i>HSPC072</i>	Down	0.26	2.25E-08	5.69E-07
<i>PCDHGB1</i>	Down	0.42	2.54E-08	6.36E-07
<i>MGC4473</i>	Down	0.34	2.57E-08	6.40E-07
<i>CCIN</i>	Down	0.45	2.57E-08	6.40E-07
<i>MME</i>	Down	0.49	2.60E-08	6.48E-07
<i>KRT7</i>	Down	0.50	2.74E-08	6.77E-07
<i>SCN2B</i>	Down	0.36	2.77E-08	6.84E-07
<i>SLC12A5</i>	Down	0.47	2.90E-08	7.12E-07
<i>CHRNA6</i>	Down	0.46	2.92E-08	7.15E-07
<i>MYO3A</i>	Down	0.20	2.92E-08	7.16E-07
<i>SCN1A</i>	Down	0.32	2.95E-08	7.20E-07
<i>FAM5B</i>	Down	0.33	2.96E-08	7.22E-07
<i>HHIP</i>	Up	2.38	3.02E-08	7.34E-07
<i>POU6F2</i>	Down	0.44	3.16E-08	7.66E-07
<i>SRRM4</i>	Down	0.29	3.17E-08	7.66E-07
<i>SYN2</i>	Down	0.36	3.28E-08	7.91E-07
<i>RHOXF2B</i>	Down	0.26	3.62E-08	8.61E-07
<i>LOC257358</i>	Down	0.39	3.69E-08	8.77E-07
<i>LYPD2</i>	Down	0.19	3.70E-08	8.79E-07
<i>OR2W3</i>	Down	0.37	3.73E-08	8.85E-07
<i>PCSK2</i>	Down	0.23	3.81E-08	9.03E-07
<i>PMCH</i>	Down	0.34	3.87E-08	9.15E-07
<i>TMEM132B</i>	Down	0.44	3.93E-08	9.29E-07
<i>HOXC10</i>	Up	4.12	3.99E-08	9.42E-07
<i>THRB</i>	Down	0.50	4.10E-08	9.63E-07
<i>KLKP1</i>	Down	0.26	4.13E-08	9.69E-07
<i>DCX</i>	Up	3.19	4.20E-08	9.83E-07
<i>DSCAML1</i>	Down	0.38	4.22E-08	9.87E-07
<i>TRIM58</i>	Down	0.41	4.70E-08	1.09E-06
<i>SPSB4</i>	Down	0.37	4.70E-08	1.09E-06
<i>CT45A5</i>	Down	0.18	4.95E-08	1.15E-06
<i>RFX4</i>	Down	0.23	5.01E-08	1.16E-06
<i>CDH18</i>	Down	0.19	5.35E-08	1.22E-06
<i>BNIPL</i>	Down	0.48	5.44E-08	1.24E-06
<i>SLC5A8</i>	Down	0.18	5.45E-08	1.24E-06

<i>LRRN1</i>	Down	0.41	5.61E-08	1.27E-06
<i>ZNF157</i>	Down	0.46	5.64E-08	1.28E-06
<i>GRM8</i>	Down	0.41	5.70E-08	1.29E-06
<i>PHACTR3</i>	Down	0.38	5.99E-08	1.35E-06
<i>C6orf222</i>	Down	0.38	6.45E-08	1.43E-06
<i>COX6B2</i>	Down	0.46	6.62E-08	1.46E-06
<i>PKDCC</i>	Up	2.04	6.66E-08	1.47E-06
<i>ZNF98</i>	Down	0.46	6.71E-08	1.48E-06
<i>DNER</i>	Down	0.38	6.91E-08	1.52E-06
<i>PHOX2A</i>	Down	0.18	6.93E-08	1.52E-06
<i>PKIA</i>	Down	0.43	6.93E-08	1.52E-06
<i>MYOT</i>	Down	0.39	7.13E-08	1.55E-06
<i>GABBR2</i>	Down	0.43	7.14E-08	1.55E-06
<i>PCP4</i>	Down	0.37	7.14E-08	1.55E-06
<i>TMEM59L</i>	Down	0.44	7.30E-08	1.58E-06
<i>ANO5</i>	Down	0.50	7.32E-08	1.59E-06
<i>IL19</i>	Up	2.61	7.84E-08	1.69E-06
<i>C2orf58</i>	Down	0.48	8.02E-08	1.72E-06
<i>LEMD1</i>	Down	0.42	8.13E-08	1.74E-06
<i>LGSN</i>	Down	0.33	8.22E-08	1.76E-06
<i>C3orf14</i>	Down	0.50	8.35E-08	1.79E-06
<i>TGM6</i>	Down	0.19	8.36E-08	1.79E-06
<i>WNT2B</i>	Down	0.50	8.39E-08	1.79E-06
<i>C10orf140</i>	Down	0.41	8.43E-08	1.80E-06
<i>CTXN2</i>	Down	0.49	8.83E-08	1.88E-06
<i>DRD2</i>	Down	0.41	8.85E-08	1.88E-06
<i>PCBP3</i>	Down	0.49	8.99E-08	1.90E-06
<i>ASCL1</i>	Up	3.71	9.11E-08	1.92E-06
<i>LGALS7B</i>	Down	0.46	9.33E-08	1.96E-06
<i>LPA</i>	Down	0.35	9.51E-08	2.00E-06
<i>DSCR6</i>	Up	2.01	9.56E-08	2.00E-06
<i>GLRA2</i>	Down	0.38	9.62E-08	2.01E-06
<i>NCRNA00164</i>	Down	0.39	9.82E-08	2.05E-06
<i>RAPSN</i>	Down	0.45	9.94E-08	2.08E-06
<i>TGM3</i>	Up	2.28	9.97E-08	2.08E-06
<i>AKR1B10</i>	Up	2.82	1.06E-07	2.21E-06
<i>FAM163B</i>	Down	0.21	1.11E-07	2.30E-06
<i>LY6K</i>	Down	0.47	1.12E-07	2.31E-06
<i>PCSK9</i>	Up	2.09	1.14E-07	2.34E-06
<i>LY6G6E</i>	Down	0.26	1.17E-07	2.41E-06
<i>KCNJ16</i>	Down	0.32	1.21E-07	2.48E-06
<i>LOC285375</i>	Down	0.21	1.25E-07	2.55E-06
<i>LRP2</i>	Down	0.32	1.26E-07	2.56E-06
<i>SPERT</i>	Down	0.36	1.28E-07	2.62E-06
