

Table S6. QTLs analyses results of functional SNPs.

1、The most significant meQTL analyses results.

Gene	SNP	P_value	FDR	beta
<i>MAD1L1</i>	rs6950330	8.69E-116	2.57E-111	-0.10
<i>HLA-C</i>	rs9264586	8.65E-98	1.17E-93	-0.22
<i>LSM1</i>	rs11783967	7.76E-95	8.96E-91	-0.24
<i>GABBR1</i>	rs7757931	6.45E-94	7.03E-90	-0.18
<i>HLA-DQB1</i>	rs9274657	4.25E-85	2.71E-81	0.20
<i>SNX19</i>	rs2276097	4.77E-83	2.71E-79	-0.11
<i>HAPLN4</i>	rs735273	4.90E-78	2.06E-74	0.06
<i>ZKSCAN8</i>	rs9468298	5.47E-78	2.27E-74	0.06
<i>BAG6</i>	rs805302	4.67E-77	1.87E-73	-0.08
<i>HLA-G</i>	rs1710	6.08E-75	2.16E-71	0.06
<i>SRR</i>	rs2224770	7.00E-63	1.33E-59	0.14
<i>HLA-F</i>	rs1633086	3.97E-58	5.87E-55	-0.22
<i>ZSCAN16-AS1</i>	rs2275508	3.88E-57	5.38E-54	0.13
<i>YJEFN3</i>	rs1054930	3.96E-57	5.49E-54	0.11
<i>FES</i>	rs35346340	6.16E-56	7.97E-53	0.06
<i>HLA-B</i>	rs9266230	1.46E-55	1.85E-52	-0.10
<i>GPSM3</i>	rs204994	1.87E-54	2.23E-51	-0.04
<i>MYO15A</i>	rs2955365	2.15E-51	2.16E-48	-0.05
<i>OR2J2</i>	rs3116856	1.63E-50	1.56E-47	-0.05
<i>ZSCAN12</i>	rs7750526	1.03E-49	9.39E-47	-0.14
<i>ZFP57</i>	rs416571	1.41E-49	1.28E-46	0.23
<i>NT5C2</i>	rs35525740	1.89E-49	1.71E-46	-0.05
<i>BRD2</i>	rs176249	5.82E-49	5.11E-46	0.05
<i>HLA-DQA1</i>	rs707949	3.66E-48	3.06E-45	-0.10
<i>OGFOD2</i>	rs4275659	4.56E-47	3.57E-44	-0.03
<i>IGSF9B</i>	rs11223650	7.42E-47	5.74E-44	-0.10
<i>LOC554223</i>	rs1610645	5.62E-45	3.87E-42	0.10
<i>FAM109B</i>	rs6002597	6.60E-44	4.23E-41	0.02
<i>DRG2</i>	rs11078410	3.94E-41	2.11E-38	-0.03
<i>C10orf32-ASMT</i>	rs12219246	2.43E-40	1.24E-37	0.06
<i>TRMT61A</i>	rs12880077	1.64E-38	7.47E-36	-0.04
<i>MICB</i>	rs2596473	9.13E-38	3.97E-35	0.03
<i>NAGA</i>	rs4822088	1.15E-36	4.63E-34	0.03
<i>TSNARE1</i>	rs4976982	1.68E-35	6.25E-33	0.09
<i>HLA-DRA</i>	rs2395179	2.08E-35	7.72E-33	-0.03
<i>PLCH2</i>	rs16824398	2.15E-35	7.97E-33	0.04
<i>MUC22</i>	rs9501045	2.50E-35	9.22E-33	-0.08
<i>NEK4</i>	rs34017441	2.37E-33	7.60E-31	0.03
<i>TRIM8</i>	rs10786701	5.09E-32	1.48E-29	-0.07
<i>BAK1</i>	rs511515	7.96E-31	2.12E-28	-0.03

Gene	SNP	P_value	FDR	beta
<i>GLT8D1</i>	rs11177	1.79E-29	4.32E-27	-0.10
<i>BCL11B</i>	rs35604463	1.92E-27	3.99E-25	0.03
<i>PRRC2A</i>	rs3130621	7.82E-27	1.55E-24	0.03
<i>BTN3A2</i>	rs9379859	8.66E-27	1.71E-24	0.06
<i>PPT2</i>	rs3130281	2.54E-26	4.85E-24	0.03
<i>ITIH4</i>	rs13072536	3.97E-26	7.47E-24	0.06
<i>TMEM110-MUSTN1</i>	rs6769789	8.40E-26	1.54E-23	0.03
<i>CNNM2</i>	rs10786736	2.64E-25	4.67E-23	-0.05
<i>HIST1H2BJ</i>	rs9348746	3.73E-25	6.51E-23	-0.02
<i>WHSC1L1</i>	rs2016875	2.58E-24	4.22E-22	0.04
<i>GPANK1</i>	rs3130618	7.71E-24	1.22E-21	0.05
<i>C6orf10</i>	rs1003878	1.77E-23	2.72E-21	-0.21
<i>FTCDNL1</i>	rs796364	2.11E-23	3.21E-21	-0.04
<i>C6orf15</i>	rs2523893	3.25E-23	4.87E-21	-0.01
<i>NT5DC2</i>	rs1961958	3.05E-22	4.23E-20	0.03
<i>ITIH1</i>	rs678	3.49E-22	4.81E-20	-0.05
<i>HCFC1</i>	rs2266886	4.96E-22	6.74E-20	0.02
<i>LEMD2</i>	rs2182658	6.90E-22	9.25E-20	0.02
<i>C2orf82</i>	rs2675956	9.93E-22	1.31E-19	-0.03
<i>HIST1H2BL</i>	rs2747054	1.68E-21	2.18E-19	0.02
<i>MPHOSPH9</i>	rs1727334	7.50E-21	9.23E-19	0.06
<i>PITPNM2</i>	rs1727295	1.15E-20	1.39E-18	-0.02
<i>NFATC3</i>	rs9922594	1.64E-20	1.96E-18	0.03
<i>NMB</i>	rs11630887	2.33E-20	2.75E-18	-0.03
<i>PEX10</i>	rs10797426	2.39E-20	2.82E-18	0.03
<i>LY6G5C</i>	rs3130618	2.53E-20	2.97E-18	0.06
<i>OR12D2</i>	rs9257834	1.14E-19	1.27E-17	-0.03
<i>PPP1R13B</i>	rs2223937	1.80E-19	1.96E-17	0.02
<i>WBP2NL</i>	rs5758527	1.81E-19	1.97E-17	-0.01
<i>SHISA8</i>	rs9620001	2.45E-19	2.64E-17	0.05
<i>TCF20</i>	rs5758605	2.87E-18	2.80E-16	-0.04
<i>PSORS1C1</i>	rs2233960	4.96E-18	4.74E-16	-0.03
<i>BAG5</i>	rs28362583	6.06E-18	5.74E-16	0.03
<i>TRIM26</i>	rs885912	1.00E-17	9.29E-16	-0.03
<i>CACNA1C</i>	rs1016388	1.19E-17	1.10E-15	0.02
<i>CCHCR1</i>	rs1265092	1.41E-17	1.30E-15	-0.02
<i>GRIN2A</i>	rs9926303	1.89E-17	1.71E-15	0.02
<i>NOTCH4</i>	rs6457513	3.81E-16	3.04E-14	-0.03
<i>GATAD2A</i>	rs2905435	4.51E-16	3.57E-14	0.02
<i>SUGP1</i>	rs2315022	2.07E-15	1.53E-13	0.01
<i>TMTC1</i>	rs302317	3.51E-15	2.53E-13	-0.04
<i>CENPM</i>	rs5996096	5.40E-15	3.82E-13	0.01
<i>DPCR1</i>	rs3095153	5.51E-15	3.89E-13	-0.03

Gene	SNP	P_value	FDR	beta
<i>HIST1H2AJ</i>	rs2747054	5.89E-15	4.15E-13	0.01
<i>CSNK2B</i>	rs805302	9.99E-15	6.87E-13	-0.07
<i>CHRNA2</i>	rs2565065	1.36E-14	9.21E-13	-0.04
<i>NMUR2</i>	rs112345465	1.91E-14	1.28E-12	-0.04
<i>TCF19</i>	rs1265092	2.31E-14	1.53E-12	0.03
<i>CACNB2</i>	rs6482406	4.37E-14	2.81E-12	0.04
<i>CDC25C</i>	rs16373	6.37E-14	4.02E-12	0.03
<i>POU5F1</i>	rs887465	7.19E-14	4.51E-12	-0.04
<i>CLU</i>	rs9331950	1.30E-13	7.91E-12	0.02
<i>UBD</i>	rs7757931	1.42E-13	8.61E-12	-0.04
<i>POM121L2</i>	rs16897515	1.93E-13	1.15E-11	0.02
<i>KLC1</i>	rs59092643	2.13E-13	1.27E-11	-0.02
<i>INO80E</i>	rs4788211	2.44E-13	1.44E-11	0.01
<i>MLN</i>	rs1318691	3.34E-13	1.95E-11	0.02
<i>NGEF</i>	rs2675956	4.46E-13	2.57E-11	-0.02
<i>RERE</i>	rs301792	6.23E-13	3.53E-11	-0.01
<i>MGAT3</i>	rs9306336	1.01E-12	5.61E-11	-0.01
<i>FLOT1</i>	rs1059612	1.52E-12	8.25E-11	-0.03
<i>FURIN</i>	rs4702	1.68E-12	9.05E-11	-0.01
<i>SPATS2L</i>	rs3769446	2.10E-12	1.12E-10	0.09
<i>HLA-DQA2</i>	rs5021453	2.11E-12	1.13E-10	-0.03
<i>SFTA2</i>	rs3131787	2.33E-12	1.23E-10	-0.02
<i>NAB2</i>	rs324017	2.59E-12	1.37E-10	0.02
<i>TNFRSF13C</i>	rs9620001	4.27E-12	2.19E-10	-0.02
<i>PRRT1</i>	rs3130281	4.34E-12	2.23E-10	-0.02
<i>CDK2AP1</i>	rs4553407	5.71E-12	2.90E-10	0.03
<i>C16orf92</i>	rs4788211	7.63E-12	3.81E-10	0.01
<i>HHAT</i>	rs3765879	2.11E-11	9.97E-10	-0.02
<i>DGKZ</i>	rs876701	2.32E-11	1.09E-09	-0.01
<i>GNL3</i>	rs34017441	2.99E-11	1.39E-09	0.01
<i>GTF2H4</i>	rs3095153	3.61E-11	1.66E-09	0.04
<i>IER3</i>	rs3094125	5.58E-11	2.51E-09	-0.13
<i>CUL3</i>	rs3768886	6.75E-11	3.00E-09	0.04
<i>ZNF165</i>	rs3734573	7.25E-11	3.21E-09	0.01
<i>PPM1M</i>	rs11717383	1.23E-10	5.29E-09	0.01
<i>DOC2A</i>	rs4788211	1.58E-10	6.70E-09	-0.02
<i>PPP1CC</i>	rs12305489	1.70E-10	7.16E-09	-0.02
<i>PPT2-EGFL8</i>	rs3130281	1.89E-10	7.92E-09	0.01
<i>TMEM243</i>	rs73210240	2.20E-10	9.16E-09	-0.04
<i>ABCB9</i>	rs883562	2.71E-10	1.11E-08	0.03
<i>CYP2D7</i>	rs5758605	3.71E-10	1.50E-08	-0.02
<i>SDCCAG8</i>	rs1058305	3.73E-10	1.50E-08	-0.01
<i>DDR1</i>	rs1049633	3.85E-10	1.55E-08	0.02

Gene	SNP	P_value	FDR	beta
<i>SGK223</i>	rs2948286	4.00E-10	1.60E-08	-0.02
<i>WDR73</i>	rs11630887	7.70E-10	2.97E-08	0.02
<i>MAN2A1</i>	rs3819904	7.71E-10	2.98E-08	0.02
<i>SEMA3B</i>	rs6776145	9.09E-10	3.48E-08	0.02
<i>SLCO4C1</i>	rs3114661	9.18E-10	3.51E-08	0.02
<i>LHFPL3</i>	rs7807853	1.00E-09	3.81E-08	0.02
<i>LST1</i>	rs1800629	1.22E-09	4.57E-08	-0.02
<i>RENBP</i>	rs2269373	1.46E-09	5.41E-08	-0.01
<i>ARL6IP4</i>	rs4275659	1.46E-09	5.43E-08	-0.01
<i>ANKRD44</i>	rs1429417	1.68E-09	6.17E-08	0.01
<i>WBP1L</i>	rs284858	2.45E-09	8.79E-08	-0.01
<i>GOLGA6L4</i>	rs62029580	3.78E-09	1.32E-07	0.02
<i>APOM</i>	rs1046089	4.39E-09	1.52E-07	0.04
<i>LOC100131289</i>	rs111770007	5.19E-09	1.78E-07	0.02
<i>HLA-H</i>	rs1736937	8.79E-09	2.91E-07	0.02
<i>FAM53C</i>	rs16373	1.32E-08	4.25E-07	0.02
<i>PLEKHO1</i>	rs72694953	1.81E-08	5.72E-07	-0.04
<i>KDM3B</i>	rs16373	2.29E-08	7.11E-07	0.02
<i>IMMP2L</i>	rs37716	2.29E-08	7.12E-07	-0.02
<i>ETF1</i>	rs55985421	3.57E-08	1.08E-06	0.01
<i>DPYD</i>	rs1801265	3.89E-08	1.17E-06	-0.02
<i>GIGYF2</i>	rs6710294	6.33E-08	1.83E-06	-0.01
<i>C6orf48</i>	rs3115674	1.45E-07	3.96E-06	0.02
<i>PPP1R16B</i>	rs6129108	1.48E-07	4.02E-06	0.01
<i>CYP17A1</i>	rs12219246	1.85E-07	4.98E-06	0.01
<i>ZKSCAN3</i>	rs7750526	2.33E-07	6.15E-06	-0.01
<i>HSPA1B</i>	rs2075800	2.57E-07	6.74E-06	-0.01
<i>LINC00336</i>	rs511515	3.98E-07	1.01E-05	-0.02
<i>PBX2</i>	rs204993	4.66E-07	1.17E-05	0.02
<i>LTA</i>	rs1800629	6.55E-07	1.60E-05	0.02
<i>ATXN7</i>	rs7627690	7.81E-07	1.88E-05	-0.01
<i>GALNT10</i>	rs11740474	8.01E-07	1.92E-05	0.01
<i>SREBF2</i>	rs9607850	8.56E-07	2.04E-05	0.01
<i>CYP2D6</i>	rs28579115	8.87E-07	2.11E-05	0.03
<i>BAG4</i>	rs16887244	9.70E-07	2.29E-05	-0.01
<i>ARHGAP1</i>	rs61884292	9.76E-07	2.30E-05	0.01
<i>RNF5</i>	rs3134940	1.03E-06	2.42E-05	-0.01
<i>3-Sep</i>	rs5758527	1.18E-06	2.75E-05	-0.01
<i>MAU2</i>	rs2315022	1.30E-06	3.00E-05	0.01
<i>TWF2</i>	rs1060330	1.49E-06	3.39E-05	-0.02
<i>ATG13</i>	rs6485685	1.57E-06	3.56E-05	0.01
<i>HSPA1L</i>	rs2075800	1.79E-06	4.02E-05	0.01
<i>C2orf47</i>	rs281771	1.82E-06	4.08E-05	-0.01

Gene	SNP	P_value	FDR	beta
<i>DNAH1</i>	rs7622851	2.20E-06	4.86E-05	0.01
<i>DRD2</i>	rs17602038	2.87E-06	6.20E-05	0.01
<i>BTN2A2</i>	rs9393716	4.31E-06	8.99E-05	0.06
<i>BTNL2</i>	rs2001097	4.59E-06	9.51E-05	-0.02
<i>PRRG2</i>	rs57940349	5.56E-06	1.13E-04	-0.02
<i>ZFYVE21</i>	rs11846838	7.11E-06	1.42E-04	0.02
<i>PBRM1</i>	rs111177	1.22E-05	2.32E-04	0.01
<i>C6orf47</i>	rs805302	1.36E-05	2.55E-04	-0.01
<i>TYW5</i>	rs281771	1.84E-05	3.36E-04	0.01
<i>SLC7A6</i>	rs1971546	2.09E-05	3.76E-04	-0.01
<i>HIST1H3I</i>	rs200949	2.40E-05	4.26E-04	0.01
<i>CCDC134</i>	rs9607850	2.54E-05	4.48E-04	0.00
<i>BTN2A1</i>	rs3757150	2.60E-05	4.57E-04	-0.01
<i>GPM6A</i>	rs7673823	2.68E-05	4.70E-04	0.01
<i>SATB2</i>	rs6748419	2.72E-05	4.76E-04	0.01
<i>CACNA2D2</i>	rs2236950	3.16E-05	5.45E-04	0.01
<i>HCG27</i>	rs887465	3.19E-05	5.49E-04	-0.01
<i>FGFR1</i>	rs17182225	3.88E-05	6.56E-04	-0.01
<i>SCGN</i>	rs7771468	3.98E-05	6.71E-04	-0.01
<i>SCAND2P</i>	rs11630887	5.62E-05	9.13E-04	-0.02
<i>SLC17A2</i>	rs34525648	7.07E-05	1.12E-03	0.01
<i>VAR2</i>	rs3131787	9.41E-05	1.45E-03	0.01
<i>EMX1</i>	rs2077586	9.48E-05	1.45E-03	0.04
<i>FXR1</i>	rs1805589	1.07E-04	1.62E-03	-0.02
<i>SYNGAP1</i>	rs9394145	1.08E-04	1.63E-03	0.01
<i>AGPAT1</i>	rs3130281	1.34E-04	1.97E-03	0.01
<i>SMG6</i>	rs2224770	1.35E-04	1.98E-03	0.00
<i>HIST1H3C</i>	rs28360595	1.82E-04	2.59E-03	0.03
<i>ZSCAN31</i>	rs9468350	1.86E-04	2.64E-03	0.01
<i>CNTN4</i>	rs9845120	2.07E-04	2.90E-03	0.01
<i>HIST1H2AC</i>	rs198811	2.22E-04	3.09E-03	-0.03
<i>LRRC48</i>	rs4584886	2.28E-04	3.16E-03	0.00
<i>KCTD13</i>	rs4424923	2.31E-04	3.20E-03	0.01
<i>ALPK3</i>	rs17601029	2.60E-04	3.54E-03	-0.02
<i>FOXP1</i>	rs6803008	2.62E-04	3.57E-03	0.01
<i>MOG</i>	rs416571	2.87E-04	3.86E-03	-0.01
<i>PLA2G15</i>	rs1971546	3.45E-04	4.53E-03	-0.01
<i>HIST1H1B</i>	rs200949	3.46E-04	4.55E-03	0.00
<i>AGER</i>	rs204993	3.80E-04	4.93E-03	0.01
<i>PRR12</i>	rs57940349	3.91E-04	5.05E-03	0.02
<i>HIST1H4K</i>	rs2747054	4.06E-04	5.22E-03	0.01
<i>HSPA1A</i>	rs2075800	4.25E-04	5.43E-03	-0.02
<i>HIST1H1A</i>	rs28360595	4.57E-04	5.79E-03	-0.02

Gene	SNP	P_value	FDR	beta
<i>MIR29C</i>	rs7537216	5.16E-04	6.44E-03	-0.01
<i>ZNF592</i>	rs17600551	5.28E-04	6.56E-03	-0.01
<i>ZSCAN23</i>	rs16894108	5.42E-04	6.71E-03	-0.01
<i>SRPK2</i>	rs3801281	6.10E-04	7.43E-03	-0.01
<i>PPP1R18</i>	rs9262142	6.14E-04	7.48E-03	-0.01
<i>CILP2</i>	rs1054930	6.29E-04	7.64E-03	0.01
<i>HSPA9</i>	rs256013	6.48E-04	7.83E-03	0.00
<i>BTN3A1</i>	rs34273322	6.51E-04	7.86E-03	-0.01
<i>BNIP3L</i>	rs3808581	6.53E-04	7.88E-03	0.01
<i>NAA10</i>	rs4898465	7.15E-04	8.53E-03	-0.01
<i>PPP4C</i>	rs34855001	7.62E-04	9.00E-03	0.01
<i>PLCL1</i>	rs1464211	8.37E-04	9.76E-03	-0.01

2、The most significant eQTL analyses results.

(1) The most significant SMR analyses results in whole blood from GTEx.

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>C4B</i>	rs3135394	5.27E-19	3.69E-12	0.08	2.47E-09
<i>TRIM27</i>	rs3131067	9.47E-25	4.17E-11	0.06	1.40E-08
<i>ZFP57</i>	rs885945	9.09E-46	1.88E-10	NA	1.21E-07
<i>LINC00243</i>	rs1049633	2.33E-12	2.92E-09	0.08	6.53E-07
<i>CYP21A1P</i>	rs1265947	1.11E-11	4.48E-09	0.07	6.96E-07
<i>GPN3</i>	rs11065647	2.79E-43	5.19E-09	0.61	6.96E-07
<i>GATAD2A</i>	rs4808203	1.40E-20	3.44E-08	0.21	3.84E-06
<i>C4A</i>	rs2854277	3.45E-14	4.40E-08	0.24	9.47E-06
<i>RP11-73M18.8</i>	rs11846404	3.87E-15	1.09E-07	0.10	1.04E-05
<i>CYP21A2</i>	rs2854277	3.73E-10	1.50E-07	0.63	1.26E-05
<i>MAPK3</i>	rs4424923	2.15E-20	2.44E-07	NA	1.82E-05
<i>SNX19</i>	rs62621284	4.59E-89	1.18E-07	NA	1.90E-05
<i>KLC1</i>	rs11846404	7.58E-13	3.73E-07	0.25	2.50E-05
<i>TRIM38</i>	rs34525648	8.91E-09	8.07E-07	0.10	4.92E-05
<i>PRRC2A</i>	rs2857694	4.83E-11	9.47E-07	0.51	5.29E-05
<i>CCHCR1</i>	rs2853999	2.19E-09	7.11E-07	0.71	5.39E-05
<i>RPL23AP1</i>	rs885945	6.30E-12	7.50E-07	NA	5.39E-05
<i>RP11-890B15.3</i>	rs62621284	7.13E-23	1.61E-06	NA	8.01E-05
<i>HLA-S</i>	rs1131165	5.27E-15	2.27E-06	0.12	1.05E-04
<i>PSMA4</i>	rs905739	2.33E-10	4.28E-06	NA	1.61E-04
<i>TMTC1</i>	rs302317	2.92E-18	4.73E-06	NA	1.61E-04
<i>AC013264.2</i>	rs10931779	9.61E-11	4.31E-06	0.11	1.92E-04
<i>C2orf47</i>	rs1658810	2.46E-08	4.10E-06	NA	1.92E-04
<i>C2</i>	rs9269102	3.32E-07	5.43E-06	0.69	2.18E-04
<i>FAM216A</i>	rs11065647	1.52E-10	5.53E-06	0.87	2.18E-04
<i>PLCL1</i>	rs3731570	2.60E-14	7.26E-06	0.07	2.34E-04
<i>FLOT1</i>	rs2394978	7.89E-07	6.52E-06	0.37	2.36E-04
<i>FTCDNL1</i>	rs281771	6.58E-08	7.35E-06	NA	2.36E-04
<i>LY6G5B</i>	rs805303	4.96E-08	6.75E-06	NA	2.36E-04
<i>PBX2</i>	rs204990	5.83E-07	7.40E-06	0.34	2.36E-04
<i>HLA-G</i>	rs3129984	1.38E-06	9.70E-06	0.42	2.83E-04
<i>FAM109B</i>	rs1807494	1.01E-10	1.07E-05	NA	2.86E-04
<i>MICB</i>	rs9266209	4.47E-08	1.07E-05	0.31	2.86E-04
<i>CYP2D8P1</i>	rs134889	2.73E-09	1.20E-05	0.24	3.09E-04
<i>NT5C2</i>	rs77420391	3.45E-07	1.30E-05	0.69	3.22E-04
<i>HCG4P3</i>	rs885945	2.74E-08	1.17E-05	NA	3.44E-04
<i>TBX6</i>	rs4424923	1.88E-09	1.55E-05	NA	3.59E-04
<i>POU5F1</i>	rs6457375	5.85E-08	1.64E-05	0.12	3.66E-04
<i>SETD8</i>	rs10772999	2.24E-07	1.78E-05	0.46	3.86E-04