<i>TSG1</i>	Down	0.32	1.29E-07	2.62E-06
<i>LRRTM1</i>	Down	0.41	1.33E-07	2.70E-06
<i>GLB1L3</i>	Down	0.38	1.33E-07	2.71E-06
<i>LCN10</i>	Down	0.39	1.34E-07	2.71E-06
<i>SERPIND1</i>	Down	0.38	1.44E-07	2.89E-06
<i>CUX2</i>	Down	0.40	1.52E-07	3.06E-06

<i>HIST1H2BI</i>	Down	0.44	1.56E-07	3.12E-06
<i>IGFALS</i>	Down	0.44	1.56E-07	3.13E-06
<i>SSX6</i>	Down	0.23	1.60E-07	3.20E-06
<i>CT45A6</i>	Down	0.18	1.60E-07	3.20E-06
<i>FBXO2</i>	Down	0.44	1.62E-07	3.22E-06
<i>GSTA2</i>	Down	0.41	1.64E-07	3.26E-06
<i>DPT</i>	Down	0.42	1.64E-07	3.26E-06
<i>TULP1</i>	Down	0.47	1.67E-07	3.30E-06
<i>TMEM26</i>	Down	0.48	1.75E-07	3.45E-06
<i>ABO</i>	Down	0.37	1.78E-07	3.50E-06
<i>TMEM63C</i>	Down	0.41	1.90E-07	3.71E-06
<i>PON1</i>	Down	0.28	1.99E-07	3.86E-06
<i>CHD5</i>	Down	0.47	2.04E-07	3.95E-06
<i>GPR158</i>	Down	0.36	2.09E-07	4.05E-06
<i>GOLGA7B</i>	Down	0.45	2.12E-07	4.10E-06
<i>C21orf130</i>	Down	0.47	2.13E-07	4.10E-06
<i>LOC255167</i>	Down	0.35	2.13E-07	4.10E-06
<i>ZDHHC19</i>	Down	0.40	2.21E-07	4.24E-06
<i>KCNS1</i>	Down	0.44	2.37E-07	4.52E-06
<i>C21orf99</i>	Down	0.42	2.47E-07	4.69E-06
<i>CACNA1I</i>	Down	0.41	2.58E-07	4.87E-06
<i>WBSCR17</i>	Down	0.41	2.59E-07	4.89E-06
<i>IRX6</i>	Down	0.30	2.64E-07	4.98E-06
<i>PCDHGA7</i>	Down	0.50	2.69E-07	5.05E-06
<i>OR1Q1</i>	Down	0.29	2.73E-07	5.12E-06
<i>C11orf36</i>	Down	0.26	2.85E-07	5.31E-06
<i>SSTR1</i>	Down	0.44	2.88E-07	5.36E-06
<i>CPLX3</i>	Up	3.48	2.94E-07	5.44E-06
<i>S100A1</i>	Down	0.42	2.95E-07	5.46E-06
<i>MAGEL2</i>	Down	0.45	3.08E-07	5.67E-06
<i>SOHLH1</i>	Down	0.29	3.14E-07	5.77E-06
<i>HHLA2</i>	Down	0.48	3.17E-07	5.82E-06
<i>CYP24A1</i>	Up	2.54	3.17E-07	5.82E-06
<i>NRXN3</i>	Down	0.47	3.22E-07	5.89E-06
<i>MUC4</i>	Down	0.39	3.41E-07	6.21E-06
<i>DKK1</i>	Down	0.29	3.48E-07	6.31E-06
<i>ANKRD26P1</i>	Down	0.18	3.51E-07	6.35E-06
<i>FMO3</i>	Down	0.45	3.52E-07	6.37E-06
<i>MKRN3</i>	Down	0.25	3.63E-07	6.53E-06
<i>CORO6</i>	Down	0.49	3.66E-07	6.57E-06
<i>GFRA2</i>	Down	0.47	4.10E-07	7.27E-06
<i>COL6A6</i>	Down	0.43	4.14E-07	7.33E-06
<i>ADD2</i>	Down	0.47	4.17E-07	7.38E-06
<i>IL1A</i>	Up	2.23	4.20E-07	7.42E-06
<i>TNFSF8</i>	Down	0.48	4.26E-07	7.51E-06
<i>LOC84931</i>	Down	0.48	4.34E-07	7.62E-06
<i>C22orf31</i>	Down	0.39	4.52E-07	7.91E-06
<i>NXF2</i>	Down	0.28	4.69E-07	8.18E-06
<i>NOVA1</i>	Down	0.47	4.80E-07	8.36E-06
<i>LSAMP</i>	Down	0.47	5.20E-07	8.93E-06

<i>KIAA1210</i>	Down	0.44	5.21E-07	8.94E-06
<i>KCNT2</i>	Down	0.40	5.27E-07	9.02E-06
<i>GRIK3</i>	Down	0.46	5.46E-07	9.28E-06
<i>TSHR</i>	Down	0.38	5.53E-07	9.37E-06
<i>ONECUT3</i>	Up	4.23	5.68E-07	9.60E-06
<i>PRSS21</i>	Down	0.37	6.32E-07	1.06E-05
<i>GPC3</i>	Down	0.48	6.36E-07	1.06E-05
<i>AKR1C3</i>	Up	2.31	6.41E-07	1.07E-05
<i>PGC</i>	Down	0.32	6.43E-07	1.07E-05
<i>MSH4</i>	Up	2.06	6.55E-07	1.08E-05
<i>C20orf203</i>	Down	0.45	6.60E-07	1.09E-05
<i>SLC39A5</i>	Down	0.37	6.72E-07	1.11E-05
<i>MGAM</i>	Down	0.45	7.22E-07	1.19E-05
<i>SLIT1</i>	Down	0.46	7.36E-07	1.21E-05
<i>PDYN</i>	Down	0.10	7.40E-07	1.21E-05
<i>SCGB3A1</i>	Up	3.13	7.63E-07	1.24E-05
<i>LECT1</i>	Down	0.16	7.85E-07	1.27E-05
<i>COL25A1</i>	Down	0.41	7.87E-07	1.28E-05
<i>C21orf29</i>	Down	0.38	8.20E-07	1.32E-05
<i>SLC22A16</i>	Down	0.39	8.30E-07	1.34E-05
<i>RHO</i>	Down	0.32	8.33E-07	1.34E-05
<i>C7orf52</i>	Down	0.36	8.94E-07	1.43E-05
<i>GOLGA6L1</i>	Down	0.45	9.41E-07	1.50E-05