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>AKAP10</i>	rs72843506	1.07E-18	1.66E-05	NA	4.30E-04
<i>DUS2</i>	rs56303487	1.18E-20	2.11E-05	NA	4.42E-04
<i>ALMS1</i>	rs11903916	7.73E-11	2.20E-05	NA	4.46E-04
<i>YPEL3</i>	rs4788198	4.64E-08	2.30E-05	NA	4.53E-04
<i>SREBF1</i>	rs9895335	2.06E-14	2.41E-05	0.13	4.61E-04
<i>FES</i>	rs35346340	2.54E-09	2.61E-05	NA	4.87E-04
<i>DDX39B</i>	rs113239947	4.06E-09	2.87E-05	0.27	5.19E-04
<i>RP11-325F22.2</i>	rs7807853	3.19E-09	2.94E-05	0.70	5.19E-04
<i>CDK2AP1</i>	rs10846491	5.09E-09	3.04E-05	0.08	5.22E-04
<i>HLA-F-AS1</i>	rs1611296	3.08E-07	3.29E-05	0.23	5.38E-04
<i>TMEM110</i>	rs13072536	2.50E-10	3.27E-05	0.11	5.38E-04
<i>MUSTN1</i>	rs7638524	1.69E-12	2.40E-05	0.06	5.53E-04
<i>MAP3K11</i>	rs1193851	3.35E-10	3.76E-05	NA	5.98E-04
<i>TSSK6</i>	rs62135552	2.13E-08	3.84E-05	0.09	5.98E-04
<i>GABBR1</i>	rs3129055	3.32E-07	4.11E-05	0.11	6.19E-04
<i>PRMT7</i>	rs1971546	4.59E-10	4.25E-05	NA	6.20E-04
<i>CCDC134</i>	rs9607850	6.02E-09	5.36E-05	NA	7.65E-04
<i>PRSS16</i>	rs3757150	1.09E-05	5.60E-05	0.40	7.82E-04
<i>HLA-H</i>	rs885945	2.77E-06	6.56E-05	0.23	8.32E-04
<i>IER3</i>	rs1639108	1.78E-05	6.10E-05	0.43	8.32E-04
<i>MEI1</i>	rs1047997	4.46E-07	6.70E-05	NA	8.32E-04
<i>RP1-265C24.5</i>	rs9295759	2.35E-06	6.54E-05	0.07	8.32E-04
<i>TEF</i>	rs9611488	7.99E-08	6.38E-05	NA	8.32E-04
<i>ZBTB12</i>	rs1131165	1.46E-06	6.65E-05	0.68	8.32E-04
<i>INO80E</i>	rs4788198	1.00E-06	7.82E-05	NA	9.52E-04
<i>FTSJ2</i>	rs1476887	4.73E-06	8.64E-05	0.24	1.03E-03
<i>RP11-499P20.2</i>	rs6482406	3.94E-07	1.01E-04	NA	1.19E-03
<i>ARL6IP4</i>	rs941306	5.32E-07	1.11E-04	0.19	1.26E-03
<i>SFMBT1</i>	rs62253583	1.13E-06	1.11E-04	0.51	1.26E-03
<i>AC103965.1</i>	rs220333	2.72E-07	8.53E-05	0.27	1.32E-03
<i>GMIP</i>	rs880090	1.12E-07	1.20E-04	0.14	1.33E-03
<i>HLA-DMA</i>	rs116131925	2.00E-05	1.23E-04	0.16	1.33E-03
<i>RERE</i>	rs302719	2.77E-07	1.23E-04	NA	1.33E-03
<i>RP1-257I20.14</i>	rs5758645	2.21E-06	1.27E-04	0.58	1.35E-03
<i>FKBPL</i>	rs3130281	3.46E-05	1.30E-04	0.65	1.36E-03
<i>RNASEH2C</i>	rs1193851	1.12E-07	1.41E-04	NA	1.46E-03
<i>CLP1</i>	rs708228	1.54E-06	1.70E-04	NA	1.72E-03
<i>CSNK2B</i>	rs2857694	1.36E-05	1.81E-04	0.59	1.72E-03
<i>DDX39BP2</i>	rs3094724	2.27E-05	1.74E-04	0.21	1.72E-03
<i>HLA-T</i>	rs3129012	4.48E-05	1.81E-04	0.88	1.72E-03
<i>HLA-U</i>	rs1063320	3.24E-07	1.77E-04	0.06	1.72E-03
<i>GOLGA6L5</i>	rs12905223	1.27E-06	1.34E-04	0.34	1.77E-03
<i>ALMS1P</i>	rs11903916	5.99E-07	1.95E-04	NA	1.79E-03

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>TRIM10</i>	rs1059535	2.87E-05	1.93E-04	0.27	1.79E-03
<i>IGSF9B</i>	rs73036062	1.37E-05	1.98E-04	NA	1.79E-03
<i>BAG6</i>	rs2857694	1.65E-05	2.01E-04	0.88	1.80E-03
<i>SKIV2L</i>	rs389883	1.05E-05	2.06E-04	NA	1.81E-03
<i>BAG5</i>	rs4906336	1.60E-05	2.24E-04	NA	1.95E-03
<i>TDRD9</i>	rs10132641	8.33E-06	2.29E-04	NA	1.97E-03
<i>ABCB9</i>	rs7296418	7.94E-06	2.40E-04	0.16	2.02E-03
<i>ZNF391</i>	rs7750526	6.61E-05	2.41E-04	0.69	2.02E-03
<i>HIST1H4H</i>	rs61534839	1.04E-06	2.58E-04	NA	2.10E-03
<i>IFITM4P</i>	rs416571	4.02E-06	2.61E-04	NA	2.10E-03
<i>MAU2</i>	rs62135552	4.83E-06	2.60E-04	NA	2.10E-03
<i>XXbac-BPG181B23.7</i>	rs9266244	7.35E-07	1.84E-04	0.43	2.12E-03
<i>NT5DC2</i>	rs13076193	2.20E-09	1.90E-04	0.06	2.15E-03
<i>RP11-245J9.4</i>	rs7615475	5.85E-06	2.85E-04	0.27	2.25E-03
<i>ZSCAN9</i>	rs9885928	1.88E-05	2.98E-04	0.22	2.32E-03
<i>CLIC1</i>	rs3115674	1.40E-04	3.09E-04	0.58	2.35E-03
<i>LCAT</i>	rs7204208	6.22E-09	3.06E-04	NA	2.35E-03
<i>STK19</i>	rs74618856	3.45E-05	3.18E-04	0.80	2.40E-03
<i>GUSBP2</i>	rs9348746	2.80E-05	3.26E-04	NA	2.43E-03
<i>HLA-A</i>	rs416571	5.40E-06	2.56E-04	NA	2.55E-03
<i>GDPD3</i>	rs4424923	1.30E-05	3.57E-04	NA	2.61E-03
<i>MOG</i>	rs3117289	8.66E-05	3.58E-04	NA	2.61E-03
<i>SH3RF1</i>	rs4434205	1.06E-07	3.63E-04	NA	2.62E-03
<i>RP11-282O18.3</i>	rs11057238	1.39E-05	4.20E-04	0.09	2.96E-03
<i>AGER</i>	rs3095240	1.43E-04	4.46E-04	0.82	2.99E-03
<i>NMB</i>	rs1051168	1.40E-05	4.39E-04	0.72	2.99E-03
<i>RP11-350N15.5</i>	rs72630609	1.25E-05	4.32E-04	NA	2.99E-03
<i>TCF19</i>	rs2233960	9.19E-06	4.39E-04	0.36	2.99E-03
<i>ZSCAN2</i>	rs62021208	4.69E-06	4.43E-04	0.82	2.99E-03
<i>HLA-C</i>	rs114475699	4.77E-08	3.57E-04	NA	3.02E-03
<i>DDAH2</i>	rs3130281	1.94E-04	4.79E-04	0.65	3.18E-03
<i>TUBB</i>	rs2523598	1.09E-04	4.87E-04	0.34	3.20E-03
<i>HCG4P5</i>	rs885945	4.29E-05	3.87E-04	NA	3.21E-03
<i>HCG27</i>	rs114475699	8.52E-08	3.99E-04	0.57	3.26E-03
<i>XXbac-BPG299F13.17</i>	rs9266244	7.07E-06	4.16E-04	NA	3.36E-03
<i>AGPAT1</i>	rs204993	5.98E-05	5.18E-04	NA	3.37E-03
<i>HIST1H2AK</i>	rs7739915	2.42E-04	5.33E-04	0.72	3.44E-03
<i>VARS2</i>	rs2853999	1.47E-04	4.85E-04	NA	3.68E-03
<i>BTN2A2</i>	rs2073528	1.66E-04	5.79E-04	NA	3.70E-03
<i>ZSCAN12P1</i>	rs1150666	7.63E-05	5.92E-04	0.48	3.74E-03
<i>PCCB</i>	rs9845788	2.10E-05	6.15E-04	0.35	3.85E-03
<i>PEMT</i>	rs9895335	3.73E-06	6.35E-04	0.90	3.94E-03
<i>MPHOSPH9</i>	rs941306	3.72E-05	6.46E-04	0.36	3.97E-03

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>RP5-821D11.7</i>	rs9607850	1.87E-05	6.65E-04	NA	4.05E-03
<i>LY6G6D</i>	rs805303	1.74E-04	6.83E-04	NA	4.12E-03
<i>RP11-285J16.1</i>	rs73068054	2.81E-05	6.05E-04	NA	4.22E-03
<i>HCG18</i>	rs6914215	1.37E-04	7.13E-04	0.78	4.27E-03
<i>HLA-DOB</i>	rs6906021	9.26E-05	7.58E-04	NA	4.45E-03
<i>ATP6V1G2</i>	rs2736176	1.60E-04	7.66E-04	NA	4.46E-03
<i>BAG4</i>	rs9198	4.97E-05	7.96E-04	0.90	4.59E-03
<i>C2orf69</i>	rs1658810	2.37E-04	8.01E-04	NA	4.59E-03
<i>RP11-10A14.5</i>	rs2948293	1.37E-05	7.10E-04	0.33	4.73E-03
<i>ZKSCAN4</i>	rs3131095	5.78E-04	8.49E-04	0.84	4.82E-03
<i>HLA-K</i>	rs886424	4.82E-04	8.86E-04	NA	4.99E-03
<i>SDAD1P1</i>	rs3808573	3.06E-05	9.01E-04	NA	5.03E-03
<i>APOPT1</i>	rs58033365	1.89E-04	9.62E-04	NA	5.18E-03
<i>COL11A2</i>	rs9268084	4.08E-04	9.62E-04	NA	5.18E-03
<i>DES11</i>	rs9607850	4.37E-05	9.53E-04	NA	5.18E-03
<i>MAD1L1</i>	rs6975354	7.08E-05	9.66E-04	0.21	5.18E-03
<i>SLC44A4</i>	rs622871	2.62E-04	9.41E-04	NA	5.18E-03
<i>RP11-73M18.7</i>	rs11846404	2.16E-04	9.99E-04	NA	5.27E-03
<i>RPS12P26</i>	rs35346340	7.65E-05	9.98E-04	NA	5.27E-03
<i>ITPR3</i>	rs10947436	1.12E-04	1.03E-03	NA	5.37E-03
<i>U91328.19</i>	rs13204572	6.60E-04	1.05E-03	NA	5.44E-03
<i>CALHM2</i>	rs10430665	3.86E-04	1.06E-03	0.69	5.44E-03
<i>HLA-DPB2</i>	rs3134940	5.23E-04	1.09E-03	0.73	5.56E-03
<i>MRPS21</i>	rs55963510	5.22E-05	1.11E-03	NA	5.61E-03
<i>HIST1H2BD</i>	rs9393698	9.80E-05	1.15E-03	NA	5.76E-03
<i>ZNF747</i>	rs4788198	2.00E-04	1.15E-03	NA	5.76E-03
<i>MICA</i>	rs9266209	3.10E-04	1.18E-03	NA	5.86E-03
<i>SLC12A4</i>	rs7204208	5.46E-06	1.21E-03	NA	5.96E-03
<i>TOM1L2</i>	rs9895335	2.68E-05	1.23E-03	0.52	5.99E-03
<i>HSPA1B</i>	rs389883	2.58E-04	1.25E-03	NA	6.06E-03
<i>ABHD16A</i>	rs3130621	7.17E-04	1.32E-03	NA	6.25E-03
<i>HIST1H4E</i>	rs9393698	1.26E-04	1.31E-03	NA	6.25E-03
<i>OR2H2</i>	rs3094064	7.44E-04	1.31E-03	NA	6.25E-03
<i>ETF1</i>	rs11745933	8.24E-05	1.35E-03	NA	6.33E-03
<i>HLA-DPB1</i>	rs114132738	1.06E-04	1.35E-03	NA	6.33E-03
<i>ATXN7</i>	rs7627690	1.59E-04	1.48E-03	0.43	6.82E-03
<i>NDUFA6</i>	rs5758645	2.70E-04	1.47E-03	NA	6.82E-03
<i>HIST1H2BF</i>	rs9393698	1.69E-04	1.52E-03	NA	6.88E-03
<i>HIST1H4K</i>	rs35501037	1.09E-03	1.52E-03	NA	6.88E-03
<i>PPT2</i>	rs2280774	1.27E-04	1.52E-03	NA	6.88E-03
<i>AIF1</i>	rs2857694	4.63E-04	1.57E-03	NA	7.06E-03
<i>ZDHHC5</i>	rs682503	1.64E-04	1.59E-03	NA	7.10E-03
<i>HLA-F</i>	rs1610589	4.87E-04	1.65E-03	0.95	7.14E-03

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>NEK1</i>	rs4434205	3.14E-05	1.65E-03	NA	7.14E-03
<i>PRR12</i>	rs10417980	1.25E-04	1.62E-03	NA	7.14E-03
<i>RNF39</i>	rs3094724	6.37E-04	1.65E-03	NA	7.14E-03
<i>RNF5</i>	rs6914215	4.97E-04	1.65E-03	NA	7.14E-03
<i>TRANK1</i>	rs73068054	1.68E-04	1.71E-03	NA	7.33E-03
<i>GNL3</i>	rs1029871	8.18E-05	1.78E-03	NA	7.60E-03
<i>NPIPB11</i>	rs4424923	3.25E-04	1.86E-03	NA	7.88E-03
<i>LST1</i>	rs1131165	5.48E-04	1.88E-03	0.88	7.88E-03
<i>SPCS1</i>	rs34017441	7.77E-05	1.88E-03	NA	7.88E-03
<i>GNA12</i>	rs10263703	4.63E-04	2.07E-03	NA	8.63E-03
<i>HCG20</i>	rs1610696	9.16E-04	2.17E-03	NA	8.80E-03
<i>RP11-73M18.9</i>	rs3212090	7.04E-04	2.16E-03	NA	8.80E-03
<i>VWA7</i>	rs805303	8.77E-04	2.13E-03	NA	8.80E-03
<i>Z83851.3</i>	rs5758605	5.03E-04	2.19E-03	NA	8.83E-03
<i>ZBTB22</i>	rs10947436	4.52E-04	2.24E-03	NA	8.98E-03
<i>SNORD35A</i>	rs7047	5.06E-04	2.27E-03	NA	9.05E-03
<i>3-Sep</i>	rs7290134	2.78E-04	2.29E-03	NA	9.08E-03
<i>TRPV4</i>	rs3026445	3.28E-04	2.35E-03	NA	9.28E-03
<i>RP5-874C20.3</i>	rs7776351	1.17E-03	2.38E-03	NA	9.34E-03
<i>LY6G5C</i>	rs2075800	5.03E-04	1.88E-03	NA	9.40E-03
<i>HIST1H1T</i>	rs198811	6.32E-04	2.54E-03	NA	9.90E-03
<i>HLA-W</i>	rs3129055	8.36E-04	2.65E-03	NA	1.02E-02
<i>NDUFA13</i>	rs880090	3.60E-04	2.65E-03	NA	1.02E-02
<i>XXbac-BPG252P9.10</i>	rs3094628	1.78E-03	2.68E-03	NA	1.02E-02
<i>ALG1L13P</i>	rs2948293	2.09E-04	2.25E-03	NA	1.03E-02
<i>ZSCAN16-AS1</i>	rs2275508	1.08E-03	2.75E-03	NA	1.05E-02
<i>APH1A</i>	rs11589922	4.93E-04	2.81E-03	NA	1.06E-02
<i>ELMO3</i>	rs6499157	8.89E-05	2.86E-03	NA	1.08E-02
<i>PGBD1</i>	rs200983	2.02E-03	2.87E-03	NA	1.08E-02
<i>RP11-731C17.2</i>	rs696520	8.72E-04	2.92E-03	NA	1.09E-02
<i>HIST1H4I</i>	rs66972160	1.05E-03	2.98E-03	NA	1.10E-02
<i>ITIH3</i>	rs4687663	5.07E-04	3.11E-03	NA	1.15E-02
<i>MDC1</i>	rs1063320	5.04E-04	3.25E-03	NA	1.18E-02
<i>MED19</i>	rs708228	7.63E-04	3.29E-03	NA	1.18E-02
<i>NDUFA6-AS1</i>	rs6002597	7.31E-04	3.28E-03	NA	1.18E-02
<i>ZNF204P</i>	rs9468350	2.15E-03	3.28E-03	NA	1.18E-02
<i>SLC4A1AP</i>	rs4666014	2.06E-04	3.48E-03	NA	1.25E-02
<i>ATP13A1</i>	rs7252981	9.56E-04	3.53E-03	NA	1.25E-02
<i>RP11-347C12.2</i>	rs4424923	9.59E-04	3.54E-03	NA	1.25E-02
<i>CTRL</i>	rs6499157	1.76E-04	3.65E-03	NA	1.29E-02
<i>CTA-989H11.1</i>	rs134889	1.17E-03	3.71E-03	NA	1.30E-02
<i>TCF20</i>	rs2143139	1.19E-03	3.73E-03	NA	1.30E-02
<i>RP3-477M7.5</i>	rs302719	8.07E-04	3.75E-03	NA	1.30E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>PRRT1</i>	rs9273595	2.35E-03	3.78E-03	NA	1.30E-02
<i>SFXN2</i>	rs10883798	2.03E-03	3.90E-03	NA	1.33E-02
<i>ZNF785</i>	rs4424923	1.12E-03	3.89E-03	NA	1.33E-02
<i>SPECC1</i>	rs72843506	2.56E-04	3.31E-03	NA	1.38E-02
<i>RP11-196G18.3</i>	rs11589922	9.61E-04	4.10E-03	NA	1.40E-02
<i>DFNA5</i>	rs79210963	8.33E-04	4.27E-03	NA	1.44E-02
<i>LY6G6C</i>	rs2395174	1.33E-03	4.28E-03	NA	1.44E-02
<i>HLA-J</i>	rs885945	1.47E-03	3.67E-03	NA	1.46E-02
<i>SRR</i>	rs11078018	1.16E-03	4.40E-03	NA	1.47E-02
<i>ABCF1</i>	rs3129055	1.80E-03	4.46E-03	NA	1.49E-02
<i>MNT</i>	rs11078018	1.21E-03	4.52E-03	NA	1.50E-02
<i>LRRFIP2</i>	rs6769400	1.21E-03	4.56E-03	NA	1.51E-02
<i>DGKZ</i>	rs876701	1.90E-03	4.62E-03	NA	1.52E-02
<i>CTA-250D10.23</i>	rs133348	1.09E-03	4.64E-03	NA	1.52E-02
<i>WBP2NL</i>	rs8135801	1.34E-03	4.70E-03	NA	1.53E-02
<i>ATF6B</i>	rs3096690	3.68E-03	4.83E-03	NA	1.55E-02
<i>GTF2H4</i>	rs3094125	3.52E-03	4.81E-03	NA	1.55E-02
<i>RP11-524F11.1</i>	rs6826	6.46E-04	4.91E-03	NA	1.57E-02
<i>CUTA</i>	rs209474	1.08E-03	4.94E-03	NA	1.57E-02
<i>MICD</i>	rs1611350	2.62E-03	5.00E-03	NA	1.57E-02
<i>PAN2</i>	rs61937595	1.96E-03	5.01E-03	NA	1.57E-02
<i>PPP1R18</i>	rs6457375	2.24E-03	5.01E-03	NA	1.57E-02
<i>SF3B1</i>	rs700664	1.51E-03	5.06E-03	NA	1.57E-02
<i>U91328.22</i>	rs13196986	2.45E-03	5.06E-03	NA	1.57E-02
<i>RILPL2</i>	rs883563	1.46E-03	5.17E-03	NA	1.59E-02
<i>ZNF184</i>	rs13215020	3.47E-03	5.16E-03	NA	1.59E-02
<i>CFB</i>	rs9269102	3.62E-03	5.21E-03	NA	1.59E-02
<i>C7orf50</i>	rs7783715	1.25E-03	5.25E-03	NA	1.60E-02
<i>LGALS9B</i>	rs72843506	5.88E-04	4.80E-03	NA	1.70E-02
<i>MIEF2</i>	rs7219320	6.06E-04	4.83E-03	NA	1.70E-02
<i>OR2B6</i>	rs7739915	4.09E-03	5.63E-03	NA	1.71E-02
<i>HIST1H1E</i>	rs3757150	4.00E-03	5.66E-03	NA	1.71E-02
<i>C12orf65</i>	rs11057238	1.88E-03	5.70E-03	NA	1.71E-02
<i>RCN3</i>	rs7047	2.22E-03	5.81E-03	NA	1.74E-02
<i>HLA-DRA</i>	rs9271562	2.79E-03	5.85E-03	NA	1.74E-02
<i>DPEP3</i>	rs7204208	5.89E-04	5.87E-03	NA	1.74E-02
<i>USP32P3</i>	rs72843506	6.48E-04	5.03E-03	NA	1.74E-02
<i>HLA-V</i>	rs1610622	1.55E-03	6.01E-03	NA	1.77E-02
<i>NEU1</i>	rs6908927	3.79E-03	6.02E-03	NA	1.77E-02
<i>XXbac-BPG299F13.14</i>	rs389883	1.21E-03	5.51E-03	NA	1.83E-02
<i>ACAD8</i>	rs73034295	3.28E-03	6.27E-03	NA	1.83E-02
<i>RP11-62H7.2</i>	rs1878561	1.20E-03	5.76E-03	NA	1.88E-02
<i>C6orf25</i>	rs4249311	3.45E-03	6.57E-03	NA	1.91E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>WBP1L</i>	rs284854	1.84E-03	6.12E-03	NA	1.91E-02
<i>C11orf31</i>	rs682503	2.12E-03	6.66E-03	NA	1.91E-02
<i>TRIM26</i>	rs3129012	4.58E-03	6.63E-03	NA	1.91E-02
<i>HCG9</i>	rs1610720	3.77E-03	6.75E-03	NA	1.93E-02
<i>ABT1</i>	rs9348746	3.37E-03	6.85E-03	NA	1.94E-02
<i>IRF3</i>	rs57940349	1.90E-03	6.79E-03	NA	1.94E-02
<i>RP5-1115A15.1</i>	rs301792	1.93E-03	6.84E-03	NA	1.94E-02
<i>SIPA1</i>	rs1193851	1.92E-03	6.99E-03	NA	1.97E-02
<i>NAGA</i>	rs5758605	3.06E-03	7.09E-03	NA	1.99E-02
<i>FCGR1C</i>	rs72694955	2.25E-03	7.13E-03	NA	1.99E-02
<i>NCR3</i>	rs9269102	5.25E-03	7.17E-03	NA	1.99E-02
<i>CHST12</i>	rs7783715	2.20E-03	7.32E-03	NA	2.01E-02
<i>NIF3L1</i>	rs1658810	4.53E-03	7.33E-03	NA	2.01E-02
<i>TMEM161A</i>	rs2965199	3.43E-03	7.30E-03	NA	2.01E-02
<i>NHP2L1</i>	rs5758605	3.32E-03	7.51E-03	NA	2.05E-02
<i>ZNF592</i>	rs3803405	1.61E-03	7.61E-03	NA	2.07E-02
<i>KAT5</i>	rs1193851	2.29E-03	7.75E-03	NA	2.10E-02
<i>LTA</i>	rs2905737	2.35E-03	7.79E-03	NA	2.11E-02
<i>ANP32E</i>	rs72694955	2.63E-03	7.86E-03	NA	2.11E-02
<i>EIF2B1</i>	rs11057238	3.13E-03	7.96E-03	NA	2.12E-02
<i>HIST1H2BH</i>	rs61534839	2.49E-03	8.02E-03	NA	2.13E-02
<i>DPEP2</i>	rs6499157	1.22E-03	8.16E-03	NA	2.15E-02
<i>TMEM180</i>	rs11818043	3.77E-03	8.35E-03	NA	2.19E-02
<i>HIST1H2AL</i>	rs34130214	6.46E-03	8.45E-03	NA	2.20E-02
<i>PPM1M</i>	rs2276834	2.86E-03	8.44E-03	NA	2.20E-02
<i>RP11-261C10.3</i>	rs12751210	2.75E-03	8.60E-03	NA	2.23E-02
<i>RPL32P1</i>	rs9273595	6.25E-03	8.60E-03	NA	2.23E-02
<i>B3GALT4</i>	rs707962	5.38E-03	8.75E-03	NA	2.23E-02
<i>NRM</i>	rs1610622	2.90E-03	8.74E-03	NA	2.23E-02
<i>PSMD6-AS2</i>	rs13272	3.55E-03	8.74E-03	NA	2.23E-02
<i>TRIM39</i>	rs12665531	2.94E-03	8.75E-03	NA	2.23E-02
<i>EGFL8</i>	rs2523554	4.63E-03	8.84E-03	NA	2.24E-02
<i>HIST1H2BN</i>	rs4711163	5.83E-03	8.85E-03	NA	2.24E-02
<i>RAD9B</i>	rs3026445	3.25E-03	8.89E-03	NA	2.24E-02
<i>PPP1R2P1</i>	rs616187	4.31E-03	8.96E-03	NA	2.25E-02
<i>MEF2C-AS1</i>	rs62378245	4.62E-03	9.06E-03	NA	2.26E-02
<i>VAMP3</i>	rs11121178	3.13E-03	9.03E-03	NA	2.26E-02
<i>FOXP1</i>	rs9842406	3.35E-03	9.18E-03	NA	2.28E-02
<i>BATF2</i>	rs1193851	3.06E-03	9.23E-03	NA	2.28E-02
<i>SYNGAP1</i>	rs9276915	3.68E-03	9.28E-03	NA	2.29E-02
<i>ATPAF2</i>	rs4584886	2.32E-03	9.48E-03	NA	2.33E-02
<i>MSH5</i>	rs2858310	4.20E-03	9.65E-03	NA	2.36E-02
<i>ARPC3</i>	rs3026445	3.79E-03	9.80E-03	NA	2.38E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>DDHD2</i>	rs2016875	4.10E-03	9.86E-03	NA	2.38E-02
<i>TM2D2</i>	rs9198	4.17E-03	9.81E-03	NA	2.38E-02
<i>TULP3</i>	rs68089646	3.79E-03	9.85E-03	NA	2.38E-02
<i>OGFOD2</i>	rs4148863	5.31E-03	9.91E-03	NA	2.38E-02
<i>SPATS2L</i>	rs3769456	4.82E-03	9.94E-03	NA	2.38E-02
<i>NELFE</i>	rs204990	7.72E-03	9.97E-03	NA	2.38E-02
<i>RP11-677M14.3</i>	rs12293624	4.06E-03	1.00E-02	NA	2.38E-02
<i>RFXANK</i>	rs880090	3.74E-03	1.01E-02	NA	2.39E-02
<i>XXbac-BPG249D20.9</i>	rs28744244	4.07E-03	1.02E-02	NA	2.40E-02
<i>PAQR5</i>	rs28620094	3.84E-03	1.03E-02	NA	2.42E-02
<i>ZSCAN16</i>	rs34130214	8.14E-03	1.04E-02	NA	2.42E-02
<i>WBP1</i>	rs11903916	3.98E-03	1.04E-02	NA	2.43E-02
<i>RP3-370M22.8</i>	rs11705236	5.05E-03	1.07E-02	NA	2.47E-02
<i>HLA-DPA1</i>	rs9270665	6.26E-03	1.08E-02	NA	2.47E-02
<i>TAPSAR1</i>	rs34434863	4.88E-03	1.08E-02	NA	2.47E-02
<i>ZNRD1</i>	rs2106072	8.74E-03	1.07E-02	NA	2.47E-02
<i>HIST1H3E</i>	rs2073526	5.00E-03	1.10E-02	NA	2.50E-02
<i>NFKBIL1</i>	rs12665531	4.22E-03	1.10E-02	NA	2.50E-02
<i>PSMB8</i>	rs4947350	6.74E-03	1.11E-02	NA	2.51E-02
<i>RP11-571M6.8</i>	rs324017	5.62E-03	1.11E-02	NA	2.51E-02
<i>RP4-756G23.5</i>	rs5758645	5.89E-03	1.12E-02	NA	2.51E-02
<i>ATF4</i>	rs5757717	5.69E-03	1.12E-02	NA	2.51E-02
<i>RP11-425L10.1</i>	rs7130141	6.53E-03	1.12E-02	NA	2.51E-02
<i>DEPDC1B</i>	rs4604142	7.24E-03	1.14E-02	NA	2.54E-02
<i>NR1H2</i>	rs7047	5.99E-03	1.16E-02	NA	2.57E-02
<i>CNGB1</i>	rs12447860	5.95E-03	1.17E-02	NA	2.58E-02
<i>PRR3</i>	rs3129986	9.22E-03	1.17E-02	NA	2.58E-02
<i>TMX2</i>	rs708228	5.61E-03	1.18E-02	NA	2.59E-02
<i>INHBE</i>	rs61937595	6.70E-03	1.21E-02	NA	2.63E-02
<i>SDCCAG8</i>	rs12751210	4.78E-03	1.21E-02	NA	2.64E-02
<i>RPS18</i>	rs176249	5.14E-03	1.22E-02	NA	2.65E-02
<i>SNRNP35</i>	rs1790119	5.66E-03	1.23E-02	NA	2.66E-02
<i>MICE</i>	rs1633081	7.44E-03	1.24E-02	NA	2.67E-02
<i>RFT1</i>	rs7638524	4.88E-03	1.24E-02	NA	2.67E-02
<i>ERCC8</i>	rs4604142	8.08E-03	1.25E-02	NA	2.67E-02
<i>ALDH16A1</i>	rs7047	6.72E-03	1.26E-02	NA	2.68E-02
<i>C6orf48</i>	rs1046089	9.00E-03	1.28E-02	NA	2.68E-02
<i>CTSW</i>	rs1193851	5.15E-03	1.28E-02	NA	2.68E-02
<i>RGL2</i>	rs9271562	7.88E-03	1.28E-02	NA	2.68E-02
<i>RP11-894P9.1</i>	rs1799796	7.95E-03	1.27E-02	NA	2.68E-02
<i>SERPING1</i>	rs708228	6.24E-03	1.27E-02	NA	2.68E-02
<i>WDR81</i>	rs8076939	5.20E-03	1.27E-02	NA	2.68E-02
<i>RP4-778K6.3</i>	rs6968335	5.69E-03	1.30E-02	NA	2.71E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>SGK223</i>	rs1878561	3.10E-03	9.86E-03	NA	2.71E-02
<i>SLURP1</i>	rs72687376	5.91E-03	1.31E-02	NA	2.73E-02
<i>C16orf93</i>	rs4788198	7.69E-03	1.33E-02	NA	2.73E-02
<i>C1orf116</i>	rs12749612	4.24E-03	1.32E-02	NA	2.73E-02
<i>HIST1H4J</i>	rs4711163	9.51E-03	1.33E-02	NA	2.73E-02
<i>TAPBP</i>	rs511515	5.73E-03	1.33E-02	NA	2.73E-02
<i>HCG4P11</i>	rs1610622	5.75E-03	1.35E-02	NA	2.74E-02
<i>MED25</i>	rs7047	7.32E-03	1.34E-02	NA	2.74E-02
<i>PHF1</i>	rs4947350	8.62E-03	1.35E-02	NA	2.74E-02
<i>TNFRSF13C</i>	rs133348	6.00E-03	1.34E-02	NA	2.74E-02
<i>FAM83G</i>	rs11078410	4.02E-03	1.38E-02	NA	2.80E-02
<i>SLC47A1</i>	rs72843506	2.91E-03	1.08E-02	NA	2.83E-02
<i>HIST1H2AC</i>	rs1179087	7.32E-03	1.41E-02	NA	2.85E-02
<i>HLA-B</i>	rs2233960	2.89E-03	1.13E-02	NA	2.88E-02
<i>TAP2</i>	rs1770	6.71E-03	1.44E-02	NA	2.90E-02
<i>ATG13</i>	rs12574918	7.48E-03	1.47E-02	NA	2.92E-02
<i>CDH1</i>	rs7187202	6.16E-03	1.46E-02	NA	2.92E-02
<i>CTSK</i>	rs7544145	6.72E-03	1.47E-02	NA	2.92E-02
<i>RP1-34B20.4</i>	rs9393698	7.35E-03	1.47E-02	NA	2.92E-02
<i>FGFR1</i>	rs17435276	5.25E-03	1.48E-02	NA	2.93E-02
<i>LYPLA2P1</i>	rs756139	7.70E-03	1.49E-02	NA	2.95E-02
<i>HSPA1A</i>	rs616187	8.75E-03	1.50E-02	NA	2.96E-02
<i>HIST2H2AC</i>	rs72694965	7.99E-03	1.51E-02	NA	2.97E-02
<i>DOPEY1</i>	rs4470825	7.78E-03	1.57E-02	NA	3.07E-02
<i>GPANK1</i>	rs2233974	1.21E-02	1.57E-02	NA	3.07E-02
<i>SAPCD1</i>	rs3095240	1.23E-02	1.57E-02	NA	3.07E-02
<i>ZNF165</i>	rs1150666	1.01E-02	1.59E-02	NA	3.08E-02
<i>BTN3A3</i>	rs61534839	7.54E-03	1.62E-02	NA	3.09E-02
<i>EHMT2</i>	rs1131156	9.71E-03	1.61E-02	NA	3.09E-02
<i>GOLPH3L</i>	rs7544145	7.76E-03	1.62E-02	NA	3.09E-02
<i>HCG4P7</i>	rs9257834	7.63E-03	1.63E-02	NA	3.09E-02
<i>HIST1H2AH</i>	rs34130214	1.36E-02	1.64E-02	NA	3.09E-02
<i>HIST1H4C</i>	rs3757150	1.34E-02	1.64E-02	NA	3.09E-02
<i>SNX32</i>	rs1193851	7.54E-03	1.64E-02	NA	3.09E-02
<i>TRIM8</i>	rs11191356	8.61E-03	1.61E-02	NA	3.09E-02
<i>UBE3B</i>	rs3026445	8.10E-03	1.63E-02	NA	3.09E-02
<i>XXbac-BPG252P9.9</i>	rs1632855	1.32E-02	1.61E-02	NA	3.09E-02
<i>NAB2</i>	rs324017	9.64E-03	1.65E-02	NA	3.10E-02
<i>MARCKSL1P1</i>	rs34747231	1.26E-02	1.66E-02	NA	3.12E-02
<i>DAXX</i>	rs210133	1.03E-02	1.68E-02	NA	3.14E-02
<i>LEMD2</i>	rs116131925	1.30E-02	1.68E-02	NA	3.14E-02
<i>HIST1H1B</i>	rs7750526	1.37E-02	1.71E-02	NA	3.16E-02
<i>NEAT1</i>	rs1193851	8.03E-03	1.71E-02	NA	3.16E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>RP11-434P11.2</i>	rs11903916	8.45E-03	1.72E-02	NA	3.16E-02
<i>ZNF192P1</i>	rs9301	1.22E-02	1.72E-02	NA	3.16E-02
<i>RP4-669P10.16</i>	rs7290134	8.52E-03	1.72E-02	NA	3.17E-02
<i>SLC39A7</i>	rs9274558	1.04E-02	1.73E-02	NA	3.17E-02
<i>SNX7</i>	rs4970719	1.06E-02	1.75E-02	NA	3.19E-02
<i>LTB</i>	rs1003878	1.32E-02	1.78E-02	NA	3.24E-02
<i>ELL</i>	rs2905432	1.16E-02	1.79E-02	NA	3.24E-02
<i>DRG2</i>	rs9895335	7.43E-03	1.79E-02	NA	3.25E-02
<i>PCNXL3</i>	rs1193851	8.68E-03	1.80E-02	NA	3.25E-02
<i>C10orf32</i>	rs284856	8.32E-03	1.82E-02	NA	3.28E-02
<i>ITGAL</i>	rs4788198	1.16E-02	1.82E-02	NA	3.28E-02
<i>FBN2</i>	rs2764766	5.44E-03	1.88E-02	NA	3.37E-02
<i>RP11-455F5.4</i>	rs4788198	1.25E-02	1.92E-02	NA	3.41E-02
<i>SUGP2</i>	rs1054930	1.24E-02	1.92E-02	NA	3.41E-02
<i>SLC43A2</i>	rs9909895	1.09E-02	1.93E-02	NA	3.43E-02
<i>RPL3P2</i>	rs2523673	1.29E-02	1.94E-02	NA	3.43E-02
<i>TLE3</i>	rs2137272	7.60E-03	1.95E-02	NA	3.44E-02
<i>APOM</i>	rs3094014	1.61E-02	1.98E-02	NA	3.45E-02
<i>BTN1A1</i>	rs6456728	1.66E-02	1.99E-02	NA	3.45E-02
<i>CS</i>	rs324015	1.24E-02	1.98E-02	NA	3.45E-02
<i>IBTK</i>	rs4470825	1.08E-02	1.98E-02	NA	3.45E-02
<i>PMM1</i>	rs7290134	1.05E-02	1.99E-02	NA	3.45E-02
<i>SPDYA</i>	rs13001060	8.39E-03	1.98E-02	NA	3.45E-02
<i>ZNF101</i>	rs880090	1.05E-02	2.00E-02	NA	3.46E-02
<i>PHF5A</i>	rs5996116	1.17E-02	2.01E-02	NA	3.46E-02
<i>RANP1</i>	rs1737048	1.50E-02	2.01E-02	NA	3.46E-02
<i>1-Sep</i>	rs4788198	1.32E-02	2.01E-02	NA	3.46E-02
<i>RP11-7807.2</i>	rs72843506	6.40E-03	1.70E-02	NA	3.49E-02
<i>AC104695.3</i>	rs4632296	8.77E-03	2.04E-02	NA	3.50E-02
<i>ACD</i>	rs56303487	8.12E-03	2.06E-02	NA	3.50E-02
<i>RP11-261C10.7</i>	rs12751210	1.06E-02	2.06E-02	NA	3.50E-02
<i>RPRD2</i>	rs7521783	1.21E-02	2.05E-02	NA	3.50E-02
<i>SLC39A8</i>	rs13107325	1.59E-02	2.07E-02	NA	3.50E-02
<i>ZSCAN31</i>	rs2747054	1.83E-02	2.08E-02	NA	3.51E-02
<i>CTC-559E9.5</i>	rs62135552	1.26E-02	2.10E-02	NA	3.54E-02
<i>CLK1</i>	rs281771	1.61E-02	2.12E-02	NA	3.57E-02
<i>DXO</i>	rs9276905	1.13E-02	2.13E-02	NA	3.58E-02
<i>RP1-86C11.7</i>	rs16897515	1.90E-02	2.14E-02	NA	3.59E-02
<i>CYP17A1</i>	rs10883823	1.62E-02	2.17E-02	NA	3.61E-02
<i>TVP23B</i>	rs11078400	9.26E-03	2.17E-02	NA	3.61E-02
<i>VAR5</i>	rs7195	1.47E-02	2.17E-02	NA	3.61E-02
<i>RP11-455F5.3</i>	rs4788198	1.46E-02	2.18E-02	NA	3.61E-02
<i>ZNF14</i>	rs7249692	1.36E-02	2.18E-02	NA	3.61E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>MADD</i>	rs61882682	1.53E-02	2.21E-02	NA	3.65E-02
<i>ALPK3</i>	rs7237	9.57E-03	2.24E-02	NA	3.65E-02
<i>ATAT1</i>	rs2523673	1.56E-02	2.26E-02	NA	3.65E-02
<i>EIF3B</i>	rs6975354	1.35E-02	2.26E-02	NA	3.65E-02
<i>GLS2</i>	rs61937595	1.49E-02	2.23E-02	NA	3.65E-02
<i>HARBI1</i>	rs35324223	1.60E-02	2.25E-02	NA	3.65E-02
<i>HCG4B</i>	rs1610721	1.70E-02	2.29E-02	NA	3.65E-02
<i>HIST1H2AG</i>	rs45527431	2.06E-02	2.27E-02	NA	3.65E-02
<i>HSPA1L</i>	rs616187	1.50E-02	2.28E-02	NA	3.65E-02
<i>NUDT3</i>	rs9394145	1.26E-02	2.25E-02	NA	3.65E-02
<i>PITPNA</i>	rs9893573	1.21E-02	2.24E-02	NA	3.65E-02
<i>RP3-425P12.4</i>	rs198811	1.49E-02	2.28E-02	NA	3.65E-02
<i>TOP3A</i>	rs4584886	1.03E-02	2.28E-02	NA	3.65E-02
<i>ZDHHC20P1</i>	rs3129055	1.56E-02	2.26E-02	NA	3.65E-02
<i>ALAS1</i>	rs2581819	1.59E-02	2.31E-02	NA	3.67E-02
<i>GDPGP1</i>	rs6227	1.42E-02	2.30E-02	NA	3.67E-02
<i>TNF</i>	rs1800629	1.85E-02	2.32E-02	NA	3.69E-02
<i>C1orf132</i>	rs2745977	1.11E-02	2.33E-02	NA	3.69E-02
<i>GPR146</i>	rs12671113	1.61E-02	2.34E-02	NA	3.69E-02
<i>RPS3P2</i>	rs208818	1.55E-02	2.35E-02	NA	3.69E-02
<i>SLC39A5</i>	rs324015	1.55E-02	2.35E-02	NA	3.69E-02
<i>XXbac-BPG157A10.21</i>	rs3129877	1.51E-02	2.35E-02	NA	3.69E-02
<i>HIST1H2BL</i>	rs200983	2.10E-02	2.36E-02	NA	3.70E-02
<i>Y_RNA</i>	rs2428498	1.47E-02	2.41E-02	NA	3.76E-02
<i>RTN4RL1</i>	rs9893573	1.38E-02	2.45E-02	NA	3.82E-02
<i>CTB-152G17.6</i>	rs6968335	1.44E-02	2.47E-02	NA	3.83E-02
<i>RP11-73M18.6</i>	rs58033365	1.78E-02	2.47E-02	NA	3.83E-02
<i>GYS1</i>	rs10417980	1.40E-02	2.48E-02	NA	3.84E-02
<i>CETN3</i>	rs6891794	1.75E-02	2.50E-02	NA	3.84E-02
<i>FLCN</i>	rs6826	1.22E-02	2.52E-02	NA	3.84E-02
<i>NFAM1</i>	rs1807494	1.58E-02	2.51E-02	NA	3.84E-02
<i>SBP1</i>	rs2858310	1.58E-02	2.49E-02	NA	3.84E-02
<i>TMEM243</i>	rs73206909	1.58E-02	2.51E-02	NA	3.84E-02
<i>TNXB</i>	rs2858328	1.65E-02	2.52E-02	NA	3.84E-02
<i>CTSS</i>	rs7521783	1.61E-02	2.54E-02	NA	3.87E-02
<i>SPOCK1</i>	rs256013	1.48E-02	2.55E-02	NA	3.87E-02
<i>ASPDH</i>	rs57940349	1.46E-02	2.56E-02	NA	3.87E-02
<i>ADIPOR2</i>	rs68089646	1.55E-02	2.59E-02	NA	3.88E-02
<i>BAP1</i>	rs11235	1.62E-02	2.57E-02	NA	3.88E-02
<i>CDC25C</i>	rs256013	1.52E-02	2.59E-02	NA	3.88E-02
<i>KCTD9</i>	rs1042992	1.61E-02	2.59E-02	NA	3.88E-02
<i>TIMM10</i>	rs708228	1.66E-02	2.60E-02	NA	3.88E-02
<i>HIST1H2BJ</i>	rs198811	1.78E-02	2.61E-02	NA	3.89E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>HIST1H3J</i>	rs1225715	1.97E-02	2.61E-02	NA	3.89E-02
<i>DIS3L2</i>	rs974321	2.10E-02	2.66E-02	NA	3.94E-02
<i>LY6G6E</i>	rs6457375	1.95E-02	2.65E-02	NA	3.94E-02
<i>STAB1</i>	rs352139	9.81E-03	2.66E-02	NA	3.94E-02
<i>IDH2</i>	rs4702	1.95E-02	2.68E-02	NA	3.94E-02
<i>NGRN</i>	rs35346340	1.70E-02	2.68E-02	NA	3.94E-02
<i>RING1</i>	rs511515	1.58E-02	2.68E-02	NA	3.94E-02
<i>C1orf51</i>	rs72694955	1.64E-02	2.70E-02	NA	3.95E-02
<i>DBP</i>	rs10417980	1.59E-02	2.71E-02	NA	3.95E-02
<i>HIST1H3B</i>	rs9393716	2.10E-02	2.72E-02	NA	3.95E-02
<i>NPTXR</i>	rs1883123	1.87E-02	2.71E-02	NA	3.95E-02
<i>SUMO2P1</i>	rs9885928	1.95E-02	2.73E-02	NA	3.95E-02
<i>TAP1</i>	rs9276905	1.59E-02	2.72E-02	NA	3.95E-02
<i>UBE2Q2P1</i>	rs11633450	1.59E-02	2.71E-02	NA	3.95E-02
<i>ZFYVE21</i>	rs4906336	2.03E-02	2.74E-02	NA	3.96E-02
<i>HIST1H1PS1</i>	rs198811	1.89E-02	2.75E-02	NA	3.96E-02
<i>EIF4EBP1</i>	rs16887340	1.78E-02	2.76E-02	NA	3.97E-02
<i>RP11-209D14.4</i>	rs72843506	1.09E-02	2.36E-02	NA	3.98E-02
<i>FAM53C</i>	rs1811371	1.64E-02	2.79E-02	NA	3.99E-02
<i>HCG11</i>	rs2073526	1.81E-02	2.79E-02	NA	3.99E-02
<i>SEMA6C</i>	rs12124898	1.71E-02	2.80E-02	NA	4.00E-02
<i>SREBF2</i>	rs5751220	1.72E-02	2.82E-02	NA	4.03E-02
<i>GBF1</i>	rs284856	1.62E-02	2.86E-02	NA	4.08E-02
<i>OBFC1</i>	rs4917994	2.29E-02	2.93E-02	NA	4.16E-02
<i>ABHD14B</i>	rs9836499	1.99E-02	2.94E-02	NA	4.16E-02
<i>BRD2</i>	rs9275109	1.89E-02	2.96E-02	NA	4.18E-02
<i>HLA-DMB</i>	rs1003878	2.39E-02	2.96E-02	NA	4.18E-02
<i>ADAP1</i>	rs7783715	1.82E-02	2.97E-02	NA	4.18E-02
<i>HIST1H3G</i>	rs501220	2.46E-02	2.98E-02	NA	4.18E-02
<i>KHK</i>	rs12474906	1.71E-02	2.98E-02	NA	4.18E-02
<i>HIST1H2BM</i>	rs9468350	2.63E-02	2.99E-02	NA	4.18E-02
<i>SNHG17</i>	rs12625702	1.95E-02	3.00E-02	NA	4.18E-02
<i>KCNIP2</i>	rs284857	1.79E-02	3.01E-02	NA	4.19E-02
<i>CLCN3</i>	rs4434205	1.52E-02	3.03E-02	NA	4.20E-02
<i>PEX16</i>	rs11038864	2.09E-02	3.04E-02	NA	4.20E-02
<i>SLC35E2B</i>	rs942820	2.11E-02	3.03E-02	NA	4.20E-02
<i>SV2A</i>	rs72694962	1.96E-02	3.04E-02	NA	4.20E-02
<i>GLT8D1</i>	rs2276834	1.92E-02	3.06E-02	NA	4.22E-02
<i>GNL1</i>	rs9501082	2.06E-02	3.08E-02	NA	4.23E-02
<i>AKT3</i>	rs3006916	1.93E-02	3.14E-02	NA	4.25E-02
<i>CBFB</i>	rs56303487	1.57E-02	3.11E-02	NA	4.25E-02
<i>FCGRT</i>	rs7047	2.20E-02	3.11E-02	NA	4.25E-02
<i>HIC1</i>	rs11078018	2.07E-02	3.12E-02	NA	4.25E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>HIST1H2AE</i>	rs66972160	2.38E-02	3.14E-02	NA	4.25E-02
<i>RBKS</i>	rs12474906	1.84E-02	3.14E-02	NA	4.25E-02
<i>RP11-196G18.22</i>	rs72694955	2.00E-02	3.13E-02	NA	4.25E-02
<i>RP11-54A4.2</i>	rs72694955	2.01E-02	3.14E-02	NA	4.25E-02
<i>WDR46</i>	rs1003878	2.52E-02	3.10E-02	NA	4.25E-02
<i>DCP1A</i>	rs2019065	1.74E-02	3.16E-02	NA	4.26E-02
<i>BTBD1</i>	rs2135551	1.98E-02	3.17E-02	NA	4.26E-02
<i>HYAL3</i>	rs9852677	7.82E-04	3.17E-02	NA	4.26E-02
<i>TAC3</i>	rs324015	2.28E-02	3.19E-02	NA	4.27E-02
<i>ZBTB9</i>	rs73409643	2.71E-02	3.20E-02	NA	4.29E-02
<i>FAM213B</i>	rs942820	2.27E-02	3.22E-02	NA	4.29E-02
<i>HLA-DOA</i>	rs9394145	2.10E-02	3.27E-02	NA	4.35E-02
<i>BTN2A3P</i>	rs66972160	2.51E-02	3.28E-02	NA	4.36E-02
<i>ACO2</i>	rs9607850	2.15E-02	3.33E-02	NA	4.42E-02
<i>MIR4519</i>	rs4424923	2.39E-02	3.38E-02	NA	4.46E-02
<i>FUT1</i>	rs57940349	2.15E-02	3.38E-02	NA	4.46E-02
<i>PPP1R11</i>	rs9257834	2.21E-02	3.45E-02	NA	4.54E-02
<i>EPC2</i>	rs76355118	2.03E-02	3.22E-02	NA	4.58E-02
<i>PITPNM2</i>	rs7296418	2.57E-02	3.50E-02	NA	4.59E-02
<i>SLC5A6</i>	rs12474906	2.15E-02	3.50E-02	NA	4.59E-02
<i>HFE</i>	rs12199613	2.89E-02	3.54E-02	NA	4.62E-02
<i>HMGA1</i>	rs10947436	2.54E-02	3.54E-02	NA	4.62E-02
<i>KRT8P26</i>	rs1193851	2.26E-02	3.53E-02	NA	4.62E-02
<i>TTL1</i>	rs134885	2.66E-02	3.59E-02	NA	4.67E-02
<i>PBX4</i>	rs62135552	2.55E-02	3.61E-02	NA	4.68E-02
<i>HIST2H2AA4</i>	rs72694962	2.46E-02	3.62E-02	NA	4.69E-02
<i>HNRNPA0</i>	rs3756766	2.27E-02	3.65E-02	NA	4.71E-02
<i>TSPAN9</i>	rs3829331	3.08E-02	3.67E-02	NA	4.73E-02
<i>CTA-223H9.9</i>	rs133379	2.65E-02	3.69E-02	NA	4.74E-02
<i>RP4-669P10.19</i>	rs9607850	2.47E-02	3.71E-02	NA	4.76E-02
<i>RP11-561C5.4</i>	rs17598603	2.62E-02	3.72E-02	NA	4.76E-02
<i>WDR73</i>	rs12905223	2.46E-02	3.72E-02	NA	4.76E-02
<i>PSMG3-AS1</i>	rs4719366	2.84E-02	3.74E-02	NA	4.77E-02
<i>SLC35G2</i>	rs7349597	2.71E-02	3.75E-02	NA	4.78E-02
<i>NKAPL</i>	rs11752496	3.24E-02	3.79E-02	NA	4.82E-02
<i>CYCS</i>	rs79210963	2.55E-02	3.84E-02	NA	4.87E-02
<i>RP11-245J9.5</i>	rs13272	2.80E-02	3.91E-02	NA	4.95E-02
<i>RP11-47A8.5</i>	rs3934495	2.87E-02	3.91E-02	NA	4.95E-02
<i>RRP7B</i>	rs9607850	2.66E-02	3.92E-02	NA	4.95E-02
<i>VRK3</i>	rs7047	2.98E-02	3.97E-02	NA	5.00E-02