<i>RUNDC3A</i>	Down	0.50	9.53E-07	1.51E-05
<i>TMEM233</i>	Down	0.43	9.80E-07	1.54E-05
<i>C9orf53</i>	Down	0.36	9.84E-07	1.55E-05
<i>LGALS7</i>	Down	0.49	1.00E-06	1.57E-05
<i>LOC100132354</i>	Down	0.26	1.01E-06	1.57E-05
<i>RGS7BP</i>	Down	0.49	1.01E-06	1.57E-05
<i>CCR3</i>	Down	0.46	1.03E-06	1.60E-05
<i>GOLGA6L6</i>	Down	0.47	1.05E-06	1.63E-05
<i>MAGEA12</i>	Down	0.26	1.06E-06	1.63E-05
<i>ANKRD34B</i>	Down	0.38	1.07E-06	1.65E-05
<i>C3orf55</i>	Down	0.28	1.09E-06	1.68E-05
<i>PAPPA2</i>	Down	0.38	1.13E-06	1.73E-05
<i>CRIP3</i>	Down	0.50	1.17E-06	1.78E-05
<i>ODZ3</i>	Down	0.45	1.19E-06	1.80E-05
<i>ZDHHC22</i>	Down	0.32	1.20E-06	1.82E-05
<i>MCOLN3</i>	Down	0.50	1.21E-06	1.83E-05
<i>NPFFR1</i>	Down	0.39	1.21E-06	1.83E-05
<i>AZGP1</i>	Down	0.36	1.26E-06	1.89E-05
<i>C2orf40</i>	Down	0.42	1.28E-06	1.92E-05
<i>MDGA2</i>	Down	0.35	1.29E-06	1.93E-05
<i>INSRR</i>	Down	0.44	1.32E-06	1.98E-05
<i>GSDMA</i>	Down	0.48	1.32E-06	1.98E-05
<i>SPAG11B</i>	Down	0.28	1.34E-06	2.01E-05
<i>LOC100128076</i>	Down	0.29	1.34E-06	2.01E-05
<i>AGT</i>	Down	0.47	1.35E-06	2.01E-05
<i>CR2</i>	Down	0.49	1.38E-06	2.06E-05
<i>FGF19</i>	Down	0.33	1.39E-06	2.07E-05

<i>DPYSL5</i>	Down	0.25	1.41E-06	2.10E-05
<i>CCKBR</i>	Up	2.42	1.47E-06	2.17E-05
<i>MPPED1</i>	Down	0.33	1.47E-06	2.17E-05
<i>DUSP15</i>	Down	0.49	1.48E-06	2.18E-05
<i>ZNF257</i>	Down	0.47	1.49E-06	2.18E-05
<i>SPINK2</i>	Down	0.43	1.51E-06	2.21E-05
<i>IGF2BP2</i>	Down	0.46	1.54E-06	2.24E-05
<i>SV2B</i>	Down	0.48	1.54E-06	2.24E-05
<i>GPRIN2</i>	Down	0.37	1.55E-06	2.25E-05
<i>DMRTA2</i>	Up	2.19	1.63E-06	2.36E-05
<i>NCRNA00162</i>	Down	0.20	1.64E-06	2.37E-05
<i>PRSS45</i>	Down	0.45	1.65E-06	2.38E-05
<i>MCCD1</i>	Down	0.23	1.66E-06	2.38E-05
<i>FAM83A</i>	Down	0.41	1.66E-06	2.39E-05
<i>PAGE5</i>	Down	0.23	1.82E-06	2.60E-05
<i>TBX4</i>	Down	0.43	1.83E-06	2.60E-05
<i>PROKR2</i>	Down	0.14	1.86E-06	2.65E-05
<i>PTPRZ1</i>	Down	0.32	1.90E-06	2.70E-05
<i>AP3B2</i>	Down	0.46	1.92E-06	2.73E-05
<i>CRYM</i>	Down	0.45	1.95E-06	2.76E-05
<i>LMAN1L</i>	Up	3.70	1.99E-06	2.81E-05
<i>ZNF385B</i>	Up	2.38	2.13E-06	2.99E-05
<i>CNGB3</i>	Down	0.35	2.22E-06	3.10E-05
<i>MYO7B</i>	Down	0.46	2.29E-06	3.19E-05
<i>LOC284798</i>	Down	0.38	2.30E-06	3.19E-05
<i>LOC644669</i>	Down	0.37	2.39E-06	3.31E-05
<i>CXCL14</i>	Down	0.43	2.41E-06	3.33E-05
<i>TCERG1L</i>	Down	0.38	2.47E-06	3.39E-05
<i>CNTNAP5</i>	Down	0.29	2.54E-06	3.47E-05
<i>RBPJL</i>	Down	0.40	2.65E-06	3.60E-05
<i>SORCS3</i>	Down	0.31	2.68E-06	3.63E-05
<i>REG3A</i>	Down	0.11	2.69E-06	3.64E-05
<i>CYP2A7</i>	Down	0.32	2.75E-06	3.71E-05
<i>LIPJ</i>	Down	0.37	2.77E-06	3.74E-05
<i>HTR3C</i>	Down	0.32	2.88E-06	3.86E-05
<i>PCDHGB4</i>	Down	0.48	3.10E-06	4.10E-05
<i>KRT76</i>	Down	0.12	3.18E-06	4.21E-05
<i>BTNL9</i>	Down	0.49	3.41E-06	4.47E-05
<i>GNASAS</i>	Down	0.30	3.48E-06	4.55E-05
<i>SSX2</i>	Down	0.26	3.57E-06	4.67E-05
<i>PCDHA11</i>	Down	0.36	3.59E-06	4.69E-05
<i>GH1</i>	Down	0.24	3.73E-06	4.83E-05
<i>REG1A</i>	Down	0.32	3.82E-06	4.95E-05
<i>TMEM212</i>	Down	0.46	3.94E-06	5.07E-05
<i>PIWIL1</i>	Down	0.42	3.94E-06	5.08E-05
<i>ALG1L2</i>	Down	0.45	4.56E-06	5.76E-05
<i>BRDT</i>	Down	0.23	4.59E-06	5.80E-05
<i>ADAMTS20</i>	Down	0.31	4.72E-06	5.94E-05
<i>BMP3</i>	Down	0.48	4.78E-06	6.01E-05
<i>TLL2</i>	Down	0.49	4.80E-06	6.04E-05



<i>FLJ45983</i>	Down	0.28	4.91E-06	6.16E-05