(2) The most significant SMR analyses results in brain tissues from GTEx.

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>BTN3A2</i>	rs3047288	1.47E-14	3.86E-10	0.34	2.26E-07
<i>HLA-DMA</i>	rs73409643	8.12E-18	7.02E-10	NA	4.72E-07
<i>HCG4</i>	rs1610645	6.50E-22	5.58E-09	0.06	1.63E-06
<i>C4A</i>	rs3129950	2.55E-11	1.01E-08	0.05	3.38E-06
<i>LY6G5C</i>	rs1046089	5.06E-14	2.70E-08	NA	6.05E-06
<i>RP11-753C18.8</i>	rs7911789	5.03E-13	1.25E-07	NA	2.10E-05
<i>CYP21A1P</i>	rs3129950	5.33E-10	5.66E-08	0.07	2.24E-05
<i>PRSS16</i>	rs13205911	5.09E-09	8.55E-08	0.19	2.91E-05
<i>AS3MT</i>	rs35525740	5.87E-13	1.80E-07	NA	4.09E-05
<i>MICE</i>	rs1737082	1.65E-13	3.38E-07	0.06	4.70E-05
<i>RNF5</i>	rs3130281	3.15E-09	3.44E-07	0.19	4.70E-05
<i>HLA-C</i>	rs6457375	6.70E-13	4.44E-07	0.23	5.86E-05
<i>RP11-724N1.1</i>	rs7911789	5.38E-11	5.49E-07	NA	6.24E-05
<i>HLA-F</i>	rs1610720	3.16E-11	5.36E-07	0.07	7.21E-05
<i>AC103965.1</i>	rs12905223	2.06E-23	1.38E-07	0.36	7.94E-05
<i>NAGA</i>	rs6519298	4.42E-16	7.11E-07	0.07	7.96E-05
<i>HLA-DMB</i>	rs73409643	4.77E-09	1.05E-06	0.22	8.93E-05
<i>VAR2</i>	rs3131787	1.40E-08	9.89E-07	0.47	8.93E-05
<i>BAG6</i>	rs2736176	1.77E-10	1.31E-06	0.27	8.93E-05
<i>WASF5P</i>	rs9266231	3.34E-10	1.25E-06	0.05	8.93E-05
<i>HLA-DQB2</i>	rs1130145	1.43E-14	3.22E-07	0.43	9.28E-05
<i>INO80E</i>	rs4583255	7.45E-11	2.01E-06	0.21	1.14E-04
<i>NDUFA6-AS1</i>	rs8135801	3.67E-15	1.95E-06	0.12	1.14E-04
<i>C10orf32</i>	rs35525740	1.27E-09	2.17E-06	NA	1.14E-04
<i>HLA-V</i>	rs1610720	3.95E-10	1.29E-06	0.26	1.19E-04
<i>XXbac-BPG154L12.4</i>	rs6457513	3.60E-09	9.61E-07	NA	1.19E-04
<i>PITPNM2</i>	rs1051434	1.69E-10	2.60E-06	0.13	1.27E-04
<i>CYP21A2</i>	rs1265754	2.81E-07	3.03E-06	0.46	1.29E-04
<i>ZSCAN9</i>	rs3131336	6.20E-07	2.85E-06	0.31	1.29E-04
<i>ITIH4</i>	rs13072536	1.05E-17	3.61E-06	NA	1.38E-04
<i>RP4-669P10.19</i>	rs8135801	2.39E-13	3.65E-06	0.12	1.38E-04
<i>ALMS1P</i>	rs73947808	5.25E-15	4.34E-06	NA	1.56E-04
<i>ZSCAN31</i>	rs213238	6.91E-13	6.15E-07	0.08	1.67E-04
<i>CYP2D6</i>	rs5758605	2.49E-14	8.21E-07	0.51	1.67E-04
<i>DDAH2</i>	rs1046089	4.36E-08	5.09E-06	0.14	1.74E-04
<i>ZNF184</i>	rs45527431	5.84E-08	5.87E-07	0.41	1.77E-04
<i>HCG27</i>	rs1130592	3.38E-09	5.98E-06	0.33	1.94E-04
<i>TYW5</i>	rs281771	5.57E-09	2.38E-06	0.98	2.00E-04
<i>CACNA1C</i>	rs11062170	4.08E-08	3.30E-06	0.53	2.09E-04
<i>RP13-98N21.3</i>	rs75884951	6.06E-18	3.43E-06	0.11	2.09E-04
<i>HLA-F-AS1</i>	rs416571	7.33E-14	2.05E-06	NA	2.17E-04

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>TM6SF2</i>	rs4808203	3.54E-09	7.70E-06	0.83	2.39E-04
<i>MSH5</i>	rs3115674	8.53E-08	1.33E-06	0.37	2.59E-04
<i>RP11-806K15.1</i>	rs7673823	7.64E-11	5.46E-06	NA	2.82E-04
<i>FTSJ2</i>	rs4719431	8.14E-08	9.54E-06	0.30	2.83E-04
<i>CD46</i>	rs2745977	9.49E-20	1.04E-05	NA	2.84E-04
<i>BRD2</i>	rs73409643	2.91E-08	2.61E-06	NA	3.10E-04
<i>RP11-102M11.2</i>	rs696520	9.37E-12	1.98E-06	0.37	3.18E-04
<i>C2orf82</i>	rs2675956	8.09E-09	4.22E-06	0.30	3.41E-04
<i>RPL23AP1</i>	rs1610720	3.25E-08	7.48E-06	0.10	3.59E-04
<i>HLA-DRB5</i>	rs72849267	4.58E-11	6.11E-06	0.07	3.90E-04
<i>RP11-890B15.3</i>	rs62621284	6.92E-16	5.60E-06	NA	3.90E-04
<i>RP4-669P10.16</i>	rs8135801	2.28E-20	1.03E-05	0.12	4.50E-04
<i>PPAPDC1B</i>	rs1488936	1.61E-09	2.03E-05	0.70	4.94E-04
<i>PRR12</i>	rs57940349	1.99E-11	2.03E-05	NA	4.94E-04
<i>ZKSCAN8</i>	rs34130214	3.10E-06	2.12E-05	0.13	5.00E-04
<i>ARL3</i>	rs7911789	4.83E-07	2.42E-05	0.27	5.51E-04
<i>RP5-874C20.3</i>	rs213238	1.06E-09	4.68E-06	0.15	5.54E-04
<i>HCG4P3</i>	rs1061815	2.78E-08	2.80E-06	0.11	5.72E-04
<i>HLA-K</i>	rs1264352	2.07E-07	3.59E-06	0.28	5.72E-04
<i>SF3B1</i>	rs3792159	1.38E-07	2.64E-05	0.72	5.80E-04
<i>THOC7</i>	rs7615475	7.00E-09	2.85E-05	0.83	6.08E-04
<i>DDHD2</i>	rs9198	5.31E-09	3.03E-05	0.86	6.14E-04
<i>GLYCK</i>	rs1060330	7.36E-10	3.32E-05	0.16	6.14E-04
<i>NAT8</i>	rs11903916	5.13E-10	3.18E-05	NA	6.14E-04
<i>DNM1P51</i>	rs2135551	1.02E-12	2.77E-06	0.48	6.18E-04
<i>PAC3IN3</i>	rs12272795	2.01E-07	3.56E-05	0.51	6.23E-04
<i>CENPM</i>	rs1894713	6.93E-11	4.10E-06	0.34	6.58E-04
<i>CHRNA2</i>	rs2565065	1.77E-08	3.89E-05	NA	6.63E-04
<i>HLA-DRB6</i>	rs7195	6.38E-09	1.04E-05	0.56	6.71E-04
<i>HCG23</i>	rs1003878	1.80E-07	1.16E-05	0.06	6.83E-04
<i>RP11-73M18.8</i>	rs3212090	7.09E-07	4.34E-05	0.53	7.05E-04
<i>HLA-DQB1</i>	rs1130126	9.79E-07	4.50E-05	0.57	7.12E-04
<i>STK19P</i>	rs3129950	1.21E-05	4.59E-05	0.51	7.12E-04
<i>ZNF192P2</i>	rs9301	2.11E-08	1.42E-05	0.09	7.13E-04
<i>C6orf48</i>	rs2001097	9.64E-06	4.76E-05	0.30	7.21E-04
<i>ZNF192P1</i>	rs760587	3.23E-07	1.11E-05	0.71	7.76E-04
<i>ZSCAN23</i>	rs1416920	1.29E-06	1.72E-05	0.24	8.37E-04
<i>C4B</i>	rs2233974	1.28E-06	2.09E-05	0.08	8.49E-04
<i>HCG17</i>	rs1634721	2.64E-06	1.42E-05	0.38	8.49E-04
<i>NOTCH4</i>	rs204994	1.92E-06	2.17E-05	0.05	8.49E-04
<i>RP11-275H4.1</i>	rs1871355	1.00E-10	2.42E-05	NA	8.49E-04
<i>RP11-457M11.5</i>	rs13217675	4.02E-09	1.99E-05	0.10	8.49E-04
<i>XXbac-BPG299F13.17</i>	rs9266244	2.73E-07	1.75E-05	0.55	8.49E-04

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>GPSM3</i>	rs204994	9.62E-06	6.27E-05	0.17	8.49E-04
<i>PPM1M</i>	rs7629072	1.68E-08	6.48E-05	0.62	8.49E-04
<i>CSPG4P11</i>	rs2135551	6.11E-08	4.41E-05	0.26	9.09E-04
<i>SNX19</i>	rs4936123	4.44E-12	2.25E-05	0.11	9.27E-04
<i>WBP2NL</i>	rs6519298	2.69E-09	1.62E-05	0.13	9.76E-04
<i>BAK1</i>	rs210142	2.13E-09	3.26E-05	NA	9.87E-04
<i>GNL3</i>	rs11235	9.19E-09	3.54E-05	0.32	9.92E-04
<i>IFITM4P</i>	rs1633081	2.48E-07	3.28E-05	0.19	9.93E-04
<i>FAM86B3P</i>	rs2948286	3.51E-19	6.77E-05	NA	1.12E-03
<i>ATAT1</i>	rs1264352	2.22E-06	1.73E-05	0.39	1.18E-03
<i>FAM85B</i>	rs2948286	5.83E-18	7.65E-05	NA	1.19E-03
<i>CFB</i>	rs3132935	3.14E-06	3.00E-05	0.48	1.19E-03
<i>FTCDNL1</i>	rs796364	5.81E-07	1.84E-05	0.45	1.20E-03
<i>LY6G5B</i>	rs1046089	1.19E-05	1.10E-04	NA	1.29E-03
<i>RP11-282O18.3</i>	rs585522	7.67E-07	1.10E-04	0.35	1.29E-03
<i>RPS20P22</i>	rs2411256	4.05E-07	1.07E-04	0.72	1.29E-03
<i>HLA-DRB1</i>	rs7195	4.01E-07	4.94E-05	0.65	1.37E-03
<i>HLA-U</i>	rs112863520	4.54E-07	5.32E-05	0.05	1.41E-03
<i>GOLGA6L10</i>	rs1269134	3.60E-07	1.29E-04	0.83	1.48E-03
<i>IRF3</i>	rs7047	1.72E-06	1.30E-04	NA	1.48E-03
<i>HLA-J</i>	rs1061815	1.76E-06	2.78E-05	0.07	1.48E-03
<i>HLA-DQB1-AS1</i>	rs2858310	4.60E-08	4.97E-05	NA	1.54E-03
<i>XXbac-BPG181B23.7</i>	rs9266797	1.85E-08	5.02E-05	NA	1.54E-03
<i>POU5F1</i>	rs3925616	1.35E-06	1.43E-04	0.56	1.57E-03
<i>SFMBT1</i>	rs4687680	2.10E-06	1.42E-04	0.33	1.57E-03
<i>IGSF9B</i>	rs73036062	7.73E-06	1.45E-04	NA	1.57E-03
<i>SMDT1</i>	rs6002597	5.05E-08	5.66E-05	0.12	1.66E-03
<i>CYP2D8P1</i>	rs134885	3.88E-06	1.68E-04	0.46	1.71E-03
<i>HCG4P7</i>	rs416571	8.24E-07	1.21E-04	NA	1.71E-03
<i>C6orf100</i>	rs3116856	1.32E-06	3.85E-05	0.48	1.72E-03
<i>YPEL3</i>	rs4788211	8.83E-08	9.04E-05	0.08	1.77E-03
<i>XRCC3</i>	rs35498576	1.19E-05	2.00E-04	0.83	2.01E-03
<i>CSPG4P12</i>	rs12905223	3.08E-08	3.61E-05	0.37	2.05E-03
<i>PGBD1</i>	rs34130214	3.50E-05	1.22E-04	NA	2.16E-03
<i>HLA-B</i>	rs2523599	6.48E-07	7.44E-05	0.52	2.17E-03
<i>HLA-DQA2</i>	rs2858310	3.46E-06	2.30E-04	NA	2.27E-03
<i>GOLGA6L5</i>	rs950169	1.73E-07	5.18E-05	0.48	2.34E-03
<i>CPT1C</i>	rs7047	7.32E-06	2.45E-04	NA	2.39E-03
<i>PCCB</i>	rs696520	1.68E-06	1.03E-04	0.64	2.43E-03
<i>RNASEH2C</i>	rs1193851	3.95E-08	1.07E-04	NA	2.44E-03
<i>SMCR5</i>	rs9907287	5.63E-08	2.58E-04	0.42	2.48E-03
<i>HCG4B</i>	rs1629068	9.53E-06	9.36E-05	0.38	2.52E-03
<i>RP1-265C24.5</i>	rs200969	2.96E-06	6.05E-05	0.10	2.52E-03

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>BTN2A2</i>	rs3208733	1.79E-07	1.04E-04	NA	2.55E-03
<i>OLA1P1</i>	rs5758645	1.48E-06	1.07E-04	0.19	2.55E-03
<i>TOM1L2</i>	rs4584886	1.89E-07	1.97E-04	0.53	2.57E-03
<i>LEMD2</i>	rs487835	3.64E-06	2.75E-04	0.38	2.61E-03
<i>TOB2P1</i>	rs1416920	2.17E-05	1.11E-04	0.19	2.63E-03
<i>TSNARE1</i>	rs7832163	7.77E-07	1.69E-04	NA	2.74E-03
<i>GDPD3</i>	rs4424923	8.86E-06	3.00E-04	NA	2.76E-03
<i>RP11-731C17.2</i>	rs9845788	9.85E-07	1.89E-04	0.45	2.77E-03
<i>TMEM180</i>	rs284854	2.80E-07	1.25E-04	NA	2.78E-03
<i>SDAD1P1</i>	rs3808581	4.32E-06	3.12E-04	NA	2.84E-03
<i>ZNF391</i>	rs35555795	3.58E-05	9.84E-05	0.26	2.88E-03
<i>SERBP1P3</i>	rs4687680	4.85E-06	2.04E-04	0.30	2.91E-03
<i>FAM154B</i>	rs75884951	5.49E-07	2.11E-04	0.26	2.95E-03
<i>RCCD1</i>	rs4702	1.54E-05	2.36E-04	NA	3.18E-03
<i>FLOT1</i>	rs3129984	1.01E-04	2.45E-04	0.46	3.23E-03
<i>BTBD1</i>	rs4779046	7.07E-07	1.91E-04	NA	3.26E-03
<i>TCF19</i>	rs9262696	1.03E-06	2.15E-04	0.21	3.26E-03
<i>RP11-425L10.1</i>	rs6485685	4.03E-06	1.63E-04	NA	3.29E-03
<i>ZKSCAN3</i>	rs9301	1.23E-05	1.44E-04	0.40	3.42E-03
<i>FAM109B</i>	rs6002597	3.36E-06	2.44E-04	0.30	3.62E-03
<i>NT5C2</i>	rs79237883	3.59E-05	2.03E-04	0.84	3.70E-03
<i>RFT1</i>	rs4687680	8.21E-06	2.58E-04	NA	3.74E-03
<i>AC091969.1</i>	rs17489682	4.49E-06	2.18E-04	0.67	3.74E-03
<i>CCHCR1</i>	rs887465	5.75E-05	2.31E-04	NA	3.74E-03
<i>NMB</i>	rs17598603	2.15E-06	2.07E-04	0.94	3.74E-03
<i>WDR73</i>	rs11631921	2.00E-07	1.72E-04	0.10	3.77E-03
<i>NMUR2</i>	rs2961756	3.79E-07	1.78E-04	0.25	3.79E-03
<i>TSNAXIP1</i>	rs1971546	1.75E-07	1.67E-04	NA	3.83E-03
<i>PSORS1C3</i>	rs3132564	2.85E-05	3.06E-04	NA	3.85E-03
<i>PSORS1C1</i>	rs1049709	2.86E-05	1.09E-04	0.44	3.89E-03
<i>APOPT1</i>	rs56168984	5.32E-06	1.22E-04	0.54	3.95E-03
<i>BTN3A3</i>	rs6940638	5.73E-05	3.18E-04	0.15	3.97E-03
<i>HLA-DOA</i>	rs1003878	5.65E-05	3.13E-04	NA	3.97E-03
<i>RERE</i>	rs302719	3.82E-06	3.07E-04	NA	3.97E-03
<i>SRR</i>	rs2224770	4.22E-07	1.84E-04	NA	4.05E-03
<i>RP5-874C20.6</i>	rs34546986	2.11E-04	3.56E-04	NA	4.27E-03
<i>TDRD9</i>	rs10132641	1.46E-05	3.00E-04	0.15	4.40E-03
<i>ABHD16A</i>	rs1046089	6.79E-05	3.35E-04	NA	4.50E-03
<i>PRMT7</i>	rs1971546	1.57E-06	3.22E-04	NA	4.50E-03
<i>HLA-G</i>	rs3129973	1.80E-04	3.85E-04	0.22	4.54E-03
<i>U91328.19</i>	rs198811	2.48E-05	4.21E-04	NA	4.70E-03
<i>ENPP7P1</i>	rs2948286	2.64E-08	5.11E-04	NA	4.80E-03
<i>PLEKHO1</i>	rs72694957	3.08E-05	5.93E-04	NA	4.87E-03

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>SKIV2L</i>	rs9266244	1.36E-04	6.08E-04	0.25	4.94E-03
<i>CDK2AP1</i>	rs1051434	4.13E-05	4.15E-04	NA	4.96E-03
<i>CUL3</i>	rs3768886	7.11E-06	4.53E-04	NA	4.96E-03
<i>CYP2D7P1</i>	rs2143139	3.02E-05	4.49E-04	NA	4.96E-03
<i>MPHOSPH9</i>	rs4553407	2.36E-05	4.13E-04	0.27	4.96E-03
<i>SETD8</i>	rs11057238	1.25E-05	4.01E-04	0.14	4.96E-03
<i>VPS29</i>	rs12305489	1.08E-05	4.33E-04	NA	4.96E-03
<i>VSIG2</i>	rs12283429	1.95E-05	4.47E-04	NA	4.96E-03
<i>HAPLN4</i>	rs8101938	1.57E-05	6.28E-04	0.28	5.04E-03
<i>LINC00942</i>	rs11062170	6.51E-05	2.79E-04	NA	5.06E-03
<i>MICA</i>	rs9262617	8.13E-06	5.05E-04	0.23	5.11E-03
<i>PBX4</i>	rs880090	1.66E-05	6.52E-04	0.35	5.12E-03
<i>CTSS</i>	rs72694955	1.20E-05	5.26E-04	NA	5.19E-03
<i>INA</i>	rs10430665	1.38E-04	5.06E-04	NA	5.37E-03
<i>TMTC1</i>	rs302317	8.90E-06	6.15E-04	NA	5.38E-03
<i>HIST1H3E</i>	rs34525648	6.84E-05	2.35E-04	NA	5.47E-03
<i>HCG22</i>	rs2233974	2.55E-04	7.17E-04	NA	5.51E-03
<i>HLA-L</i>	rs2523898	4.96E-05	6.04E-04	0.52	5.57E-03
<i>ABCB9</i>	rs10846491	2.14E-05	5.43E-04	0.47	5.67E-03
<i>CILP2</i>	rs8101938	1.57E-05	6.27E-04	0.21	5.70E-03
<i>CTA-250D10.23</i>	rs5996096	2.12E-05	7.82E-04	0.16	5.85E-03
<i>TNFRSF13C</i>	rs1894713	8.92E-05	7.90E-04	0.62	5.85E-03
<i>MYO15A</i>	rs2955365	6.40E-06	7.36E-04	0.63	5.96E-03
<i>MAPK3</i>	rs4424923	1.39E-05	3.68E-04	NA	6.03E-03
<i>GUSBP2</i>	rs2747054	5.16E-05	1.33E-04	NA	6.09E-03
<i>HIST1H2BF</i>	rs6902389	1.55E-04	3.40E-04	0.45	6.13E-03
<i>RP5-966M1.5</i>	rs678	6.97E-06	6.35E-04	0.35	6.14E-03
<i>ABCF1</i>	rs886424	4.70E-04	8.69E-04	NA	6.20E-03
<i>BTNL2</i>	rs3115674	5.03E-04	8.88E-04	0.93	6.20E-03
<i>LINC00240</i>	rs200969	2.41E-04	8.90E-04	NA	6.20E-03
<i>RP11-245J9.4</i>	rs7615475	6.66E-05	8.67E-04	0.96	6.20E-03
<i>ZC3H7B</i>	rs9611488	6.74E-05	9.05E-04	NA	6.23E-03
<i>RP11-863K10.4</i>	rs7005874	4.23E-05	7.42E-04	NA	6.39E-03
<i>PCNXL3</i>	rs1193851	3.25E-05	9.42E-04	NA	6.42E-03
<i>HCG24</i>	rs210142	7.71E-06	4.07E-04	NA	6.44E-03
<i>ZNRD1-AS1</i>	rs1061815	3.78E-04	9.95E-04	NA	6.56E-03
<i>ZNRD1</i>	rs1061815	3.82E-04	1.00E-03	NA	6.56E-03
<i>GLRA1</i>	rs72801007	2.95E-05	6.94E-04	0.45	6.57E-03
<i>EFTUD1P1</i>	rs2135551	6.05E-06	2.53E-04	NA	6.57E-03
<i>TAP1</i>	rs3134940	3.59E-04	8.07E-04	NA	6.59E-03
<i>LRRC48</i>	rs4584886	6.89E-06	5.93E-04	0.59	6.62E-03
<i>RP11-73M18.9</i>	rs11623546	1.13E-05	1.60E-04	NA	6.66E-03
<i>MICB</i>	rs1051788	8.86E-06	4.79E-04	NA	6.73E-03

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>HLA-W</i>	rs1736934	1.32E-04	1.09E-03	0.09	6.98E-03
<i>ATF6B</i>	rs2736176	2.00E-05	2.17E-04	0.41	7.04E-03
<i>HIST1H1C</i>	rs9348746	2.31E-04	1.12E-03	NA	7.08E-03
<i>EP300</i>	rs9611469	1.11E-04	1.16E-03	NA	7.23E-03
<i>AGPAT1</i>	rs204994	1.49E-04	4.38E-04	0.17	7.24E-03
<i>HLA-DQA1</i>	rs2858310	4.61E-05	7.25E-04	NA	7.33E-03
<i>C2</i>	rs130065	1.06E-04	3.31E-04	NA	7.47E-03
<i>HLA-H</i>	rs2535332	1.36E-04	3.07E-04	NA	7.47E-03
<i>BTN1A1</i>	rs28551159	6.97E-04	1.22E-03	0.94	7.50E-03
<i>AGER</i>	rs73409643	9.53E-05	3.57E-04	NA	7.52E-03
<i>BTN3A1</i>	rs3208733	4.01E-05	8.03E-04	NA	7.54E-03
<i>C6orf136</i>	rs2523898	8.54E-05	8.05E-04	NA	7.54E-03
<i>NDUF2</i>	rs4583848	7.87E-05	4.87E-04	0.86	7.62E-03
<i>ZBTB42</i>	rs2223937	5.52E-05	5.00E-04	NA	7.67E-03
<i>GPANK1</i>	rs1046089	3.29E-04	9.93E-04	NA	7.71E-03
<i>PSMG3-AS1</i>	rs3778970	6.90E-05	5.22E-04	0.23	7.81E-03
<i>RP11-182J1.14</i>	rs2135551	3.29E-05	5.53E-04	NA	7.93E-03
<i>HSPA1L</i>	rs1264318	3.93E-04	9.72E-04	NA	7.97E-03
<i>ACO2</i>	rs9611488	1.44E-04	1.33E-03	NA	8.02E-03
<i>MDK</i>	rs12574918	7.11E-05	9.43E-04	NA	8.12E-03
<i>LPAR2</i>	rs8101938	5.03E-05	1.03E-03	NA	8.20E-03
<i>COL11A2</i>	rs73409626	4.51E-04	1.11E-03	NA	8.28E-03
<i>CDIPT-AS1</i>	rs4583255	8.56E-05	6.26E-04	NA	8.47E-03
<i>POC1A</i>	rs111177	2.95E-06	6.43E-04	NA	8.54E-03
<i>RP11-490G2.2</i>	rs1702294	2.53E-04	7.36E-04	0.57	8.57E-03
<i>ZNF204P</i>	rs6940638	2.16E-04	7.72E-04	NA	8.68E-03
<i>XXbac-BPG252P9.10</i>	rs3095153	3.95E-04	7.14E-04	NA	8.69E-03
<i>SLC44A4</i>	rs2233974	4.54E-04	1.10E-03	NA	8.73E-03
<i>RP1-86C11.7</i>	rs6940638	1.12E-04	4.92E-04	NA	8.75E-03
<i>CPEB1</i>	rs1145173	9.34E-05	1.12E-03	NA	8.76E-03
<i>DDX39B</i>	rs74618856	2.99E-04	1.20E-03	NA	8.97E-03
<i>LINC00634</i>	rs9611488	9.73E-05	1.09E-03	NA	9.01E-03
<i>RP5-1157M23.2</i>	rs7622851	6.38E-05	1.12E-03	NA	9.01E-03
<i>HIST1H4I</i>	rs35345226	5.01E-04	7.58E-04	0.53	9.29E-03
<i>SLCO4C1</i>	rs3114661	4.17E-06	1.22E-03	NA	9.38E-03
<i>HCG20</i>	rs2523898	2.14E-04	1.34E-03	NA	9.41E-03
<i>DPYD</i>	rs7415086	2.09E-04	8.43E-04	NA	9.47E-03
<i>C6orf25</i>	rs2736176	4.21E-04	1.45E-03	NA	9.62E-03
<i>CD2BP2</i>	rs4424923	2.07E-04	1.44E-03	NA	9.62E-03
<i>USP8P1</i>	rs1960278	6.27E-04	1.70E-03	NA	9.68E-03
<i>LINC00606</i>	rs61432137	2.57E-05	8.58E-04	NA	9.68E-03
<i>RPP21</i>	rs1629068	1.65E-04	6.01E-04	0.23	9.71E-03
<i>CTCF</i>	rs1971546	3.90E-05	1.04E-03	NA	9.84E-03