<i>PAH</i>	Down	0.30	4.98E-06	6.21E-05
<i>PGPEP1L</i>	Down	0.35	5.19E-06	6.42E-05
<i>CYP1A2</i>	Down	0.34	5.28E-06	6.52E-05
<i>SLC30A10</i>	Down	0.41	5.36E-06	6.61E-05
<i>KLHL1</i>	Down	0.19	5.37E-06	6.61E-05
<i>SLC38A3</i>	Down	0.48	5.46E-06	6.70E-05
<i>CNKSR2</i>	Down	0.42	5.49E-06	6.72E-05
<i>FBN3</i>	Down	0.42	5.51E-06	6.75E-05
<i>EDAR</i>	Down	0.47	5.56E-06	6.79E-05
<i>KLHL34</i>	Down	0.38	5.68E-06	6.92E-05
<i>PRPH</i>	Up	2.09	5.76E-06	6.99E-05
<i>CSTL1</i>	Down	0.38	5.81E-06	7.04E-05
<i>WIF1</i>	Down	0.35	5.85E-06	7.09E-05
<i>DRD1</i>	Down	0.39	5.86E-06	7.09E-05
<i>NKX2-2</i>	Up	4.88	5.87E-06	7.09E-05
<i>SLC12A1</i>	Down	0.41	5.99E-06	7.22E-05
<i>IGFN1</i>	Down	0.46	6.12E-06	7.36E-05
<i>MOBP</i>	Down	0.45	6.14E-06	7.39E-05
<i>LHFPL5</i>	Down	0.40	6.17E-06	7.41E-05
<i>SLC36A2</i>	Down	0.47	6.17E-06	7.41E-05
<i>SYN3</i>	Down	0.46	6.62E-06	7.88E-05
<i>SYT6</i>	Down	0.47	6.72E-06	7.96E-05
<i>SAGE1</i>	Down	0.23	6.82E-06	8.07E-05
<i>DHRS9</i>	Down	0.47	6.87E-06	8.12E-05
<i>FAM46D</i>	Down	0.42	6.99E-06	8.23E-05
<i>TPO</i>	Down	0.31	7.30E-06	8.56E-05
<i>LOC389033</i>	Down	0.42	7.44E-06	8.70E-05
<i>CXCL17</i>	Down	0.45	7.49E-06	8.75E-05
<i>RGR</i>	Up	3.16	7.56E-06	8.81E-05
<i>HIST1H3C</i>	Down	0.44	7.99E-06	9.27E-05
<i>TFF3</i>	Up	2.45	8.10E-06	9.34E-05
<i>TFF1</i>	Up	2.79	8.24E-06	9.48E-05
<i>KRT72</i>	Down	0.22	8.29E-06	9.52E-05
<i>C3P1</i>	Down	0.23	8.52E-06	9.74E-05
<i>KRTAP4-1</i>	Down	0.26	8.61E-06	9.84E-05
<i>C10orf90</i>	Down	0.35	8.92E-06	1.01E-04
<i>NLRP4</i>	Down	0.30	9.13E-06	1.03E-04
<i>HRNR</i>	Down	0.48	9.15E-06	1.03E-04
<i>PRMT8</i>	Down	0.40	9.62E-06	1.08E-04
<i>LMO3</i>	Down	0.37	9.75E-06	1.09E-04
<i>LINGO3</i>	Up	2.47	9.94E-06	1.11E-04
<i>LIN28B</i>	Down	0.33	1.05E-05	1.16E-04
<i>ENDOU</i>	Down	0.47	1.08E-05	1.19E-04
<i>H2BFWT</i>	Down	0.23	1.14E-05	1.25E-04
<i>NXF5</i>	Down	0.34	1.14E-05	1.25E-04
<i>UOX</i>	Down	0.39	1.14E-05	1.25E-04
<i>PADI4</i>	Down	0.46	1.17E-05	1.28E-04
<i>SLC17A8</i>	Down	0.34	1.17E-05	1.28E-04
<i>ELAVL3</i>	Down	0.49	1.20E-05	1.30E-04

SCG3	Down	0.38	1.21E-05	1.31E-04
C8B	Down	0.36	1.27E-05	1.37E-04
C20orf197	Down	0.50	1.28E-05	1.38E-04
TUBA3E	Down	0.39	1.30E-05	1.40E-04
GRIN2A	Down	0.48	1.33E-05	1.42E-04
SNORA11	Down	0.43	1.34E-05	1.43E-04
NAPSA	Down	0.48	1.35E-05	1.44E-04
LRTM1	Down	0.28	1.41E-05	1.49E-04
ELFN2	Down	0.43	1.43E-05	1.51E-04
SLC5A12	Down	0.42	1.46E-05	1.53E-04
ZP1	Down	0.49	1.51E-05	1.59E-04
C14orf39	Down	0.36	1.55E-05	1.61E-04
P2RX2	Down	0.45	1.55E-05	1.61E-04
CASR	Down	0.41	1.56E-05	1.62E-04
NKX6-2	Down	0.19	1.60E-05	1.66E-04
CES4	Up	2.32	1.67E-05	1.72E-04
DBX2	Down	0.34	1.71E-05	1.75E-04
LOC388387	Down	0.37	1.75E-05	1.80E-04
RSPH9	Down	0.49	1.75E-05	1.80E-04
GPR12	Down	0.17	1.80E-05	1.84E-04
ASPG	Down	0.46	1.82E-05	1.86E-04
GFRA4	Down	0.18	1.83E-05	1.86E-04
KRT36	Down	0.43	1.87E-05	1.90E-04
ELOVL3	Down	0.50	1.89E-05	1.92E-04
ZMAT4	Down	0.45	1.92E-05	1.94E-04
TCEAL2	Up	2.38	1.93E-05	1.94E-04
RFPL4A	Down	0.45	1.96E-05	1.97E-04
CST5	Down	0.32	1.97E-05	1.98E-04
GABRG2	Down	0.10	1.98E-05	1.99E-04
ABCG8	Down	0.46	2.07E-05	2.07E-04
VCY	Down	0.28	2.14E-05	2.12E-04
DAB1	Down	0.43	2.15E-05	2.13E-04
NCRNA00032	Down	0.43	2.18E-05	2.15E-04
FXD2	Down	0.43	2.20E-05	2.17E-04
KRTAP1-5	Down	0.43	2.26E-05	2.22E-04
KLRG2	Down	0.48	2.29E-05	2.25E-04