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
SAPCD1-AS1	rs3094605	1.16E-03	1.75E-03	NA	9.88E-03
MED19	rs708228	2.67E-04	1.80E-03	NA	9.90E-03
PTK2B	rs2565065	2.62E-04	1.80E-03	NA	9.90E-03
SREBF2	rs9611488	2.60E-04	1.82E-03	NA	9.90E-03
HLA-T	rs1063320	1.61E-04	1.84E-03	0.28	9.94E-03
HLA-DPB1	rs1003878	5.21E-04	1.43E-03	NA	1.01E-02
C6orf47	rs1046089	3.97E-04	1.14E-03	NA	1.02E-02
CNNM2	rs77420391	5.88E-04	1.46E-03	NA	1.02E-02
RP11-347C12.2	rs4424923	8.53E-05	8.95E-04	NA	1.03E-02
NRM	rs1737082	5.61E-04	1.94E-03	NA	1.04E-02
VPS45	rs1824850	6.22E-05	8.43E-04	NA	1.04E-02
PPT2	rs3132451	9.18E-04	1.63E-03	NA	1.06E-02
RP11-631M6.2	rs4583848	6.77E-04	1.99E-03	NA	1.06E-02
OVOL1	rs1193851	1.82E-04	2.02E-03	NA	1.07E-02
ZSCAN12P1	rs2275508	7.03E-04	2.03E-03	NA	1.07E-02
STAT2	rs324015	1.22E-04	9.79E-04	NA	1.08E-02
PPP1R18	rs9266231	5.07E-04	1.56E-03	0.97	1.09E-02
PAIP1P1	rs9262696	3.02E-05	7.80E-04	NA	1.09E-02
HCG21	rs2596473	2.85E-05	6.16E-04	NA	1.09E-02
MKLN1-AS1	rs10954343	2.17E-04	2.15E-03	NA	1.10E-02
PACSIN1	rs942496	3.08E-04	2.14E-03	NA	1.10E-02
XXbac-BPG157A10.21	rs5021453	8.54E-04	2.14E-03	NA	1.10E-02
LY6G6C	rs130079	7.49E-04	1.60E-03	NA	1.11E-02
DGKZ	rs12576115	6.62E-04	2.21E-03	NA	1.12E-02
DBF4	rs76349903	3.04E-04	2.24E-03	NA	1.12E-02
RP11-524F11.1	rs9890563	8.72E-05	2.23E-03	NA	1.12E-02
RPRD2	rs72694965	4.05E-04	2.26E-03	NA	1.12E-02
LY6E	rs7832163	1.99E-04	1.74E-03	NA	1.12E-02
C11orf49	rs12574918	4.75E-05	7.77E-04	0.06	1.13E-02
LINC00933	rs12905223	1.59E-04	1.80E-03	0.85	1.14E-02
CDIPT	rs4583255	4.39E-04	1.71E-03	NA	1.14E-02
AL049840.1	rs2368560	9.58E-05	6.71E-04	0.87	1.15E-02
AIF1	rs1264352	1.14E-03	1.92E-03	NA	1.15E-02
ZFYVE21	rs2368560	5.26E-04	1.92E-03	NA	1.15E-02
KIF26A	rs56168984	5.15E-04	1.78E-03	NA	1.16E-02
RP13-467H17.1	rs7462788	2.76E-04	1.11E-03	NA	1.16E-02
HLA-DPA1	rs5021453	9.89E-04	2.38E-03	NA	1.17E-02
DNAJB7	rs9607850	7.45E-05	1.21E-03	NA	1.18E-02
RP11-1814.10	rs284856	1.50E-04	2.07E-03	NA	1.18E-02
RP11-455F5.3	rs4583255	5.79E-04	2.04E-03	NA	1.18E-02
BTN2A1	rs3208733	2.82E-04	2.09E-03	NA	1.18E-02
ARTN	rs3001723	4.17E-04	1.78E-03	NA	1.18E-02
CTD-3051D23.4	rs10132641	5.03E-04	2.12E-03	NA	1.18E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>PRRT1</i>	rs1049709	1.27E-03	2.13E-03	NA	1.18E-02
<i>VWA7</i>	rs1041885	1.30E-03	2.17E-03	NA	1.20E-02
<i>ALMS1</i>	rs73947808	1.21E-04	1.45E-03	NA	1.20E-02
<i>DUS2</i>	rs1971546	2.07E-04	2.19E-03	NA	1.20E-02
<i>RP11-182J1.5</i>	rs12905223	1.79E-04	1.34E-03	NA	1.20E-02
<i>FKBPL</i>	rs204994	7.31E-04	1.48E-03	NA	1.20E-02
<i>BRF2</i>	rs7005874	1.16E-04	1.22E-03	NA	1.21E-02
<i>CKB</i>	rs34633710	9.78E-05	1.19E-03	0.23	1.21E-02
<i>CTD-3065B20.1</i>	rs4702	2.43E-04	1.16E-03	NA	1.21E-02
<i>HIST1H2BK</i>	rs6940638	3.87E-04	1.16E-03	NA	1.21E-02
<i>SKI</i>	rs2477686	1.52E-04	1.19E-03	NA	1.21E-02
<i>TBX6</i>	rs4788211	8.82E-05	1.20E-03	NA	1.21E-02
<i>RP1-97D16.1</i>	rs760587	8.73E-04	1.90E-03	NA	1.22E-02
<i>3-Sep</i>	rs5996096	1.55E-04	1.85E-03	0.15	1.22E-02
<i>GATAD2A</i>	rs4808203	3.11E-04	1.42E-03	NA	1.22E-02
<i>SPATS2L</i>	rs59695400	2.05E-04	1.45E-03	0.10	1.22E-02
<i>RP11-600F24.7</i>	rs4906379	2.16E-04	1.06E-03	0.64	1.23E-02
<i>ATP13A1</i>	rs880090	3.35E-04	2.55E-03	NA	1.23E-02
<i>RP13-98N21.2</i>	rs75884951	1.11E-04	1.55E-03	NA	1.23E-02
<i>HSPA1B</i>	rs1264318	4.63E-04	1.10E-03	NA	1.25E-02
<i>GLT8D1</i>	rs111177	1.82E-05	1.14E-03	NA	1.26E-02
<i>MDC1</i>	rs1633081	8.72E-04	2.65E-03	NA	1.26E-02
<i>TRIM26</i>	rs3094125	1.29E-03	2.02E-03	NA	1.27E-02
<i>GPM6A</i>	rs7673823	6.62E-04	2.69E-03	NA	1.27E-02
<i>SDCCAG8</i>	rs10803138	3.28E-04	2.06E-03	NA	1.28E-02
<i>HCG18</i>	rs1049709	6.21E-04	1.18E-03	NA	1.28E-02
<i>DEPDC1B</i>	rs4583848	7.86E-04	2.21E-03	NA	1.28E-02
<i>HCG11</i>	rs2235251	1.45E-03	2.21E-03	NA	1.28E-02
<i>HLA-DPA3</i>	rs210142	3.02E-04	2.20E-03	NA	1.28E-02
<i>GNL1</i>	rs1264352	7.53E-04	1.37E-03	NA	1.29E-02
<i>RFTN2</i>	rs12693816	2.08E-04	1.37E-03	NA	1.29E-02
<i>TMEM110</i>	rs13072536	8.07E-05	1.35E-03	NA	1.29E-02
<i>RAI1</i>	rs4584886	1.85E-04	2.22E-03	NA	1.31E-02
<i>PLCL1</i>	rs4850812	5.56E-04	2.85E-03	0.81	1.32E-02
<i>RP11-345P4.6</i>	rs10797426	7.21E-04	2.81E-03	NA	1.32E-02
<i>VPS52</i>	rs1048645	9.98E-04	2.87E-03	NA	1.32E-02
<i>DCTPP1</i>	rs4424923	4.26E-04	2.17E-03	NA	1.32E-02
<i>PAIP2</i>	rs256013	2.54E-04	2.20E-03	NA	1.32E-02
<i>GPER1</i>	rs3800882	7.41E-04	2.47E-03	0.25	1.33E-02
<i>RPL3P2</i>	rs3134900	8.69E-04	1.46E-03	NA	1.33E-02
<i>EIF5</i>	rs3212090	3.31E-04	1.30E-03	0.83	1.33E-02
<i>USMG5</i>	rs10883798	4.42E-04	1.25E-03	NA	1.33E-02
<i>PPP1R11</i>	rs112863520	9.50E-04	2.99E-03	NA	1.34E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>SEMA6C</i>	rs72694955	5.00E-04	3.00E-03	NA	1.34E-02
<i>GTF2H4</i>	rs74618856	9.08E-04	2.54E-03	NA	1.34E-02
<i>HSD17B8</i>	rs210142	4.14E-04	2.60E-03	NA	1.34E-02
<i>ALKBH5</i>	rs9907287	2.15E-04	3.06E-03	NA	1.35E-02
<i>XXbac-BPG299F13.14</i>	rs1131165	7.55E-04	2.33E-03	0.99	1.35E-02
<i>ACTR5</i>	rs4812317	1.36E-03	3.14E-03	NA	1.36E-02
<i>ALPK3</i>	rs17598603	6.91E-04	3.18E-03	0.64	1.36E-02
<i>ATP6V1G2</i>	rs9264640	1.14E-03	3.18E-03	NA	1.36E-02
<i>RP11-77H9.6</i>	rs8058276	5.77E-05	1.44E-03	0.26	1.36E-02
<i>OGFOD2</i>	rs4275659	7.49E-04	2.66E-03	NA	1.36E-02
<i>RP11-182J1.16</i>	rs2135551	3.62E-04	2.70E-03	0.83	1.36E-02
<i>RP1-257I20.14</i>	rs8135801	7.21E-04	3.25E-03	NA	1.38E-02
<i>TRIM27</i>	rs1610721	1.11E-03	2.76E-03	NA	1.38E-02
<i>RP11-182J1.1</i>	rs1051168	2.63E-04	1.84E-03	0.90	1.40E-02
<i>REEP2</i>	rs55985421	8.44E-04	3.35E-03	NA	1.40E-02
<i>C7orf50</i>	rs6950330	9.37E-04	2.59E-03	NA	1.41E-02
<i>HSPA1A</i>	rs2075800	9.60E-04	2.61E-03	NA	1.41E-02
<i>TCF4</i>	rs784255	2.17E-04	1.16E-03	NA	1.41E-02
<i>HIST2H2BF</i>	rs7555080	6.77E-04	3.43E-03	NA	1.41E-02
<i>LPXN</i>	rs708228	1.85E-04	1.48E-03	NA	1.41E-02
<i>SCAND3</i>	rs7750526	7.60E-04	1.53E-03	0.68	1.41E-02
<i>KRT8P26</i>	rs1193851	5.55E-04	3.52E-03	NA	1.42E-02
<i>TULP3</i>	rs10774033	1.65E-03	3.50E-03	NA	1.42E-02
<i>RP1-85F18.5</i>	rs9611469	7.78E-05	9.65E-04	NA	1.42E-02
<i>ZSCAN16</i>	rs1150670	3.36E-04	1.23E-03	0.45	1.43E-02
<i>CACNA1I</i>	rs1008677	4.01E-04	1.62E-03	NA	1.44E-02
<i>MARK3</i>	rs12891288	1.42E-05	6.88E-04	0.07	1.44E-02
<i>HYI</i>	rs3001723	1.71E-04	1.03E-03	NA	1.44E-02
<i>PHF5A</i>	rs6519298	6.22E-04	2.68E-03	NA	1.45E-02
<i>ASPHD1</i>	rs4424923	2.60E-04	1.64E-03	NA	1.45E-02
<i>NEK4</i>	rs11717383	7.09E-04	3.64E-03	NA	1.45E-02
<i>MAD1L1</i>	rs13227554	1.56E-03	2.97E-03	NA	1.45E-02
<i>OTUD7B</i>	rs72694965	6.39E-04	2.94E-03	NA	1.45E-02
<i>GOLGA6L9</i>	rs75884951	1.44E-04	1.75E-03	NA	1.47E-02
<i>CSDC2</i>	rs5758268	2.36E-04	1.98E-03	NA	1.50E-02
<i>CTD-2589M5.5</i>	rs61884292	4.04E-04	1.83E-03	NA	1.50E-02
<i>GPIHBP1</i>	rs7462788	6.60E-04	2.00E-03	NA	1.50E-02
<i>TNXA</i>	rs1142323	6.83E-04	1.91E-03	NA	1.50E-02
<i>CISD2</i>	rs13107325	1.37E-03	2.83E-03	NA	1.50E-02
<i>LINC00336</i>	rs210142	4.81E-04	2.82E-03	NA	1.50E-02
<i>MADD</i>	rs10838634	1.11E-03	3.82E-03	NA	1.51E-02
<i>MSL2</i>	rs7349597	1.73E-04	1.35E-03	NA	1.51E-02
<i>FSD2</i>	rs75884951	8.57E-05	1.38E-03	NA	1.52E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>FANCL</i>	rs2678915	8.91E-04	3.89E-03	NA	1.52E-02
<i>RGL2</i>	rs3129950	2.05E-03	2.95E-03	NA	1.53E-02
<i>WDR46</i>	rs5021453	1.36E-03	3.02E-03	NA	1.53E-02
<i>NOL5BP</i>	rs9468350	1.19E-03	2.00E-03	NA	1.54E-02
<i>SPDEF</i>	rs2395401	3.86E-04	1.99E-03	NA	1.54E-02
<i>SLC35G2</i>	rs7349597	3.90E-04	2.12E-03	NA	1.55E-02
<i>MRPS18B</i>	rs1610721	1.39E-03	3.26E-03	NA	1.56E-02
<i>EHMT2</i>	rs2001097	1.09E-03	1.84E-03	NA	1.56E-02
<i>hsa-mir-8072</i>	rs7304782	1.38E-03	3.15E-03	NA	1.57E-02
<i>BAP1</i>	rs6769789	9.51E-04	3.43E-03	NA	1.58E-02
<i>VPS51</i>	rs1193851	5.25E-04	3.42E-03	NA	1.58E-02
<i>FIBP</i>	rs1193851	4.67E-04	3.22E-03	NA	1.59E-02
<i>IER3</i>	rs3129984	1.17E-03	1.84E-03	NA	1.59E-02
<i>PPP1R13B</i>	rs2368560	5.45E-04	1.97E-03	NA	1.59E-02
<i>SULT1A4</i>	rs4424923	3.57E-04	1.96E-03	NA	1.59E-02
<i>AC110781.3</i>	rs872465	4.64E-04	2.48E-03	NA	1.60E-02
<i>SLK</i>	rs79237883	1.21E-03	2.50E-03	NA	1.60E-02
<i>RP5-1104E15.6</i>	rs9306336	1.77E-04	1.99E-03	NA	1.60E-02
<i>FAM65B</i>	rs34525648	1.49E-03	2.56E-03	NA	1.61E-02
<i>FXR1</i>	rs1805589	7.87E-04	2.58E-03	NA	1.61E-02
<i>SAP30L-AS1</i>	rs11740474	4.67E-04	3.01E-03	NA	1.61E-02
<i>PHF7</i>	rs13072536	2.07E-04	2.09E-03	NA	1.61E-02
<i>RP11-661D19.3</i>	rs34633710	3.04E-04	2.12E-03	NA	1.61E-02
<i>SLC25A5P1</i>	rs133347	1.23E-03	4.15E-03	NA	1.62E-02
<i>MIR137HG</i>	rs4506495	1.63E-03	3.59E-03	NA	1.62E-02
<i>VRK3</i>	rs7047	3.99E-04	1.97E-03	NA	1.62E-02
<i>AC156455.1</i>	rs883563	1.03E-03	4.19E-03	NA	1.62E-02
<i>UBE2Q2P1</i>	rs3803405	4.99E-04	4.25E-03	0.41	1.63E-02
<i>PDCD11</i>	rs284854	5.72E-04	3.10E-03	NA	1.63E-02
<i>DNAJC19</i>	rs16832165	6.36E-04	2.31E-03	NA	1.64E-02
<i>C1QTNF4</i>	rs10838634	5.05E-04	2.35E-03	NA	1.65E-02
<i>RP11-894P9.1</i>	rs11623546	2.07E-03	4.47E-03	NA	1.65E-02
<i>SEMA3G</i>	rs1029871	6.32E-04	4.45E-03	NA	1.65E-02
<i>VARS</i>	rs2596473	5.25E-04	2.73E-03	NA	1.65E-02
<i>RN7SL471P</i>	rs3131336	2.71E-03	3.40E-03	NA	1.67E-02
<i>CSNK2B</i>	rs2075800	1.10E-03	2.88E-03	NA	1.67E-02
<i>CTD-2126E3.3</i>	rs7047	7.64E-04	2.92E-03	NA	1.67E-02
<i>HIST1H2AC</i>	rs3208733	5.17E-04	2.89E-03	NA	1.67E-02
<i>ATXN7L1</i>	rs7807853	7.07E-04	3.32E-03	NA	1.68E-02
<i>DTX3</i>	rs73115999	1.87E-04	2.27E-03	NA	1.69E-02
<i>ZNF101</i>	rs880090	7.22E-04	3.83E-03	NA	1.69E-02
<i>AC093590.1</i>	rs281771	8.75E-04	2.11E-03	NA	1.70E-02
<i>APOM</i>	rs1049709	1.28E-03	2.14E-03	NA	1.70E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>ARFGAP3</i>	rs5758659	5.90E-04	2.03E-03	NA	1.70E-02
<i>C8orf86</i>	rs2016875	2.51E-04	1.87E-03	NA	1.70E-02
<i>GRAP2</i>	rs9306336	2.37E-04	2.29E-03	NA	1.70E-02
<i>HIST1H4C</i>	rs198811	4.56E-04	2.08E-03	NA	1.70E-02
<i>LTA</i>	rs2001097	1.34E-03	2.20E-03	NA	1.70E-02
<i>RP11-73M18.6</i>	rs10132641	5.71E-04	2.30E-03	NA	1.70E-02
<i>ZKSCAN4</i>	rs34130214	1.34E-03	2.19E-03	NA	1.70E-02
<i>GABBR1</i>	rs1611204	1.81E-03	3.88E-03	NA	1.70E-02
<i>HLA-DOB</i>	rs1003878	1.67E-03	3.40E-03	NA	1.70E-02
<i>POLR3H</i>	rs9611488	1.34E-03	4.68E-03	NA	1.70E-02
<i>STK19</i>	rs3132935	3.02E-03	4.69E-03	NA	1.70E-02
<i>XRCC6</i>	rs9611488	1.35E-03	4.70E-03	NA	1.70E-02
<i>ALG1L13P</i>	rs2948286	4.62E-05	2.66E-03	NA	1.72E-02
<i>DDX39B-AS1</i>	rs1265092	3.03E-04	2.45E-03	NA	1.72E-02
<i>GPR146</i>	rs56727870	1.18E-03	2.51E-03	NA	1.72E-02
<i>KNTC1</i>	rs1051434	7.12E-04	2.35E-03	NA	1.72E-02
<i>LEPRE1</i>	rs3001723	7.16E-04	2.50E-03	NA	1.72E-02
<i>NCR3</i>	rs3094605	1.73E-03	2.48E-03	NA	1.72E-02
<i>BTN2A3P</i>	rs6910549	1.89E-03	3.19E-03	NA	1.72E-02
<i>HFE</i>	rs34525648	1.88E-03	3.10E-03	NA	1.72E-02
<i>RP11-73M18.7</i>	rs3212024	3.98E-04	1.45E-03	NA	1.74E-02
<i>PNOC</i>	rs111659883	9.86E-04	3.61E-03	NA	1.74E-02
<i>ROBO3</i>	rs12283429	9.99E-04	3.70E-03	NA	1.76E-02
<i>SCGN</i>	rs9393716	2.48E-03	4.95E-03	NA	1.76E-02
<i>PPP1R16B</i>	rs12625702	7.99E-04	3.57E-03	NA	1.78E-02
<i>RNF39</i>	rs112863520	1.34E-03	3.77E-03	NA	1.78E-02
<i>CYP17A1</i>	rs17114641	6.72E-04	2.79E-03	NA	1.79E-02
<i>F2</i>	rs6485685	7.93E-04	2.82E-03	NA	1.79E-02
<i>CTB-152G17.6</i>	rs3801281	6.78E-04	2.77E-03	NA	1.79E-02
<i>PSORS1C2</i>	rs3132564	8.35E-04	2.48E-03	NA	1.79E-02
<i>NRIP2</i>	rs10774033	1.23E-03	2.81E-03	NA	1.80E-02
<i>CEP170</i>	rs14403	7.30E-04	2.83E-03	NA	1.81E-02
<i>MEI1</i>	rs9611469	5.70E-04	2.80E-03	NA	1.81E-02
<i>NAPSB</i>	rs7047	1.87E-03	5.18E-03	NA	1.81E-02
<i>NDUFA6</i>	rs5758268	1.39E-03	5.27E-03	NA	1.82E-02
<i>RP1-313I6.12</i>	rs9295759	2.62E-03	5.24E-03	NA	1.82E-02
<i>EIF4BP6</i>	rs7807853	5.72E-04	2.94E-03	NA	1.82E-02
<i>CNTN4</i>	rs9845120	5.36E-04	3.04E-03	NA	1.83E-02
<i>LRTM2</i>	rs11062157	5.50E-04	3.04E-03	NA	1.83E-02
<i>C1orf86</i>	rs10797426	8.55E-04	3.13E-03	NA	1.84E-02
<i>UQCC2</i>	rs2395401	7.76E-04	3.03E-03	0.92	1.84E-02
<i>DHFRP2</i>	rs1131165	1.54E-03	3.81E-03	NA	1.85E-02
<i>ZBTB22</i>	rs1048645	1.51E-03	3.81E-03	NA	1.85E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>HIST1H4K</i>	rs1005127	2.32E-03	4.07E-03	NA	1.85E-02
<i>SLC39A7</i>	rs2395401	1.23E-03	4.05E-03	NA	1.85E-02
<i>PABPC1P7</i>	rs13107325	3.21E-03	5.49E-03	NA	1.85E-02
<i>CYP17A1-AS1</i>	rs35525740	1.93E-03	4.11E-03	NA	1.86E-02
<i>DNAH1</i>	rs11717383	8.92E-04	4.14E-03	NA	1.86E-02
<i>RP11-350N15.4</i>	rs9198	1.74E-03	5.56E-03	NA	1.86E-02
<i>CRY2</i>	rs61882709	1.75E-03	4.19E-03	NA	1.86E-02
<i>RP11-245J9.6</i>	rs7627690	4.47E-04	2.56E-03	NA	1.88E-02
<i>TEX264</i>	rs7622851	9.12E-04	4.28E-03	NA	1.88E-02
<i>RP11-664I21.6</i>	rs12283429	1.32E-03	4.39E-03	NA	1.89E-02
<i>ALDH16A1</i>	rs7047	2.16E-03	5.71E-03	NA	1.90E-02
<i>RP11-62H7.2</i>	rs2948286	6.16E-05	2.91E-03	NA	1.90E-02
<i>OR2H5P</i>	rs1737082	1.43E-03	3.66E-03	NA	1.91E-02
<i>L3MBTL2</i>	rs5758268	6.39E-04	3.37E-03	NA	1.91E-02
<i>SNRNP35</i>	rs4148862	1.65E-03	4.50E-03	NA	1.92E-02
<i>CTD-2574D22.2</i>	rs4424923	1.36E-03	4.41E-03	NA	1.92E-02
<i>SBNO1</i>	rs7139321	1.70E-03	4.53E-03	NA	1.92E-02
<i>POM121L2</i>	rs9348746	1.86E-03	4.47E-03	NA	1.93E-02
<i>RP11-12M9.3</i>	rs12158335	1.03E-03	4.48E-03	NA	1.93E-02
<i>RP11-214K3.21</i>	rs655293	3.00E-04	1.73E-03	NA	1.93E-02
<i>THYN1</i>	rs11223651	1.53E-03	3.52E-03	NA	1.94E-02
<i>NAB2</i>	rs324015	1.06E-03	3.54E-03	NA	1.94E-02
<i>FCGRT</i>	rs57940349	9.87E-04	4.68E-03	NA	1.95E-02
<i>CLIC1</i>	rs2596473	1.99E-03	6.06E-03	NA	1.96E-02
<i>GOLGA6L3</i>	rs17600551	5.60E-04	3.42E-03	NA	1.97E-02
<i>AC005076.5</i>	rs73210240	1.38E-03	4.84E-03	NA	1.97E-02
<i>FAM63A</i>	rs72694955	1.11E-03	4.69E-03	NA	1.98E-02
<i>HLA-DPB2</i>	rs210142	1.28E-03	4.91E-03	NA	1.98E-02
<i>ZSCAN16-AS1</i>	rs34546986	3.40E-03	4.21E-03	NA	1.98E-02
<i>KCNK7</i>	rs1193851	3.41E-04	2.74E-03	NA	1.98E-02
<i>CTB-134H23.2</i>	rs4583255	1.39E-03	3.68E-03	NA	1.99E-02
<i>RP11-68I18.10</i>	rs72694955	7.50E-04	3.75E-03	NA	1.99E-02
<i>TNF</i>	rs9266797	8.32E-04	3.71E-03	NA	1.99E-02
<i>WDR82</i>	rs11235	8.97E-04	3.72E-03	NA	1.99E-02
<i>HMGNA4</i>	rs3757150	4.60E-03	6.39E-03	NA	2.00E-02
<i>TRIM35</i>	rs9331950	5.70E-04	2.83E-03	NA	2.00E-02
<i>STAT6</i>	rs324015	1.23E-03	3.91E-03	NA	2.00E-02
<i>PANX3</i>	rs12283429	1.67E-03	5.10E-03	NA	2.01E-02
<i>EXOC6B</i>	rs11903916	1.83E-03	6.46E-03	NA	2.01E-02
<i>CNTF</i>	rs708228	1.46E-03	4.86E-03	NA	2.01E-02
<i>RP11-350N15.5</i>	rs9198	9.37E-04	3.81E-03	NA	2.03E-02
<i>CTD-3065B20.3</i>	rs6227	6.64E-04	2.99E-03	NA	2.03E-02
<i>ZSCAN12</i>	rs6456825	3.74E-03	6.56E-03	NA	2.03E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>CHRM4</i>	rs11038906	2.23E-03	4.98E-03	NA	2.04E-02
<i>SCARA3</i>	rs73229093	2.02E-03	5.01E-03	NA	2.04E-02
<i>INPP5K</i>	rs12603592	9.17E-04	4.17E-03	NA	2.06E-02
<i>RP1-178F10.1</i>	rs2955367	1.92E-04	3.94E-03	NA	2.06E-02
<i>RP11-469M7.1</i>	rs796364	2.51E-03	4.50E-03	NA	2.07E-02
<i>RPL3P4</i>	rs11624408	9.09E-04	4.29E-03	NA	2.08E-02
<i>RP11-541N10.3</i>	rs7911789	2.31E-03	4.56E-03	NA	2.08E-02
<i>XPNPEP3</i>	rs9611469	1.30E-03	4.59E-03	NA	2.08E-02
<i>ADAMTS8</i>	rs4936123	7.73E-04	4.40E-03	NA	2.09E-02
<i>RP11-85F14.5</i>	rs9845788	2.22E-03	6.87E-03	NA	2.09E-02
<i>GTF3C3</i>	rs11900232	3.23E-03	6.94E-03	NA	2.09E-02
<i>NFKBIL1</i>	rs113239947	1.02E-03	4.02E-03	NA	2.10E-02
<i>RP11-47A8.5</i>	rs10430665	3.26E-03	5.43E-03	NA	2.10E-02
<i>STT3A</i>	rs12541	1.05E-03	4.14E-03	NA	2.10E-02
<i>ABHD14A</i>	rs1060330	6.55E-05	1.14E-03	NA	2.11E-02
<i>SMIM4</i>	rs7629072	1.44E-03	5.51E-03	NA	2.11E-02
<i>CTSK</i>	rs72694955	5.96E-04	3.30E-03	NA	2.12E-02
<i>SCARNA6</i>	rs6710294	2.19E-03	4.53E-03	NA	2.12E-02
<i>LST1</i>	rs3130628	3.12E-03	4.58E-03	NA	2.13E-02
<i>RORA</i>	rs11071612	8.63E-04	4.23E-03	NA	2.13E-02
<i>AC007238.1</i>	rs1518394	1.40E-03	4.83E-03	NA	2.14E-02
<i>RANP1</i>	rs2233960	2.34E-03	7.12E-03	NA	2.14E-02
<i>LINC00167</i>	rs10791098	1.74E-03	4.68E-03	NA	2.14E-02
<i>RP11-455F5.4</i>	rs4583255	3.65E-03	7.32E-03	NA	2.16E-02
<i>TRIM8</i>	rs12573474	3.12E-03	7.33E-03	NA	2.16E-02
<i>TTYH3</i>	rs1476887	4.22E-03	7.38E-03	NA	2.16E-02
<i>CTA-150C2.13</i>	rs55898159	1.47E-03	5.14E-03	NA	2.17E-02
<i>EMX1</i>	rs11903916	1.21E-03	5.08E-03	NA	2.17E-02
<i>HLA-A</i>	rs1610721	2.58E-03	5.14E-03	NA	2.17E-02
<i>MUSTN1</i>	rs11235	1.49E-03	5.06E-03	NA	2.17E-02
<i>SCARNA5</i>	rs11535	2.51E-03	4.98E-03	NA	2.17E-02
<i>PPP1R2P1</i>	rs2395401	1.52E-03	4.64E-03	NA	2.19E-02
<i>NFAM1</i>	rs5758645	2.01E-03	5.23E-03	NA	2.20E-02
<i>CTA-14H9.5</i>	rs13204572	2.61E-03	3.49E-03	NA	2.22E-02
<i>HIST2H3PS2</i>	rs7555080	1.26E-03	4.91E-03	NA	2.22E-02
<i>ZNF764</i>	rs4424923	1.61E-03	4.91E-03	NA	2.22E-02
<i>TAP2</i>	rs3129950	4.05E-03	5.37E-03	NA	2.23E-02
<i>RP11-671M22.4</i>	rs2135551	8.96E-04	4.38E-03	NA	2.23E-02
<i>RP11-365N19.2</i>	rs12891288	7.21E-04	4.53E-03	NA	2.24E-02
<i>PNMA2</i>	rs3808573	1.48E-03	5.95E-03	NA	2.24E-02
<i>RPS18</i>	rs1130126	3.05E-03	5.97E-03	NA	2.24E-02
<i>AKT3</i>	rs3006916	1.06E-03	4.96E-03	NA	2.24E-02