ZNF676	Down	0.46	2.36E-05	2.29E-04
KRT74	Down	0.37	2.38E-05	2.31E-04
PRDM9	Down	0.30	2.39E-05	2.32E-04
CDH19	Down	0.15	2.45E-05	2.37E-04
GPR142	Down	0.30	2.47E-05	2.38E-04
SCEL	Down	0.46	2.52E-05	2.41E-04
AMTN	Down	0.19	2.56E-05	2.46E-04
UCHL1	Down	0.46	2.57E-05	2.46E-04
ST8SIA2	Down	0.50	2.57E-05	2.46E-04
TEPP	Down	0.50	2.58E-05	2.47E-04
MAGEE2	Down	0.36	2.60E-05	2.49E-04
SEZ6	Down	0.49	2.68E-05	2.54E-04
C4orf7	Down	0.35	2.70E-05	2.56E-04
HAO2	Down	0.37	2.75E-05	2.60E-04

<i>KRT17</i>	Down	0.48	2.93E-05	2.75E-04
<i>PRSS41</i>	Down	0.31	2.96E-05	2.77E-04
<i>PAEP</i>	Down	0.39	3.02E-05	2.82E-04
<i>GJA8</i>	Down	0.24	3.02E-05	2.82E-04
<i>HTR3B</i>	Down	0.29	3.02E-05	2.82E-04
<i>KLK1</i>	Down	0.46	3.05E-05	2.84E-04
<i>TRPM1</i>	Down	0.42	3.15E-05	2.91E-04
<i>C17orf64</i>	Down	0.42	3.35E-05	3.07E-04
<i>C2orf71</i>	Down	0.39	3.54E-05	3.22E-04
<i>CAMKV</i>	Down	0.43	3.63E-05	3.30E-04
<i>CXCL13</i>	Up	2.23	3.69E-05	3.34E-04
<i>SLC38A8</i>	Down	0.42	3.69E-05	3.34E-04
<i>DSCR10</i>	Down	0.22	3.69E-05	3.34E-04
<i>KC6</i>	Down	0.21	3.77E-05	3.40E-04
<i>NCAN</i>	Down	0.41	3.80E-05	3.42E-04
<i>C9orf4</i>	Down	0.45	3.90E-05	3.50E-04
<i>XKR7</i>	Down	0.27	3.93E-05	3.52E-04
<i>NCRNA00158</i>	Up	2.26	4.02E-05	3.60E-04
<i>ANGPTL7</i>	Down	0.47	4.07E-05	3.64E-04
<i>GAP43</i>	Down	0.50	4.10E-05	3.66E-04
<i>FOXE1</i>	Down	0.30	4.12E-05	3.67E-04
<i>HOXB13</i>	Up	2.06	4.16E-05	3.69E-04
<i>BARX2</i>	Down	0.48	4.22E-05	3.74E-04
<i>LOC100131726</i>	Down	0.44	4.28E-05	3.78E-04
<i>FAM180B</i>	Down	0.46	4.28E-05	3.78E-04
<i>FAM71E2</i>	Down	0.37	4.29E-05	3.79E-04
<i>CNTNAP4</i>	Down	0.32	4.31E-05	3.80E-04
<i>KRT83</i>	Down	0.47	4.81E-05	4.20E-04
<i>ST8SIA3</i>	Down	0.15	4.98E-05	4.32E-04
<i>SERPINA12</i>	Down	0.28	5.11E-05	4.41E-04
<i>SNAR-G1</i>	Down	0.30	5.21E-05	4.49E-04
<i>KRT34</i>	Down	0.38	5.44E-05	4.68E-04
<i>KRTAP11-1</i>	Down	0.22	5.65E-05	4.83E-04
<i>MYBPHL</i>	Down	0.47	5.78E-05	4.93E-04
<i>FAM154A</i>	Down	0.48	6.16E-05	5.22E-04
<i>LOC285954</i>	Down	0.48	6.20E-05	5.24E-04
<i>OXT</i>	Down	0.36	6.24E-05	5.27E-04
<i>C3orf30</i>	Down	0.39	6.43E-05	5.40E-04
<i>TNNT1</i>	Down	0.43	6.55E-05	5.49E-04
<i>GABRG1</i>	Down	0.26	6.57E-05	5.50E-04
<i>BET3L</i>	Up	2.67	6.63E-05	5.54E-04
<i>INSC</i>	Up	2.01	6.65E-05	5.55E-04
<i>GNG13</i>	Down	0.39	6.79E-05	5.64E-04
<i>SLC12A3</i>	Down	0.49	6.81E-05	5.65E-04
<i>CDK5R2</i>	Down	0.44	6.82E-05	5.66E-04
<i>GJC3</i>	Down	0.48	7.17E-05	5.92E-04
<i>SLC14A1</i>	Down	0.48	7.33E-05	6.03E-04
<i>PTPN20B</i>	Down	0.46	7.42E-05	6.11E-04
<i>OR2T8</i>	Down	0.36	7.75E-05	6.32E-04
<i>SPAG11A</i>	Down	0.33	7.81E-05	6.36E-04

<i>C10orf53</i>	Down	0.36	7.81E-05	6.36E-04
<i>ITLN2</i>	Down	0.40	8.03E-05	6.50E-04
<i>RXFP4</i>	Up	2.19	8.12E-05	6.56E-04
<i>AACSL</i>	Down	0.36	8.19E-05	6.61E-04
<i>PSG1</i>	Down	0.33	8.71E-05	6.97E-04
<i>NDST4</i>	Up	3.07	8.72E-05	6.97E-04
<i>SBK2</i>	Down	0.41	9.36E-05	7.39E-04
<i>POU3F2</i>	Down	0.33	9.51E-05	7.49E-04
<i>SSX1</i>	Down	0.29	9.62E-05	7.56E-04
<i>FXYD4</i>	Down	0.43	9.65E-05	7.58E-04
<i>SLC24A2</i>	Down	0.40	1.03E-04	8.08E-04
<i>GRID2</i>	Down	0.36	1.06E-04	8.28E-04
<i>NCRNA00051</i>	Down	0.26	1.08E-04	8.39E-04
<i>HS3ST5</i>	Down	0.45	1.10E-04	8.53E-04
<i>RMST</i>	Down	0.37	1.10E-04	8.53E-04
<i>CRISP3</i>	Down	0.43	1.11E-04	8.57E-04
<i>ARHGDIG</i>	Up	2.27	1.16E-04	8.88E-04
<i>GPC5</i>	Down	0.46	1.16E-04	8.93E-04
<i>LOC100133545</i>	Down	0.46	1.17E-04	8.97E-04
<i>CPN2</i>	Down	0.32	1.18E-04	9.06E-04
<i>RETN</i>	Down	0.48	1.23E-04	9.36E-04
<i>GPX5</i>	Down	0.28	1.24E-04	9.45E-04
<i>SP7</i>	Down	0.37	1.26E-04	9.54E-04
<i>LOC151658</i>	Down	0.37	1.27E-04	9.60E-04
<i>MYH7</i>	Down	0.47	1.29E-04	9.73E-04
<i>UCMA</i>	Down	0.29	1.33E-04	1.01E-03
<i>SSX7</i>	Down	0.24	1.36E-04	1.02E-03
<i>SERPINA11</i>	Down	0.34	1.39E-04	1.04E-03
<i>TAS2R38</i>	Down	0.29	1.41E-04	1.06E-03
<i>RAX</i>	Down	0.27	1.49E-04	1.11E-03
<i>PEX5L</i>	Down	0.48	1.49E-04	1.11E-03
<i>CHST9</i>	Down	0.48	1.53E-04	1.13E-03
<i>MYH2</i>	Down	0.41	1.57E-04	1.16E-03
<i>FOXD3</i>	Down	0.26	1.62E-04	1.19E-03
<i>RBP2</i>	Down	0.36	1.65E-04	1.21E-03
<i>PIRT</i>	Down	0.46	1.67E-04	1.22E-03
<i>RTP2</i>	Down	0.38	1.69E-04	1.23E-03
<i>TAS2R43</i>	Down	0.48	1.72E-04	1.25E-03
<i>WDR16</i>	Down	0.50	1.73E-04	1.26E-03
<i>MYL10</i>	Down	0.35	1.74E-04	1.26E-03
<i>GRK1</i>	Down	0.31	1.76E-04	1.28E-03
<i>C13orf26</i>	Down	0.23	1.78E-04	1.29E-03
<i>SSX8</i>	Down	0.30	1.85E-04	1.32E-03
<i>FLJ34503</i>	Down	0.46	1.94E-04	1.38E-03
<i>PSG4</i>	Down	0.40	1.95E-04	1.39E-03
<i>ZNF536</i>	Down	0.50	1.97E-04	1.40E-03
<i>NHLH2</i>	Down	0.36	2.00E-04	1.41E-03
<i>KCNC2</i>	Down	0.34	2.00E-04	1.41E-03
<i>PPYR1</i>	Down	0.46	2.06E-04	1.45E-03
<i>GPR50</i>	Down	0.29	2.10E-04	1.47E-03

<i>IGFBP1</i>	Down	0.40	2.19E-04	1.52E-03
<i>HOXC8</i>	Up	2.42	2.23E-04	1.55E-03
<i>CRHR2</i>	Down	0.40	2.24E-04	1.55E-03
<i>CALY</i>	Down	0.45	2.25E-04	1.56E-03
<i>LOC100133893</i>	Down	0.45	2.28E-04	1.57E-03
<i>GRM3</i>	Down	0.48	2.30E-04	1.58E-03
<i>TMEM229A</i>	Down	0.35	2.45E-04	1.67E-03
<i>PRSS1</i>	Down	0.49	2.45E-04	1.67E-03
<i>EN1</i>	Down	0.33	2.56E-04	1.73E-03
<i>LOC729668</i>	Down	0.45	2.63E-04	1.77E-03
<i>BSX</i>	Down	0.18	2.68E-04	1.80E-03
<i>VSX2</i>	Down	0.32	2.72E-04	1.83E-03
<i>SFRP2</i>	Up	2.01	2.76E-04	1.85E-03
<i>HTR3D</i>	Down	0.41	2.80E-04	1.87E-03
<i>MAFA</i>	Down	0.40	2.94E-04	1.94E-03
<i>CA4</i>	Down	0.49	2.94E-04	1.95E-03
<i>KRTAP2-2</i>	Down	0.38	3.02E-04	1.99E-03
<i>KRT4</i>	Down	0.43	3.03E-04	1.99E-03
<i>COL19A1</i>	Down	0.50	3.08E-04	2.02E-03
<i>KRT33B</i>	Down	0.29	3.09E-04	2.02E-03
<i>DMBT1</i>	Down	0.47	3.12E-04	2.04E-03
<i>ACMSD</i>	Down	0.35	3.13E-04	2.05E-03
<i>OR1N1</i>	Down	0.25	3.16E-04	2.06E-03
<i>SMPX</i>	Down	0.38	3.28E-04	2.13E-03
<i>SYT9</i>	Down	0.47	3.28E-04	2.13E-03
<i>LOC100192426</i>	Down	0.43	3.51E-04	2.26E-03
<i>VSIG2</i>	Down	0.50	3.56E-04	2.28E-03
<i>KLK2</i>	Down	0.49	3.57E-04	2.29E-03
<i>AGXT2</i>	Down	0.33	3.58E-04	2.29E-03
<i>CRNN</i>	Down	0.39	3.65E-04	2.33E-03
<i>C11orf87</i>	Down	0.46	3.66E-04	2.34E-03
<i>OR2H2</i>	Down	0.41	3.70E-04	2.36E-03
<i>ABCC12</i>	Down	0.40	3.76E-04	2.39E-03
<i>MMP20</i>	Down	0.35	3.76E-04	2.39E-03
<i>CFHR5</i>	Down	0.17	3.76E-04	2.39E-03
<i>HS3ST6</i>	Down	0.47	3.78E-04	2.40E-03
<i>DSC1</i>	Down	0.50	3.87E-04	2.45E-03
<i>MGC45800</i>	Down	0.47	3.98E-04	2.51E-03
<i>FOXC2</i>	Up	2.00	3.99E-04	2.51E-03
<i>KCNV1</i>	Down	0.29	4.10E-04	2.57E-03
<i>HIST1H1T</i>	Down	0.47	4.14E-04	2.59E-03
<i>PDX1</i>	Up	2.64	4.16E-04	2.61E-03
<i>TRIM63</i>	Down	0.49	4.20E-04	2.62E-03
<i>PLD5</i>	Up	2.32	4.34E-04	2.70E-03
<i>ANXA13</i>	Down	0.49	4.46E-04	2.76E-03
<i>LOC340508</i>	Down	0.46	4.50E-04	2.78E-03