<i>RP11-1246C19.1</i>	rs4719431	4.67E-03	7.79E-03	NA	2.24E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>SLC43A1</i>	rs708228	3.02E-03	7.77E-03	NA	2.24E-02
<i>BAG5</i>	rs12891288	7.45E-04	4.61E-03	NA	2.26E-02
<i>LTB</i>	rs1264318	1.26E-03	2.39E-03	NA	2.26E-02
<i>EIF2B4</i>	rs12474906	9.73E-04	5.17E-03	NA	2.27E-02
<i>SOX2-OT</i>	rs1871355	1.21E-03	5.13E-03	NA	2.27E-02
<i>PRRC2A</i>	rs2736176	1.49E-03	3.50E-03	NA	2.28E-02
<i>AKT1</i>	rs2223937	2.27E-03	5.26E-03	NA	2.28E-02
<i>CTA-254O6.1</i>	rs56936192	1.37E-03	5.33E-03	NA	2.28E-02
<i>CUTA</i>	rs8084	2.19E-03	5.35E-03	NA	2.28E-02
<i>ELFN1</i>	rs6945719	2.30E-03	4.88E-03	NA	2.28E-02
<i>RP11-272L13.3</i>	rs4506495	2.44E-03	4.85E-03	NA	2.28E-02
<i>ARNT</i>	rs72694957	2.08E-03	6.04E-03	NA	2.28E-02
<i>SH2B3</i>	rs12305489	4.11E-04	2.48E-03	NA	2.29E-02
<i>C10orf95</i>	rs284856	2.44E-04	2.58E-03	NA	2.29E-02
<i>RP11-697E2.4</i>	rs4702	1.37E-03	3.62E-03	NA	2.31E-02
<i>GABARAPL3</i>	rs4932178	1.21E-03	4.77E-03	NA	2.31E-02
<i>RP11-547D24.1</i>	rs2494631	2.39E-03	6.33E-03	NA	2.32E-02
<i>ACTG2</i>	rs11903916	1.39E-03	5.51E-03	NA	2.32E-02
<i>TBC1D5</i>	rs2033379	1.46E-03	5.49E-03	NA	2.32E-02
<i>TMEM219</i>	rs4788211	1.47E-03	5.40E-03	NA	2.32E-02
<i>TMEM240</i>	rs10797426	2.04E-03	5.49E-03	NA	2.32E-02
<i>GLS2</i>	rs324017	1.74E-03	4.94E-03	NA	2.32E-02
<i>PSMG3</i>	rs4721302	1.51E-03	5.04E-03	NA	2.33E-02
<i>RP11-752G15.4</i>	rs4779046	2.79E-03	8.19E-03	NA	2.33E-02
<i>RP11-383B4.4</i>	rs2148182	1.53E-03	5.71E-03	NA	2.33E-02
<i>C10orf76</i>	rs10883798	3.35E-03	5.77E-03	NA	2.33E-02
<i>DHX16</i>	rs3131787	4.01E-03	5.81E-03	NA	2.33E-02
<i>HCG9</i>	rs1063320	1.49E-03	5.90E-03	NA	2.33E-02
<i>MUC21</i>	rs2596473	1.92E-03	5.92E-03	NA	2.33E-02
<i>RP11-839D17.3</i>	rs17602038	2.11E-03	5.74E-03	NA	2.33E-02
<i>RPL5P34</i>	rs6002597	1.92E-03	5.89E-03	NA	2.33E-02
<i>XXbac-BPG308K3.5</i>	rs34546986	4.93E-03	5.93E-03	NA	2.33E-02
<i>MIB2</i>	rs16824398	2.20E-04	1.60E-03	0.95	2.33E-02
<i>UNCX</i>	rs56727870	7.52E-04	1.78E-03	NA	2.33E-02
<i>ZNF165</i>	rs7750526	1.06E-03	1.99E-03	NA	2.33E-02
<i>ZNF322</i>	rs13217675	2.67E-04	1.68E-03	0.46	2.33E-02
<i>DUSP11</i>	rs73947808	2.89E-03	8.34E-03	NA	2.34E-02
<i>TCHP</i>	rs3026445	2.95E-03	8.35E-03	NA	2.34E-02
<i>AC136289.1</i>	rs832195	6.57E-04	2.89E-03	NA	2.35E-02
<i>CDK11A</i>	rs942820	9.38E-04	3.39E-03	NA	2.35E-02
<i>LSM2</i>	rs7195	1.19E-03	3.45E-03	NA	2.35E-02
<i>ADAMTSL4</i>	rs72694955	7.24E-04	3.68E-03	NA	2.37E-02
<i>RP11-629G13.1</i>	rs73001688	2.12E-03	6.77E-03	NA	2.37E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>C2orf69</i>	rs3769456	2.82E-03	6.83E-03	NA	2.37E-02
<i>PRR3</i>	rs3095153	7.00E-03	8.68E-03	NA	2.41E-02
<i>ANKK1</i>	rs10750025	2.68E-03	7.04E-03	NA	2.41E-02
<i>RP13-608F4.1</i>	rs4779046	3.17E-03	8.88E-03	NA	2.42E-02
<i>HLA-DRA</i>	rs3130628	4.53E-03	6.29E-03	NA	2.43E-02
<i>CDH3</i>	rs1971546	1.72E-03	6.63E-03	NA	2.44E-02
<i>NDUFA4L2</i>	rs324017	2.52E-03	6.33E-03	NA	2.45E-02
<i>MOG</i>	rs1059535	5.88E-03	9.01E-03	NA	2.45E-02
<i>SHISA8</i>	rs5758268	2.33E-03	7.19E-03	NA	2.45E-02
<i>TNXB</i>	rs7195	2.62E-03	5.96E-03	NA	2.46E-02
<i>NCAM1-AS1</i>	rs10736470	2.40E-03	6.53E-03	NA	2.47E-02
<i>CTD-3064M3.7</i>	rs11778057	5.23E-03	9.17E-03	NA	2.48E-02
<i>TTC34</i>	rs942820	2.04E-03	5.59E-03	NA	2.48E-02
<i>SIAE</i>	rs12541	3.76E-03	9.25E-03	NA	2.49E-02
<i>B3GALT4</i>	rs487835	9.20E-04	3.89E-03	NA	2.50E-02
<i>TNKS</i>	rs73191548	4.15E-04	3.92E-03	NA	2.50E-02
<i>EFTUD1</i>	rs1269134	2.32E-03	6.97E-03	NA	2.50E-02
<i>RP4-756G23.5</i>	rs1894713	3.02E-03	6.97E-03	NA	2.50E-02
<i>DRG2</i>	rs9907287	1.45E-03	7.43E-03	NA	2.50E-02
<i>RP11-153M3.1</i>	rs324017	3.17E-03	7.41E-03	NA	2.50E-02
<i>MAFK</i>	rs56727870	4.51E-03	7.18E-03	NA	2.52E-02
<i>ENKD1</i>	rs7187202	3.10E-03	9.53E-03	NA	2.53E-02
<i>RANBP10</i>	rs1971546	3.15E-03	9.50E-03	NA	2.53E-02
<i>RP11-457M11.2</i>	rs6910549	6.99E-03	9.55E-03	NA	2.53E-02
<i>ZNF696</i>	rs7833728	3.41E-03	9.53E-03	NA	2.53E-02
<i>SNX32</i>	rs1193851	2.25E-03	7.66E-03	NA	2.54E-02
<i>TKT</i>	rs1029871	1.80E-03	7.66E-03	NA	2.54E-02
<i>ZNF311</i>	rs1737082	4.00E-03	7.69E-03	NA	2.54E-02
<i>HIST1H1E</i>	rs13217675	2.61E-03	6.78E-03	NA	2.54E-02
<i>ECEL1</i>	rs6710294	4.47E-03	7.80E-03	NA	2.55E-02
<i>PTGES3P4</i>	rs35525740	4.16E-03	7.36E-03	NA	2.55E-02
<i>COQ10B</i>	rs3731570	3.70E-03	9.72E-03	NA	2.55E-02
<i>DDR1</i>	rs1265092	3.56E-03	9.84E-03	NA	2.55E-02
<i>RP3-395M20.12</i>	rs16824398	2.92E-03	7.53E-03	NA	2.57E-02
<i>XXbac-BPG252P9.9</i>	rs1264352	5.67E-03	7.57E-03	NA	2.57E-02
<i>CYB5R3</i>	rs134889	4.95E-03	9.95E-03	NA	2.57E-02
<i>C15orf40</i>	rs4779046	8.76E-04	4.12E-03	NA	2.58E-02
<i>CACNA1D</i>	rs11177	1.60E-03	7.63E-03	NA	2.58E-02
<i>RP11-168J18.6</i>	rs678	1.72E-03	7.08E-03	NA	2.59E-02
<i>RYBP</i>	rs9837383	2.12E-03	7.12E-03	NA	2.59E-02
<i>ARL6IP4</i>	rs7304782	6.35E-03	1.01E-02	NA	2.59E-02
<i>FKBP4</i>	rs1016388	3.92E-03	6.72E-03	NA	2.59E-02
<i>CROT</i>	rs73210260	2.33E-03	7.18E-03	NA	2.60E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>GLB1L3</i>	rs73034295	3.97E-03	7.25E-03	NA	2.60E-02
<i>INHBE</i>	rs324015	3.01E-03	7.09E-03	NA	2.60E-02
<i>ENO1-AS1</i>	rs301792	1.90E-03	6.78E-03	NA	2.60E-02
<i>NDUFS3</i>	rs10838634	4.98E-03	1.04E-02	NA	2.60E-02
<i>RSRC2</i>	rs10846491	4.49E-03	1.03E-02	NA	2.60E-02
<i>FGF8</i>	rs11191359	1.37E-03	4.39E-03	NA	2.60E-02
<i>MARS2</i>	rs1429417	2.45E-03	6.27E-03	NA	2.61E-02
<i>DDX55</i>	rs4275659	3.83E-03	8.04E-03	NA	2.61E-02
<i>LRRN3</i>	rs37716	4.30E-03	1.06E-02	NA	2.62E-02
<i>LSM1</i>	rs2306899	1.77E-03	6.46E-03	NA	2.63E-02
<i>RP11-527N22.2</i>	rs2016875	2.22E-03	6.62E-03	NA	2.63E-02
<i>TEKT5</i>	rs7195942	9.88E-04	6.42E-03	NA	2.63E-02
<i>RP11-512M8.3</i>	rs4148862	3.73E-03	7.93E-03	NA	2.64E-02
<i>TM6SF1</i>	rs1269134	2.82E-03	7.91E-03	NA	2.64E-02
<i>TAF5</i>	rs10883842	3.91E-03	6.98E-03	NA	2.64E-02
<i>GLYCTK-AS1</i>	rs11235	1.13E-03	4.28E-03	NA	2.64E-02
<i>CRTC3</i>	rs4702	4.45E-03	8.43E-03	NA	2.66E-02
<i>RP11-197N18.7</i>	rs655293	3.71E-03	8.45E-03	NA	2.66E-02
<i>AMBRA1</i>	rs10838634	3.48E-03	8.07E-03	NA	2.66E-02
<i>RP4-740C4.6</i>	rs942820	3.53E-03	8.10E-03	NA	2.66E-02
<i>ACP2</i>	rs12576115	4.36E-03	8.30E-03	NA	2.67E-02
<i>CTD-2145A24.3</i>	rs9907287	1.91E-03	8.60E-03	NA	2.68E-02
<i>ORC2</i>	rs3769446	2.81E-03	8.76E-03	NA	2.70E-02
<i>RILPL2</i>	rs11057238	5.10E-03	1.11E-02	NA	2.70E-02
<i>CLUH</i>	rs9893573	2.34E-03	7.70E-03	NA	2.71E-02
<i>CCDC25</i>	rs73229090	2.03E-03	5.29E-03	NA	2.71E-02
<i>OPCML</i>	rs11223651	2.59E-03	5.19E-03	NA	2.71E-02
<i>RP5-1115A15.1</i>	rs159962	1.46E-03	5.24E-03	NA	2.71E-02
<i>1-Sep</i>	rs4424923	3.68E-03	8.50E-03	NA	2.71E-02
<i>HECW2</i>	rs3731570	9.86E-04	4.36E-03	NA	2.72E-02
<i>GABPB2</i>	rs72694965	3.75E-03	8.95E-03	NA	2.72E-02
<i>RP11-390K5.6</i>	rs10838634	4.08E-03	9.01E-03	NA	2.72E-02
<i>BRINP2</i>	rs4650963	4.36E-04	2.75E-03	NA	2.73E-02
<i>DES11</i>	rs9607850	4.07E-04	2.78E-03	NA	2.73E-02
<i>MGAT3</i>	rs9306336	2.77E-03	8.68E-03	NA	2.73E-02
<i>SLC39A12-AS1</i>	rs2148182	3.05E-03	8.69E-03	NA	2.73E-02
<i>CYP11B1</i>	rs4976982	2.54E-03	4.74E-03	NA	2.74E-02
<i>HIST2H3D</i>	rs72694955	1.10E-03	4.66E-03	NA	2.74E-02
<i>RP3-375P9.2</i>	rs942496	1.20E-03	4.62E-03	NA	2.74E-02
<i>TLX2</i>	rs11903916	3.24E-03	9.17E-03	NA	2.75E-02
<i>ZBTB12</i>	rs1046089	6.11E-03	9.28E-03	NA	2.75E-02
<i>PCGF6</i>	rs10786701	4.54E-03	9.56E-03	NA	2.75E-02
<i>RPL29</i>	rs678	2.89E-03	9.54E-03	NA	2.75E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>Y_RNA</i>	rs10838634	4.45E-03	9.58E-03	NA	2.75E-02
<i>LLGL1</i>	rs9907287	8.07E-04	5.56E-03	NA	2.75E-02
<i>MMP23B</i>	rs942820	1.86E-03	5.26E-03	NA	2.75E-02
<i>SLC32A1</i>	rs2244937	1.17E-03	5.17E-03	NA	2.75E-02
<i>LFNG</i>	rs3778970	4.89E-03	8.91E-03	NA	2.75E-02
<i>NHP2L1</i>	rs5758645	3.03E-03	6.94E-03	NA	2.75E-02
<i>CERS2</i>	rs72694957	5.41E-03	1.15E-02	NA	2.76E-02
<i>FOXO3</i>	rs4945816	2.24E-03	1.15E-02	NA	2.76E-02
<i>SFXN2</i>	rs284858	3.94E-03	1.14E-02	NA	2.76E-02
<i>STMN4</i>	rs2565065	5.38E-03	1.15E-02	NA	2.76E-02
<i>FBXL15</i>	rs10883798	3.46E-03	5.94E-03	NA	2.77E-02
<i>C1orf51</i>	rs72694965	3.80E-03	9.03E-03	NA	2.77E-02
<i>C8orf31</i>	rs11778057	4.48E-03	8.14E-03	NA	2.78E-02
<i>ITIH3</i>	rs6769789	3.59E-03	8.20E-03	NA	2.78E-02
<i>PRC1</i>	rs35346340	3.10E-03	8.12E-03	NA	2.78E-02
<i>RP3-508I15.19</i>	rs9306336	2.50E-03	8.18E-03	NA	2.78E-02
<i>RP1-153G14.4</i>	rs13217675	3.07E-03	7.55E-03	NA	2.79E-02
<i>HIST1H2BE</i>	rs7771468	7.57E-04	3.43E-03	NA	2.80E-02
<i>EIF4E2</i>	rs11535	4.02E-03	7.13E-03	NA	2.81E-02
<i>NEU1</i>	rs5021453	6.37E-03	9.95E-03	NA	2.82E-02
<i>EFHD1</i>	rs6710294	5.71E-03	9.44E-03	NA	2.83E-02
<i>PBX2</i>	rs7195	5.09E-03	9.63E-03	NA	2.85E-02
<i>PTP4A3</i>	rs72687376	3.72E-03	9.65E-03	NA	2.85E-02
<i>HIST1H3D</i>	rs77006546	5.43E-03	8.71E-03	NA	2.85E-02
<i>RINT1</i>	rs6968335	5.05E-03	1.20E-02	NA	2.86E-02
<i>RANGAP1</i>	rs9607850	4.99E-03	1.20E-02	NA	2.86E-02
<i>TUBB</i>	rs3130618	6.73E-03	8.83E-03	NA	2.86E-02
<i>RP11-196G18.3</i>	rs11589922	2.79E-03	7.85E-03	NA	2.87E-02
<i>EPHX2</i>	rs73229093	6.87E-03	1.21E-02	NA	2.87E-02
<i>HIST2H2BC</i>	rs72694965	5.86E-03	1.22E-02	NA	2.87E-02
<i>RTKN</i>	rs73947808	2.48E-03	7.57E-03	NA	2.87E-02
<i>ABR</i>	rs12603592	2.83E-03	8.18E-03	NA	2.89E-02
<i>PHF1</i>	rs5021453	5.03E-03	8.24E-03	NA	2.89E-02
<i>TAPSAR1</i>	rs204994	5.85E-03	8.18E-03	NA	2.89E-02
<i>CTC-498M16.4</i>	rs62378245	5.53E-03	1.03E-02	NA	2.89E-02
<i>RAB27B</i>	rs1011339	4.13E-03	1.03E-02	NA	2.89E-02
<i>U91328.20</i>	rs34525648	5.52E-03	7.68E-03	NA	2.89E-02
<i>SMCR2</i>	rs2955365	2.01E-03	9.15E-03	NA	2.89E-02
<i>AC009061.1</i>	rs1971546	2.60E-03	8.46E-03	NA	2.89E-02
<i>RN7SKP80</i>	rs28579115	3.11E-03	8.48E-03	NA	2.89E-02
<i>RAB11FIP1</i>	rs60530611	2.96E-03	9.53E-03	NA	2.89E-02
<i>RP11-214K3.20</i>	rs7304782	5.96E-03	9.65E-03	NA	2.89E-02
<i>SBP1</i>	rs942496	4.06E-03	9.91E-03	NA	2.89E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>TRIM38</i>	rs6902389	8.08E-03	9.96E-03	NA	2.89E-02
<i>ATF4</i>	rs9306336	3.52E-03	1.01E-02	NA	2.90E-02
<i>MRPL33</i>	rs4666014	2.16E-03	1.00E-02	NA	2.90E-02
<i>TPRKB</i>	rs73947808	1.30E-03	5.14E-03	NA	2.90E-02
<i>ASPG</i>	rs10132641	3.62E-03	7.83E-03	NA	2.90E-02
<i>AC091167.3</i>	rs4702	4.14E-03	7.98E-03	NA	2.91E-02
<i>ADAM32</i>	rs2411256	3.09E-03	7.94E-03	NA	2.91E-02
<i>CDC42BPB</i>	rs34633710	3.04E-03	8.20E-03	NA	2.91E-02
<i>LY6K</i>	rs7833728	2.68E-03	8.21E-03	NA	2.91E-02
<i>HIST1H4H</i>	rs6456728	6.48E-03	8.67E-03	NA	2.91E-02
<i>BZW1</i>	rs3769446	3.76E-03	1.05E-02	NA	2.91E-02
<i>MVP</i>	rs4424923	5.06E-03	1.06E-02	NA	2.92E-02
<i>DDX43</i>	rs1548335	4.49E-03	1.08E-02	NA	2.93E-02
<i>RP11-44N22.3</i>	rs2077586	4.08E-03	1.08E-02	NA	2.93E-02
<i>WBP1L</i>	rs79237883	7.51E-03	1.08E-02	NA	2.93E-02
<i>NELFE</i>	rs9501045	1.43E-03	5.88E-03	NA	2.93E-02
<i>ENO1</i>	rs159962	3.35E-03	8.79E-03	NA	2.93E-02
<i>APOBEC3G</i>	rs55898159	4.35E-03	1.03E-02	NA	2.93E-02
<i>CGREF1</i>	rs12474906	3.64E-03	1.09E-02	NA	2.94E-02
<i>AC102953.4</i>	rs1078112	5.43E-03	1.04E-02	NA	2.94E-02
<i>CD34</i>	rs12749612	2.77E-03	1.04E-02	NA	2.94E-02
<i>FAM53C</i>	rs55985421	3.23E-03	7.91E-03	NA	2.94E-02
<i>BOLA2</i>	rs4424923	5.30E-03	1.10E-02	NA	2.94E-02
<i>RP11-499P20.2</i>	rs4748465	4.73E-03	1.07E-02	NA	2.94E-02
<i>TTI1</i>	rs208818	4.91E-03	9.97E-03	NA	2.94E-02
<i>ZFAND2A</i>	rs3778998	6.96E-03	1.27E-02	NA	2.95E-02
<i>PFDN6</i>	rs1318691	4.41E-03	1.01E-02	NA	2.96E-02
<i>TRIM39</i>	rs3129984	4.66E-03	6.12E-03	NA	2.96E-02
<i>CTD-2171N6.1</i>	rs9964176	2.90E-03	8.12E-03	NA	2.96E-02
<i>TACC1</i>	rs17435276	4.85E-04	4.21E-03	NA	2.97E-02
<i>CTA-989H11.1</i>	rs133347	3.92E-03	8.90E-03	NA	2.97E-02
<i>ESRP2</i>	rs1971546	3.96E-03	1.09E-02	NA	2.97E-02
<i>TP53TG1</i>	rs13236006	4.62E-03	1.12E-02	NA	2.98E-02
<i>TARS2</i>	rs72694965	5.14E-03	1.11E-02	NA	2.99E-02
<i>ADAMTSL3</i>	rs2135551	1.92E-03	6.77E-03	NA	3.01E-02
<i>CTD-2292P10.4</i>	rs4976982	4.24E-03	7.09E-03	NA	3.01E-02
<i>OR2B4P</i>	rs1416920	4.90E-03	7.06E-03	NA	3.01E-02
<i>PITPNA-AS1</i>	rs12603592	2.20E-03	7.00E-03	NA	3.01E-02
<i>TNNC1</i>	rs4687680	2.83E-03	6.85E-03	NA	3.01E-02
<i>GPLD1</i>	rs77006546	7.54E-03	1.14E-02	NA	3.01E-02
<i>TMEM161A</i>	rs880090	9.43E-04	4.44E-03	NA	3.02E-02
<i>HIST1H2BN</i>	rs1150670	8.67E-03	1.33E-02	NA	3.02E-02
<i>AC005841.1</i>	rs1016388	3.66E-03	6.36E-03	NA	3.02E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>TWF2</i>	rs7626551	2.67E-03	6.74E-03	NA	3.02E-02
<i>BRK1</i>	rs61432137	4.27E-03	1.13E-02	NA	3.02E-02
<i>ROBO4</i>	rs12541	4.59E-03	1.06E-02	NA	3.02E-02
<i>TBC1D28</i>	rs9907287	3.25E-03	1.15E-02	NA	3.03E-02
<i>RP11-397A16.2</i>	rs784255	5.84E-03	1.06E-02	NA	3.03E-02
<i>MOB4</i>	rs7582536	6.68E-03	1.16E-02	NA	3.04E-02
<i>KIAA1755</i>	rs6093098	9.04E-03	1.34E-02	NA	3.05E-02
<i>QPRT</i>	rs4424923	5.90E-03	1.18E-02	NA	3.05E-02
<i>SATB2-AS1</i>	rs3769456	3.84E-03	8.46E-03	NA	3.05E-02
<i>CTB-33G10.1</i>	rs57940349	4.13E-03	1.09E-02	NA	3.07E-02
<i>FURIN</i>	rs4702	6.31E-03	1.10E-02	NA	3.07E-02
<i>ARHGEF25</i>	rs73115999	1.72E-03	6.99E-03	NA	3.07E-02
<i>LPPR5</i>	rs61786697	3.25E-03	7.10E-03	NA	3.07E-02
<i>AP000662.9</i>	rs708228	6.86E-03	1.36E-02	NA	3.07E-02
<i>HCAR1</i>	rs7304782	7.88E-03	1.21E-02	NA	3.08E-02
<i>MAZ</i>	rs4788211	2.42E-03	7.30E-03	NA	3.09E-02
<i>GTF2H3</i>	rs655293	5.62E-03	1.13E-02	NA	3.09E-02
<i>RP11-390K5.1</i>	rs7476	5.27E-03	1.13E-02	NA	3.09E-02
<i>ZFP57</i>	rs3131336	9.83E-03	1.12E-02	NA	3.09E-02
<i>ANAPC7</i>	rs12305489	5.31E-03	1.18E-02	NA	3.09E-02
<i>TOB2</i>	rs5758645	3.48E-03	7.66E-03	NA	3.09E-02
<i>ORC5</i>	rs41562	6.16E-03	1.21E-02	NA	3.09E-02
<i>SEC63P1</i>	rs61786697	4.91E-03	9.56E-03	NA	3.10E-02
<i>TAPBP</i>	rs1142323	5.90E-03	9.57E-03	NA	3.10E-02
<i>JAM3</i>	rs11223651	7.85E-03	1.22E-02	NA	3.10E-02
<i>SUMO2P1</i>	rs3116856	9.49E-03	1.38E-02	NA	3.11E-02
<i>HIST1H4E</i>	rs6902389	6.93E-03	8.68E-03	NA	3.11E-02
<i>ITFG2</i>	rs2238053	5.43E-03	8.73E-03	NA	3.11E-02
<i>SH3GL3</i>	rs950169	3.88E-03	9.63E-03	NA	3.11E-02
<i>SRSF4</i>	rs1498231	6.36E-03	1.39E-02	NA	3.11E-02
<i>NDUFB3</i>	rs3769456	4.51E-03	9.47E-03	NA	3.12E-02
<i>RP11-659P15.1</i>	rs708228	4.22E-03	9.72E-03	NA	3.12E-02
<i>GPR62</i>	rs13072536	1.10E-03	4.98E-03	NA	3.12E-02
<i>RP11-243A14.1</i>	rs7195942	5.80E-04	5.00E-03	NA	3.12E-02
<i>GALNT10</i>	rs11740474	3.85E-03	1.29E-02	NA	3.13E-02
<i>HSD11B2</i>	rs1971546	5.15E-03	1.29E-02	NA	3.13E-02
<i>NKAPL</i>	rs2747054	1.05E-02	1.25E-02	NA	3.13E-02
<i>NT5DC2</i>	rs11717383	5.73E-03	1.30E-02	NA	3.13E-02
<i>SLC25A17</i>	rs9611469	5.41E-03	1.16E-02	NA	3.13E-02
<i>RP11-620J15.3</i>	rs324015	4.68E-03	9.66E-03	NA	3.13E-02
<i>PPRC1</i>	rs10786736	3.97E-03	7.93E-03	NA	3.13E-02
<i>RP11-278H7.1</i>	rs10803138	2.12E-03	6.25E-03	NA	3.14E-02
<i>RP11-677M14.3</i>	rs12541	2.07E-03	6.28E-03	NA	3.14E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>LINC00638</i>	rs4906379	5.58E-03	9.91E-03	NA	3.14E-02
<i>RP11-225H22.4</i>	rs10883842	3.14E-03	5.91E-03	NA	3.15E-02
<i>RP11-416N2.4</i>	rs10786701	2.24E-03	5.88E-03	NA	3.15E-02
<i>ATAD3A</i>	rs942820	7.69E-03	1.41E-02	NA	3.15E-02
<i>RP5-1186N24.3</i>	rs1416920	7.40E-03	1.00E-02	NA	3.15E-02
<i>NEURL</i>	rs11191356	6.08E-03	1.26E-02	NA	3.15E-02
<i>NABP2</i>	rs324017	3.57E-03	8.04E-03	NA	3.16E-02
<i>FBXW4</i>	rs11191356	6.13E-03	1.26E-02	NA	3.16E-02
<i>INF2</i>	rs2223937	6.85E-03	1.18E-02	NA	3.16E-02
<i>RXRБ</i>	rs511515	1.84E-03	6.54E-03	NA	3.16E-02
<i>CAD</i>	rs4666014	3.49E-03	1.29E-02	NA	3.18E-02
<i>RP5-998N21.4</i>	rs72694955	5.65E-03	1.29E-02	NA	3.18E-02
<i>RING1</i>	rs2001097	7.20E-03	9.30E-03	NA	3.18E-02
<i>RP11-150O12.1</i>	rs2306899	3.17E-03	9.18E-03	NA	3.18E-02
<i>HLA-E</i>	rs9266209	7.57E-03	1.20E-02	NA	3.19E-02
<i>AC068831.10</i>	rs4702	4.68E-03	8.74E-03	NA	3.19E-02
<i>KXD1</i>	rs1054930	4.27E-03	8.61E-03	NA	3.19E-02
<i>NFKB2</i>	rs284856	2.30E-03	8.27E-03	NA	3.19E-02
<i>TMED2</i>	rs1790094	4.27E-03	8.58E-03	NA	3.19E-02
<i>SRPK2</i>	rs4580973	3.73E-03	1.01E-02	NA	3.19E-02
<i>RPL41</i>	rs324015	3.63E-03	8.07E-03	NA	3.20E-02
<i>GOLGA6L4</i>	rs62021208	3.37E-03	9.74E-03	NA	3.23E-02
<i>AP001007.1</i>	rs12283429	5.02E-03	1.07E-02	NA	3.23E-02
<i>WNT5B</i>	rs1016388	5.60E-03	8.92E-03	NA	3.23E-02
<i>TCTN1</i>	rs12305489	1.49E-03	5.24E-03	NA	3.24E-02
<i>CACNA2D4</i>	rs11062157	4.34E-03	1.06E-02	NA	3.24E-02
<i>NCAM1</i>	rs4245150	5.14E-03	1.06E-02	NA	3.24E-02
<i>RP11-981G7.1</i>	rs73191548	2.96E-03	1.06E-02	NA	3.24E-02
<i>CCDC134</i>	rs6002597	2.30E-03	6.62E-03	NA	3.24E-02
<i>MAU2</i>	rs8101938	1.88E-03	6.58E-03	NA	3.24E-02
<i>TTC14</i>	rs1871355	1.85E-03	6.57E-03	NA	3.24E-02
<i>AC087163.2</i>	rs4584886	2.91E-03	1.07E-02	NA	3.24E-02
<i>DPH1</i>	rs2224770	1.27E-03	5.31E-03	NA	3.24E-02
<i>HIST1H2AG</i>	rs3757150	6.83E-03	9.01E-03	NA	3.25E-02
<i>GTPBP1</i>	rs55898159	7.57E-03	1.50E-02	NA	3.25E-02
<i>TOMM22</i>	rs9306336	6.48E-03	1.48E-02	NA	3.25E-02