<i>MTNR1A</i>	Down	0.41	4.53E-04	2.79E-03
<i>C1orf180</i>	Down	0.44	4.58E-04	2.82E-03
<i>ACTL6B</i>	Down	0.33	4.66E-04	2.85E-03
<i>VSNL1</i>	Down	0.50	4.89E-04	2.97E-03

<i>PGA5</i>	Down	0.46	5.07E-04	3.06E-03
<i>HTR4</i>	Down	0.33	5.09E-04	3.07E-03
<i>LY6G6F</i>	Down	0.46	5.16E-04	3.11E-03
<i>ZNF679</i>	Down	0.29	5.17E-04	3.11E-03
<i>OR2T33</i>	Down	0.34	5.21E-04	3.13E-03
<i>NXPH2</i>	Down	0.39	5.37E-04	3.21E-03
<i>TCL1B</i>	Down	0.47	5.52E-04	3.29E-03
<i>HOXC13</i>	Up	2.96	5.58E-04	3.31E-03
<i>ARHGAP36</i>	Down	0.47	5.68E-04	3.37E-03
<i>FOXI2</i>	Down	0.43	5.86E-04	3.45E-03
<i>PENK</i>	Down	0.37	6.05E-04	3.54E-03
<i>KRTAP9-8</i>	Down	0.26	6.07E-04	3.55E-03
<i>PGLYRP4</i>	Down	0.48	6.47E-04	3.75E-03
<i>CDX2</i>	Down	0.41	6.65E-04	3.84E-03
<i>C17orf55</i>	Up	2.07	6.97E-04	3.99E-03
<i>TUBA3C</i>	Down	0.47	7.13E-04	4.06E-03
<i>REG3G</i>	Down	0.15	7.35E-04	4.17E-03
<i>KRTAP2-1</i>	Down	0.36	7.60E-04	4.28E-03
<i>CER1</i>	Down	0.44	7.73E-04	4.35E-03
<i>GPR128</i>	Down	0.33	7.77E-04	4.37E-03
<i>C21orf90</i>	Down	0.45	8.25E-04	4.59E-03
<i>COL20A1</i>	Down	0.42	8.27E-04	4.60E-03
<i>VWC2</i>	Down	0.50	8.51E-04	4.71E-03
<i>KRTAP4-12</i>	Down	0.22	8.52E-04	4.71E-03
<i>RIPPLY1</i>	Down	0.48	8.55E-04	4.72E-03
<i>AFP</i>	Down	0.44	8.86E-04	4.85E-03
<i>IL17A</i>	Up	3.44	8.98E-04	4.91E-03
<i>C1orf87</i>	Down	0.41	9.11E-04	4.97E-03
<i>CLC</i>	Down	0.33	9.43E-04	5.13E-03
<i>S100A7</i>	Up	2.49	9.65E-04	5.22E-03
<i>NCRNA00113</i>	Down	0.41	9.66E-04	5.23E-03
<i>POU3F3</i>	Down	0.29	1.01E-03	5.42E-03
<i>SCGB1C1</i>	Down	0.37	1.01E-03	5.44E-03
<i>LOC150185</i>	Down	0.44	1.03E-03	5.54E-03
<i>SLC34A1</i>	Down	0.38	1.05E-03	5.63E-03
<i>SYNPR</i>	Down	0.33	1.08E-03	5.75E-03
<i>LOC153910</i>	Down	0.39	1.10E-03	5.84E-03
<i>FFAR1</i>	Down	0.31	1.13E-03	5.98E-03
<i>FLG2</i>	Down	0.39	1.17E-03	6.11E-03
<i>IL29</i>	Down	0.48	1.18E-03	6.17E-03
<i>CTSG</i>	Down	0.50	1.22E-03	6.37E-03
<i>DEFB109P1B</i>	Down	0.48	1.23E-03	6.40E-03
<i>TKTL2</i>	Down	0.49	1.26E-03	6.51E-03
<i>PPY</i>	Down	0.29	1.29E-03	6.64E-03
<i>LYZL2</i>	Down	0.44	1.32E-03	6.76E-03
<i>BTNL2</i>	Down	0.45	1.33E-03	6.80E-03
<i>TMPRSS15</i>	Down	0.39	1.35E-03	6.89E-03
<i>LY6G6D</i>	Down	0.41	1.37E-03	6.95E-03
<i>QRFPR</i>	Down	0.44	1.46E-03	7.35E-03
<i>PANX3</i>	Down	0.38	1.47E-03	7.36E-03

<i>PWRN1</i>	Down	0.38	1.49E-03	7.44E-03
<i>CLEC4M</i>	Down	0.45	1.49E-03	7.46E-03
<i>FGF4</i>	Down	0.26	1.50E-03	7.50E-03
<i>SLC2A2</i>	Down	0.15	1.51E-03	7.53E-03
<i>POTEG</i>	Down	0.44	1.53E-03	7.63E-03
<i>FSTL5</i>	Down	0.46	1.55E-03	7.69E-03
<i>CARTPT</i>	Down	0.35	1.56E-03	7.74E-03
<i>KRT24</i>	Up	2.41	1.57E-03	7.77E-03
<i>CARD18</i>	Down	0.22	1.57E-03	7.79E-03
<i>OR7E5P</i>	Down	0.37	1.61E-03	7.94E-03
<i>CACNG1</i>	Down	0.47	1.61E-03	7.95E-03
<i>PSAPL1</i>	Down	0.29	1.63E-03	8.04E-03
<i>GDPD4</i>	Down	0.48	1.66E-03	8.16E-03
<i>CHP2</i>	Down	0.47	1.67E-03	8.17E-03
<i>UGT1A10</i>	Down	0.25	1.67E-03	8.20E-03
<i>IL1F9</i>	Down	0.48	1.71E-03	8.33E-03
<i>CYP3A7</i>	Down	0.46	1.72E-03	8.38E-03
<i>GATA5</i>	Down	0.44	1.78E-03	8.60E-03
<i>KCNB2</i>	Down	0.49	1.82E-03	8.77E-03
<i>SLC22A12</i>	Down	0.28	1.93E-03	9.20E-03
<i>CACNG8</i>	Down	0.35	1.94E-03	9.25E-03
<i>SCGB3A2</i>	Down	0.40	1.97E-03	9.37E-03
<i>KRTAP2-4</i>	Down	0.38	1.99E-03	9.45E-03
<i>ARPP21</i>	Down	0.41	2.06E-03	9.73E-03
<i>CTAG2</i>	Down	0.28	2.15E-03	0.01
<i>SERPINA10</i>	Down	0.44	2.17E-03	0.01
<i>OTOP1</i>	Down	0.38	2.21E-03	0.01
<i>XAGE3</i>	Down	0.37	2.26E-03	0.01
<i>VPREB1</i>	Down	0.18	2.37E-03	0.01
<i>TMEM196</i>	Down	0.43	2.38E-03	0.01
<i>LOC388428</i>	Down	0.45	2.42E-03	0.01
<i>LBP</i>	Down	0.47	2.60E-03	0.01
<i>HULC</i>	Down	0.50	2.62E-03	0.01
<i>NTSR2</i>	Down	0.40	2.75E-03	0.01
<i>C15orf2</i>	Down	0.49	2.76E-03	0.01
<i>HILS1</i>	Down	0.38	2.77E-03	0.01
<i>SOX1</i>	Down	0.30	2.81E-03	0.01
<i>WISP3</i>	Down	0.49	2.87E-03	0.01
<i>HMP19</i>	Down	0.49	2.87E-03	0.01
<i>ASCL4</i>	Down	0.38	2.88E-03	0.01
<i>LHX8</i>	Down	0.27	2.88E-03	0.01
<i>C9</i>	Down	0.32	2.93E-03	0.01
<i>GABRA2</i>	Down	0.46	2.94E-03	0.01
<i>OPN5</i>	Down	0.38	2.94E-03	0.01
<i>BSND</i>	Down	0.46	2.99E-03	0.01
<i>CIDEA</i>	Down	0.44	3.12E-03	0.01
<i>KRT12</i>	Down	0.48	3.15E-03	0.01
<i>EVX1</i>	Down	0.35	3.21E-03	0.01
<i>VSTM2B</i>	Down	0.31	3.30E-03	0.01
<i>PSG5</i>	Down	0.43	3.43E-03	0.01

ZG16	Down	0.40	3.53E-03	0.02
TLX1NB	Up	2.91	3.61E-03	0.02
NOTO	Up	2.83	3.63E-03	0.02
NPY5R	Down	0.42	3.70E-03	0.02
OPRM1	Down	0.45	3.75E-03	0.02
NROB2	Down	0.49	4.05E-03	0.02
MOG	Down	0.49	4.13E-03	0.02
POTEH	Down	0.49	4.20E-03	0.02
PRODH2	Down	0.39	4.25E-03	0.02
LOC148824	Down	0.45	4.42E-03	0.02
PRR21	Down	0.38	4.44E-03	0.02
LOC400940	Down	0.35	4.47E-03	0.02
KRT73	Down	0.35	4.48E-03	0.02
MUC7	Down	0.37	4.63E-03	0.02
LOC440040	Down	0.48	4.63E-03	0.02
PCA3	Down	0.46	4.85E-03	0.02
NPBWR1	Down	0.42	5.20E-03	0.02
OR2T12	Down	0.36	5.20E-03	0.02
GAST	Up	2.11	5.39E-03	0.02
NR1H4	Down	0.31	5.51E-03	0.02
GH2	Down	0.26	5.62E-03	0.02
C16orf82	Down	0.36	5.64E-03	0.02
MMP27	Down	0.34	5.77E-03	0.02
SLC6A19	Down	0.33	5.81E-03	0.02
SALL3	Down	0.35	5.87E-03	0.02
FOXB1	Down	0.50	5.92E-03	0.02
KRTAP9-4	Down	0.42	6.07E-03	0.02
SLITRK2	Down	0.46	6.23E-03	0.02
C6orf146	Down	0.45	6.33E-03	0.02
PLP1	Down	0.49	6.42E-03	0.02
GPR151	Down	0.41	6.55E-03	0.02
SUN3	Down	0.48	6.55E-03	0.02
TACR3	Down	0.40	6.60E-03	0.02
HORMAD1	Down	0.49	6.90E-03	0.03
LGALS14	Down	0.41	7.02E-03	0.03
PRKAG3	Down	0.44	7.03E-03	0.03
XIRP2	Down	0.49	7.22E-03	0.03
KRT35	Down	0.43	7.23E-03	0.03
ADH7	Up	2.12	7.35E-03	0.03
ALX4	Down	0.46	7.35E-03	0.03
CPN1	Up	2.05	7.51E-03	0.03
FRMPD4	Down	0.41	7.60E-03	0.03
RTP3	Down	0.37	7.78E-03	0.03
BARHL2	Down	0.33	7.91E-03	0.03
KRTAP3-2	Down	0.35	8.18E-03	0.03
CSAG1	Down	0.47	8.29E-03	0.03
OPN1LW	Down	0.40	8.31E-03	0.03
CRCT1	Down	0.35	8.65E-03	0.03
FAM123A	Down	0.48	8.75E-03	0.03
SOX21	Down	0.43	8.79E-03	0.03



<i>SIM1</i>	Down	0.46	8.83E-03	0.03
<i>PMCHL2</i>	Down	0.36	9.44E-03	0.03
<i>TRIML2</i>	Down	0.50	9.75E-03	0.03
<i>MYL7</i>	Down	0.48	9.97E-03	0.03
<i>KRTAP10-2</i>	Down	0.42	0.01	0.03
<i>GBX1</i>	Down	0.45	0.01	0.04
<i>OR3A2</i>	Down	0.41	0.01	0.04
<i>SPATA22</i>	Down	0.45	0.01	0.04
<i>IFNB1</i>	Down	0.49	0.01	0.04
<i>ZIC3</i>	Down	0.26	0.01	0.04
<i>OLFM3</i>	Down	0.50	0.01	0.04
<i>TSPAN19</i>	Down	0.47	0.01	0.04
<i>CSH1</i>	Down	0.36	0.01	0.04
<i>PCDH8</i>	Down	0.48	0.01	0.04
<i>CRH</i>	Down	0.25	0.01	0.04
<i>MYT1L</i>	Down	0.46	0.01	0.04
<i>GIF</i>	Down	0.45	0.01	0.05
<i>CIB4</i>	Down	0.44	0.01	0.05
<i>RAG2</i>	Down	0.46	0.01	0.05
<i>IAPP</i>	Down	0.48	0.02	0.05
<i>OR51B5</i>	Down	0.40	0.02	0.05

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