<i>AC009093.1</i>	rs4788211	4.50E-03	1.09E-02	NA	3.26E-02
<i>LY6G6D</i>	rs2858310	2.45E-03	6.75E-03	NA	3.27E-02
<i>CCDC62</i>	rs1790094	9.17E-03	1.52E-02	NA	3.27E-02
<i>LINC00637</i>	rs11623546	1.02E-02	1.53E-02	NA	3.27E-02
<i>PGAP1</i>	rs1429417	4.87E-03	1.01E-02	NA	3.28E-02
<i>RP11-260M19.2</i>	rs10132641	5.69E-03	1.08E-02	NA	3.30E-02
<i>SLC45A4</i>	rs11778057	6.55E-03	1.09E-02	NA	3.30E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>ERRFI1</i>	rs302719	3.29E-03	8.79E-03	NA	3.31E-02
<i>AC007092.1</i>	rs11688767	6.17E-03	1.12E-02	NA	3.31E-02
<i>SERHL2</i>	rs1047997	5.78E-03	1.11E-02	NA	3.31E-02
<i>AC004840.9</i>	rs3800869	2.10E-03	7.33E-03	NA	3.32E-02
<i>EIF2B1</i>	rs941306	2.84E-03	7.40E-03	NA	3.32E-02
<i>RP11-981G7.6</i>	rs73191548	1.44E-03	7.21E-03	NA	3.32E-02
<i>RP1-46F2.3</i>	rs12305489	2.58E-03	7.36E-03	NA	3.32E-02
<i>CTD-2210P24.4</i>	rs7476	7.42E-03	1.44E-02	NA	3.33E-02
<i>NGEF</i>	rs6710294	9.69E-03	1.44E-02	NA	3.33E-02
<i>RPL3</i>	rs55898159	7.12E-03	1.44E-02	NA	3.33E-02
<i>ZNF826P</i>	rs880090	6.47E-03	1.44E-02	NA	3.33E-02
<i>RP1-34B20.4</i>	rs28551159	7.79E-03	9.78E-03	NA	3.34E-02
<i>VRK2</i>	rs1518394	4.11E-03	9.68E-03	NA	3.34E-02
<i>LY6D</i>	rs7462788	6.34E-03	1.05E-02	NA	3.34E-02
<i>METTL21B</i>	rs73115999	3.49E-03	1.05E-02	NA	3.34E-02
<i>ALS2CR12</i>	rs3769446	5.31E-03	1.30E-02	NA	3.34E-02
<i>TRMT61A</i>	rs11623546	8.37E-03	1.30E-02	NA	3.34E-02
<i>AP3B2</i>	rs1145173	4.59E-03	1.06E-02	NA	3.34E-02
<i>CRK</i>	rs9893573	4.42E-03	1.14E-02	NA	3.35E-02
<i>RN7SL417P</i>	rs11631921	3.61E-03	1.15E-02	NA	3.35E-02
<i>SNX8</i>	rs3800869	4.47E-03	1.16E-02	NA	3.35E-02
<i>MIR22HG</i>	rs9893573	5.99E-03	1.39E-02	NA	3.36E-02
<i>RFXANK</i>	rs2315022	6.37E-03	1.39E-02	NA	3.36E-02
<i>RP11-430H10.2</i>	rs11038864	5.85E-03	1.18E-02	NA	3.36E-02
<i>DXO</i>	rs9262696	4.66E-03	1.14E-02	NA	3.37E-02
<i>HIST1H2BG</i>	rs4711107	7.14E-03	1.08E-02	NA	3.37E-02
<i>ANKRD44</i>	rs12693816	5.99E-03	1.17E-02	NA	3.37E-02
<i>C14orf144</i>	rs35498576	3.96E-03	7.67E-03	NA	3.37E-02
<i>SEPHS2</i>	rs4583255	3.91E-03	7.70E-03	NA	3.37E-02
<i>ARRDC3</i>	rs2247870	1.33E-03	8.91E-03	NA	3.37E-02
<i>CEP57L1</i>	rs4945816	1.48E-03	9.46E-03	NA	3.38E-02
<i>VPS33A</i>	rs4553407	4.50E-03	9.37E-03	NA	3.38E-02
<i>HIST1H2BH</i>	rs34525648	1.11E-02	1.40E-02	NA	3.38E-02
<i>CENPE</i>	rs13107325	1.10E-02	1.51E-02	NA	3.38E-02
<i>RP11-102M11.1</i>	rs9845788	7.33E-03	1.50E-02	NA	3.38E-02
<i>MATR3</i>	rs55985421	5.13E-03	1.09E-02	NA	3.38E-02
<i>RP11-486F17.1</i>	rs59695400	5.97E-03	1.20E-02	NA	3.39E-02
<i>KHK</i>	rs4666014	2.63E-03	1.11E-02	NA	3.39E-02
<i>RP11-1167A19.6</i>	rs1193851	4.13E-03	1.11E-02	NA	3.39E-02
<i>ZBTB9</i>	rs1130126	6.90E-03	1.12E-02	NA	3.39E-02
<i>CDC42SE1</i>	rs72694957	2.05E-03	5.99E-03	NA	3.39E-02
<i>DDX49</i>	rs880090	1.73E-03	6.29E-03	NA	3.39E-02
<i>PPP1R10</i>	rs3094125	4.46E-03	5.92E-03	NA	3.39E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>U91328.22</i>	rs3734528	4.22E-03	5.95E-03	NA	3.39E-02
<i>DENR</i>	rs10846491	8.43E-03	1.60E-02	NA	3.40E-02
<i>CASP8</i>	rs3769446	7.47E-03	1.63E-02	NA	3.40E-02
<i>DMTF1</i>	rs76349903	8.18E-03	1.63E-02	NA	3.40E-02
<i>LINC00051</i>	rs72687376	8.15E-03	1.63E-02	NA	3.40E-02
<i>HIST1H2BJ</i>	rs6940638	1.01E-02	1.42E-02	NA	3.40E-02
<i>FAM216A</i>	rs11065628	4.77E-03	1.20E-02	NA	3.41E-02
<i>GIT2</i>	rs12305489	5.44E-03	1.20E-02	NA	3.41E-02
<i>TRPM4</i>	rs57940349	7.01E-03	1.54E-02	NA	3.42E-02
<i>ALMS1-IT1</i>	rs73947808	5.29E-03	1.23E-02	NA	3.43E-02
<i>CKAP5</i>	rs10838634	6.31E-03	1.23E-02	NA	3.43E-02
<i>LINC00533</i>	rs7764642	1.08E-02	1.23E-02	NA	3.43E-02
<i>RP11-253E3.1</i>	rs11062157	5.16E-03	1.18E-02	NA	3.44E-02
<i>ADAM9</i>	rs60530611	2.26E-03	8.15E-03	NA	3.44E-02
<i>FAM83D</i>	rs2263750	4.55E-03	8.72E-03	NA	3.44E-02
<i>METTL16</i>	rs216221	3.25E-03	8.44E-03	NA	3.44E-02
<i>NISCH</i>	rs7626551	3.47E-03	8.07E-03	NA	3.44E-02
<i>RP11-154H23.3</i>	rs7610856	2.77E-03	8.57E-03	NA	3.44E-02
<i>TUSC5</i>	rs9893573	2.93E-03	8.84E-03	NA	3.44E-02
<i>HIST2H2AC</i>	rs11589922	5.65E-03	1.25E-02	NA	3.44E-02
<i>CALHM2</i>	rs79237883	9.10E-03	1.27E-02	NA	3.44E-02
<i>CS</i>	rs324017	8.18E-03	1.46E-02	NA	3.44E-02
<i>C12orf65</i>	rs585522	8.12E-03	1.49E-02	NA	3.45E-02
<i>MICF</i>	rs1610645	9.81E-03	1.49E-02	NA	3.45E-02
<i>PRKCZ</i>	rs16824398	6.17E-03	1.26E-02	NA	3.46E-02
<i>ACRV1</i>	rs12283429	4.58E-03	9.99E-03	NA	3.46E-02
<i>AC018766.5</i>	rs7047	3.18E-03	7.43E-03	NA	3.46E-02
<i>CTB-12O2.1</i>	rs11167584	3.47E-03	8.37E-03	NA	3.46E-02
<i>PLCH2</i>	rs942820	3.87E-03	8.63E-03	NA	3.46E-02
<i>PROK2</i>	rs7610856	2.76E-03	8.57E-03	NA	3.46E-02
<i>PSMB9</i>	rs1142323	4.55E-03	7.81E-03	NA	3.46E-02
<i>RP11-264B17.4</i>	rs4583255	4.51E-03	8.56E-03	NA	3.46E-02
<i>SAPCD1</i>	rs3130281	6.05E-03	8.11E-03	NA	3.46E-02
<i>ARFGAP2</i>	rs61882709	1.03E-02	1.58E-02	NA	3.46E-02
<i>CHST1</i>	rs61882709	1.03E-02	1.58E-02	NA	3.46E-02
<i>RPL39P3</i>	rs1548335	7.89E-03	1.58E-02	NA	3.46E-02
<i>SEZ6L2</i>	rs4424923	2.47E-03	6.50E-03	NA	3.47E-02
<i>H6PD</i>	rs159962	7.49E-03	1.51E-02	NA	3.48E-02
<i>FAM65A</i>	rs1971546	5.12E-03	1.29E-02	NA	3.48E-02
<i>FZD3</i>	rs9331950	6.28E-03	1.29E-02	NA	3.48E-02
<i>GLTP</i>	rs12305489	6.10E-03	1.30E-02	NA	3.48E-02
<i>RP11-54C4.2</i>	rs72801007	5.98E-03	1.29E-02	NA	3.48E-02
<i>ATF4P4</i>	rs17602038	1.01E-02	1.72E-02	NA	3.49E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>HIST1H1D</i>	rs47111107	4.01E-03	6.78E-03	NA	3.50E-02
<i>TGM2</i>	rs12625702	2.36E-03	6.89E-03	NA	3.50E-02
<i>RP11-586K2.1</i>	rs10955542	7.86E-03	1.61E-02	NA	3.50E-02
<i>SPCS1</i>	rs34017441	4.23E-03	1.29E-02	NA	3.50E-02
<i>MEN1</i>	rs1193851	4.85E-03	1.23E-02	NA	3.50E-02
<i>RNU1-60P</i>	rs35065479	5.23E-03	1.73E-02	NA	3.50E-02
<i>LRRC25</i>	rs8101938	5.75E-03	1.33E-02	NA	3.51E-02
<i>RP11-261C10.7</i>	rs3006916	6.15E-03	1.43E-02	NA	3.51E-02
<i>B3GNT4</i>	rs7957096	7.15E-03	1.24E-02	NA	3.52E-02
<i>TMEM183AP1</i>	rs1633081	7.98E-03	1.31E-02	NA	3.53E-02
<i>AL512428.1</i>	rs7771468	8.57E-03	1.63E-02	NA	3.54E-02
<i>DGKI</i>	rs1647181	8.69E-03	1.58E-02	NA	3.54E-02
<i>RP11-58A17.3</i>	rs324017	9.09E-03	1.58E-02	NA	3.54E-02
<i>SUGP1</i>	rs747050	1.00E-02	1.63E-02	NA	3.54E-02
<i>UQCRFS1P1</i>	rs5757754	8.31E-03	1.59E-02	NA	3.54E-02
<i>SLC35E2</i>	rs2494635	2.54E-03	7.12E-03	NA	3.54E-02
<i>CTD-3064M3.4</i>	rs72687376	4.64E-03	1.12E-02	NA	3.55E-02
<i>SERHL</i>	rs12158335	4.51E-03	1.11E-02	NA	3.55E-02
<i>ARHGAP40</i>	rs4812320	8.17E-03	1.36E-02	NA	3.55E-02
<i>HIST1H2AE</i>	rs28360595	1.07E-02	1.35E-02	NA	3.55E-02
<i>MCFD2P1</i>	rs9301	8.94E-03	1.33E-02	NA	3.55E-02
<i>MMP23A</i>	rs16824398	6.64E-03	1.32E-02	NA	3.55E-02
<i>RP11-430H10.4</i>	rs61882709	7.71E-03	1.26E-02	NA	3.55E-02
<i>RP11-752G15.6</i>	rs1269134	6.49E-03	1.37E-02	NA	3.55E-02
<i>SEPHS1P6</i>	rs11688168	9.20E-03	1.36E-02	NA	3.55E-02
<i>PPP4C</i>	rs4583255	8.08E-03	1.33E-02	NA	3.55E-02
<i>GNBP1</i>	rs210142	3.65E-03	9.43E-03	NA	3.55E-02
<i>RP5-1042K10.13</i>	rs9611488	3.96E-03	9.41E-03	NA	3.55E-02
<i>CCDC68</i>	rs72936313	8.22E-03	1.37E-02	NA	3.55E-02
<i>EHD1</i>	rs1193851	5.72E-03	1.37E-02	NA	3.55E-02
<i>YJEFN3</i>	rs880090	5.97E-03	1.36E-02	NA	3.55E-02
<i>RP11-338N10.2</i>	rs159962	5.93E-03	1.29E-02	NA	3.55E-02
<i>MRPS23</i>	rs35065479	1.61E-03	9.55E-03	NA	3.55E-02
<i>PTPMT1</i>	rs10838634	5.88E-03	1.17E-02	NA	3.56E-02
<i>TXNL1</i>	rs72936329	6.13E-03	1.13E-02	NA	3.56E-02
<i>RP11-159D12.2</i>	rs35065479	3.92E-03	1.49E-02	NA	3.56E-02
<i>FLCN</i>	rs9890563	6.66E-03	1.77E-02	NA	3.57E-02
<i>KLC1</i>	rs3212090	8.21E-03	1.31E-02	NA	3.57E-02
<i>SLC45A1</i>	rs159962	6.11E-03	1.31E-02	NA	3.58E-02
<i>HIST1H2AK</i>	rs2275508	1.18E-02	1.71E-02	NA	3.58E-02
<i>4-Sep</i>	rs35065479	3.48E-03	1.40E-02	NA	3.58E-02
<i>RASAL2-AS1</i>	rs4650963	4.76E-03	1.14E-02	NA	3.59E-02
<i>NCK1</i>	rs9845788	9.59E-03	1.81E-02	NA	3.59E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>FGFR1</i>	rs16887244	7.93E-03	1.82E-02	NA	3.60E-02
<i>CCDC15</i>	rs36053597	6.56E-03	1.34E-02	NA	3.61E-02
<i>HIST1H3H</i>	rs13217675	7.71E-03	1.44E-02	NA	3.62E-02
<i>ATXN7</i>	rs13272	1.04E-02	1.84E-02	NA	3.62E-02
<i>HIST1H1PS1</i>	rs3208733	9.98E-03	1.85E-02	NA	3.62E-02
<i>TRIM26BP</i>	rs887465	1.48E-02	1.85E-02	NA	3.62E-02
<i>STAR</i>	rs60530611	6.36E-03	1.53E-02	NA	3.63E-02
<i>HIST1H2BD</i>	rs34525648	1.23E-02	1.54E-02	NA	3.63E-02
<i>RASD1</i>	rs9907287	2.28E-03	9.43E-03	NA	3.64E-02
<i>NUDT1</i>	rs1476887	1.35E-02	1.88E-02	NA	3.64E-02
<i>ATAD3B</i>	rs942820	5.99E-03	1.18E-02	NA	3.65E-02
<i>TLR9</i>	rs11717383	5.02E-03	1.19E-02	NA	3.65E-02
<i>C19orf73</i>	rs57940349	7.09E-03	1.55E-02	NA	3.65E-02
<i>MIEF1</i>	rs9306336	7.16E-03	1.58E-02	NA	3.65E-02
<i>RP11-282O18.7</i>	rs10846491	8.18E-03	1.57E-02	NA	3.65E-02
<i>IP6K3</i>	rs487835	9.28E-03	1.74E-02	NA	3.65E-02
<i>ADRA1A</i>	rs9331950	8.48E-03	1.60E-02	NA	3.66E-02
<i>FAM13B</i>	rs188731	5.34E-03	1.25E-02	NA	3.66E-02
<i>LINC01023</i>	rs4388249	3.90E-03	1.25E-02	NA	3.66E-02
<i>TMEM52</i>	rs942820	6.56E-03	1.26E-02	NA	3.66E-02
<i>CALHM1</i>	rs79237883	1.08E-02	1.46E-02	NA	3.66E-02
<i>POLR3G</i>	rs2247870	3.38E-03	1.40E-02	NA	3.67E-02
<i>NUBP1</i>	rs7196708	8.66E-03	1.91E-02	NA	3.67E-02
<i>CNOT8</i>	rs11740474	4.99E-03	1.49E-02	NA	3.67E-02
<i>FOXM1</i>	rs11062170	1.12E-02	1.48E-02	NA	3.67E-02
<i>RP11-977G19.11</i>	rs324015	7.82E-03	1.40E-02	NA	3.68E-02
<i>KIFC1</i>	rs511515	6.33E-03	1.42E-02	NA	3.68E-02
<i>STAG1</i>	rs7349597	7.42E-03	1.41E-02	NA	3.68E-02
<i>RP11-381K20.5</i>	rs187653	7.47E-03	1.53E-02	NA	3.68E-02
<i>AC145123.2</i>	rs7462788	1.23E-02	1.78E-02	NA	3.69E-02
<i>APLP2</i>	rs62621284	6.64E-03	1.80E-02	NA	3.69E-02
<i>EGFL8</i>	rs1265754	1.56E-02	1.80E-02	NA	3.69E-02
<i>RP11-54A4.2</i>	rs72694955	9.26E-03	1.80E-02	NA	3.69E-02
<i>ZFP41</i>	rs7832163	9.52E-03	1.79E-02	NA	3.69E-02
<i>UBE2D3</i>	rs13107325	8.98E-03	1.27E-02	NA	3.69E-02
<i>RP11-736N17.4</i>	rs10132641	4.90E-03	9.74E-03	NA	3.69E-02
<i>SPA17</i>	rs12283429	8.48E-03	1.55E-02	NA	3.70E-02
<i>IMMP2L</i>	rs37716	4.31E-03	1.06E-02	NA	3.70E-02
<i>KCTD18</i>	rs3769446	3.64E-03	1.03E-02	NA	3.70E-02
<i>KRTCAP3</i>	rs4666014	2.41E-03	1.06E-02	NA	3.70E-02
<i>VPS37B</i>	rs4148862	5.40E-03	1.03E-02	NA	3.70E-02
<i>HNRNPA1P35</i>	rs3769446	5.40E-03	1.32E-02	NA	3.71E-02
<i>KRT17P2</i>	rs9890563	4.06E-03	1.33E-02	NA	3.71E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>CTC-228N24.3</i>	rs2764766	4.31E-03	1.67E-02	NA	3.71E-02
<i>GMIP</i>	rs880090	8.11E-03	1.67E-02	NA	3.71E-02
<i>B3GAT1</i>	rs73034295	1.39E-02	1.95E-02	NA	3.73E-02
<i>BOLA1</i>	rs72694955	1.05E-02	1.96E-02	NA	3.73E-02
<i>HCP5</i>	rs1046089	5.09E-03	8.00E-03	NA	3.73E-02
<i>KCNJ13</i>	rs6710294	1.32E-02	1.85E-02	NA	3.73E-02
<i>RP1-283E3.4</i>	rs2477686	1.13E-02	1.88E-02	NA	3.74E-02
<i>SGOL2</i>	rs59695400	1.11E-02	1.88E-02	NA	3.74E-02
<i>ALDH5A1</i>	rs77006546	1.06E-02	1.50E-02	NA	3.74E-02
<i>ACTR1A</i>	rs7911789	1.01E-02	1.46E-02	NA	3.74E-02
<i>CNPY2</i>	rs324015	8.89E-03	1.54E-02	NA	3.74E-02
<i>EMC10</i>	rs57940349	6.97E-03	1.54E-02	NA	3.74E-02
<i>RP11-706C16.7</i>	rs7832163	7.43E-03	1.51E-02	NA	3.74E-02
<i>ZBTB39</i>	rs324015	8.85E-03	1.54E-02	NA	3.74E-02
<i>LRP4</i>	rs6485685	1.27E-02	1.99E-02	NA	3.74E-02
<i>RP11-665N17.4</i>	rs1193851	1.01E-02	1.99E-02	NA	3.74E-02
<i>ABHD14B</i>	rs13072536	7.50E-03	1.62E-02	NA	3.75E-02
<i>ITGAL</i>	rs4788211	8.09E-03	1.62E-02	NA	3.75E-02
<i>RP5-892K4.1</i>	rs2494635	8.51E-03	1.61E-02	NA	3.75E-02
<i>TMEM218</i>	rs12541	8.52E-03	1.62E-02	NA	3.75E-02
<i>C12orf76</i>	rs12305489	9.00E-03	1.71E-02	NA	3.76E-02
<i>HIST1H2BC</i>	rs3208733	7.32E-03	1.49E-02	NA	3.76E-02
<i>SPN</i>	rs4788211	1.10E-02	2.01E-02	NA	3.76E-02
<i>CAPRIN2</i>	rs302317	5.48E-03	1.71E-02	NA	3.76E-02
<i>RP11-770G2.2</i>	rs1193851	8.12E-03	1.72E-02	NA	3.77E-02
<i>GLI4</i>	rs7832163	3.43E-03	8.99E-03	NA	3.77E-02
<i>AC018766.6</i>	rs7047	7.54E-03	1.37E-02	NA	3.78E-02
<i>MRPL44</i>	rs3768886	1.08E-02	2.03E-02	NA	3.78E-02
<i>CTRL</i>	rs1971546	9.35E-03	1.91E-02	NA	3.78E-02
<i>XXbac-BPG308J9.3</i>	rs1611209	1.37E-02	1.82E-02	NA	3.79E-02
<i>PODXL</i>	rs10954343	8.55E-03	1.77E-02	NA	3.79E-02
<i>EPC2</i>	rs76355118	4.79E-03	1.49E-02	NA	3.80E-02
<i>SLC35E2B</i>	rs2494635	7.96E-03	1.54E-02	NA	3.80E-02
<i>SYBU</i>	rs7007361	1.35E-02	2.05E-02	NA	3.80E-02
<i>TNFAIP2</i>	rs12880077	8.26E-03	1.78E-02	NA	3.80E-02
<i>THEM6</i>	rs7462788	1.00E-02	1.50E-02	NA	3.81E-02
<i>ARMC6</i>	rs880090	7.58E-03	1.60E-02	NA	3.82E-02
<i>C2orf47</i>	rs4270295	9.48E-03	1.61E-02	NA	3.82E-02
<i>MIEF2</i>	rs11078410	5.18E-03	1.60E-02	NA	3.82E-02
<i>RP11-403I13.7</i>	rs72694955	7.60E-03	1.57E-02	NA	3.82E-02
<i>RP11-982M15.8</i>	rs2368560	1.02E-02	1.59E-02	NA	3.82E-02
<i>SUFU</i>	rs284854	5.85E-03	1.55E-02	NA	3.82E-02
<i>TLCD2</i>	rs9893573	7.44E-03	1.60E-02	NA	3.82E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>TTLL1</i>	rs6002598	7.34E-03	1.61E-02	NA	3.82E-02
<i>ZBTB18</i>	rs884328	9.30E-03	1.79E-02	NA	3.82E-02
<i>FBXL19</i>	rs4424923	5.91E-03	1.18E-02	NA	3.82E-02
<i>PTGES3</i>	rs324017	5.74E-03	1.13E-02	NA	3.82E-02
<i>TEF</i>	rs134869	6.93E-03	1.19E-02	NA	3.82E-02
<i>EXOC3L4</i>	rs11623546	1.37E-02	1.94E-02	NA	3.83E-02
<i>RP11-251G23.5</i>	rs4730072	6.24E-03	1.22E-02	NA	3.83E-02
<i>CCDC155</i>	rs7047	8.33E-03	1.48E-02	NA	3.84E-02
<i>LDB1</i>	rs11191356	7.35E-03	1.43E-02	NA	3.84E-02
<i>RP11-260M19.1</i>	rs10132641	8.55E-03	1.47E-02	NA	3.84E-02
<i>ZNF768</i>	rs4788211	7.01E-03	1.47E-02	NA	3.84E-02
<i>CTD-3074O7.12</i>	rs1193851	4.93E-03	1.24E-02	NA	3.85E-02
<i>PRDM16</i>	rs2494635	4.60E-03	1.05E-02	NA	3.85E-02
<i>SNX15</i>	rs1193851	9.89E-03	1.97E-02	NA	3.85E-02
<i>B4GALNT1</i>	rs324015	5.56E-03	1.09E-02	NA	3.86E-02
<i>CCS</i>	rs1193851	4.03E-03	1.09E-02	NA	3.86E-02
<i>OSTM1</i>	rs4945816	2.03E-03	1.10E-02	NA	3.86E-02
<i>ATP6V1E1P1</i>	rs3001723	1.01E-02	1.63E-02	NA	3.86E-02
<i>GIGYF2</i>	rs709937	1.15E-02	1.65E-02	NA	3.86E-02
<i>LETM2</i>	rs17435276	6.32E-03	1.65E-02	NA	3.86E-02
<i>TCF20</i>	rs28579115	8.56E-03	1.67E-02	NA	3.86E-02
<i>FAM72C</i>	rs12124898	1.07E-02	1.99E-02	NA	3.87E-02
<i>IZUMO1</i>	rs7047	1.24E-02	1.99E-02	NA	3.87E-02
<i>PBK</i>	rs111659883	1.21E-02	2.00E-02	NA	3.87E-02
<i>C6orf62</i>	rs77006546	1.38E-02	1.88E-02	NA	3.87E-02
<i>FOXP1</i>	rs9837383	8.51E-03	1.73E-02	NA	3.87E-02
<i>GPR124</i>	rs60530611	7.82E-03	1.74E-02	NA	3.87E-02
<i>IPO11</i>	rs10041978	1.15E-02	1.71E-02	NA	3.87E-02
<i>RNF43</i>	rs35065479	5.25E-03	1.74E-02	NA	3.87E-02
<i>RP1-140A9.1</i>	rs16824398	9.83E-03	1.75E-02	NA	3.87E-02
<i>FUT1</i>	rs57940349	1.07E-02	2.05E-02	NA	3.87E-02
<i>PACS1</i>	rs1193851	1.06E-02	2.06E-02	NA	3.87E-02
<i>SYPL1</i>	rs2057884	1.31E-02	2.07E-02	NA	3.87E-02
<i>ZNF48</i>	rs4424923	1.26E-02	2.06E-02	NA	3.87E-02
<i>VPS33B</i>	rs4702	1.44E-02	2.10E-02	NA	3.88E-02
<i>APOBEC3F</i>	rs9306336	6.77E-03	1.53E-02	NA	3.88E-02
<i>AP000708.1</i>	rs12541	1.06E-02	1.89E-02	NA	3.88E-02
<i>TM2D2</i>	rs2016875	9.52E-03	1.76E-02	NA	3.88E-02
<i>RP11-426C22.5</i>	rs4424923	1.31E-02	2.12E-02	NA	3.89E-02
<i>AMZ1</i>	rs10950456	1.20E-02	1.73E-02	NA	3.89E-02
<i>METTL1</i>	rs324015	1.35E-02	2.11E-02	NA	3.90E-02
<i>RP11-231C14.3</i>	rs4424923	4.42E-03	9.64E-03	NA	3.90E-02
<i>C10orf112</i>	rs2148182	8.99E-03	1.77E-02	NA	3.91E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>MEF2BNB</i>	rs4808203	1.14E-02	1.76E-02	NA	3.91E-02
<i>TNFRSF14</i>	rs16824398	9.95E-03	1.77E-02	NA	3.91E-02
<i>CCDC142</i>	rs11903916	9.75E-03	1.89E-02	NA	3.91E-02
<i>NXPH4</i>	rs73115999	6.62E-03	1.57E-02	NA	3.91E-02
<i>STAB1</i>	rs7629072	1.19E-02	2.16E-02	NA	3.91E-02
<i>CDC42P3</i>	rs7833728	7.93E-03	1.65E-02	NA	3.92E-02
<i>AL589739.1</i>	rs16824398	1.11E-02	1.91E-02	NA	3.93E-02
<i>AC005009.2</i>	rs73210240	7.66E-03	1.50E-02	NA	3.93E-02
<i>CBY1</i>	rs55898159	6.29E-03	1.32E-02	NA	3.93E-02
<i>FLII</i>	rs6826	4.97E-03	1.45E-02	NA	3.93E-02
<i>FUT2</i>	rs57940349	5.91E-03	1.38E-02	NA	3.93E-02
<i>KMT2E-AS1</i>	rs4580973	6.40E-03	1.44E-02	NA	3.93E-02
<i>PRSS56</i>	rs2675956	9.55E-03	1.41E-02	NA	3.93E-02
<i>LRP4-AS1</i>	rs7476	7.96E-03	1.52E-02	NA	3.93E-02
<i>ZNF286B</i>	rs9890563	7.74E-03	1.94E-02	NA	3.94E-02
<i>RP11-17G12.3</i>	rs11038864	1.33E-02	2.15E-02	NA	3.94E-02
<i>CHADL</i>	rs5758659	1.55E-02	2.21E-02	NA	3.94E-02
<i>AKAP13</i>	rs12905223	5.73E-03	1.34E-02	NA	3.95E-02
<i>AC074091.13</i>	rs4666014	2.89E-03	1.17E-02	NA	3.95E-02
<i>COPE</i>	rs1054930	6.34E-03	1.15E-02	NA	3.95E-02
<i>DPCR1</i>	rs2596473	5.33E-03	1.16E-02	NA	3.95E-02
<i>BAZ2A</i>	rs73115999	7.17E-03	1.65E-02	NA	3.95E-02
<i>NTM</i>	rs73024809	5.90E-03	1.64E-02	NA	3.95E-02
<i>OR2H2</i>	rs3116856	1.15E-02	1.62E-02	NA	3.95E-02
<i>RP11-367G6.3</i>	rs6910549	1.28E-02	1.61E-02	NA	3.95E-02
<i>GCKR</i>	rs4666014	3.85E-03	1.36E-02	NA	3.95E-02
<i>RP11-297M9.1</i>	rs9926303	5.51E-03	1.36E-02	NA	3.95E-02
<i>ZNF804A</i>	rs62176172	8.14E-03	1.66E-02	NA	3.95E-02
<i>AP003039.3</i>	rs10894268	1.19E-02	1.95E-02	NA	3.96E-02
<i>GRM2</i>	rs1060330	9.38E-03	1.84E-02	NA	3.96E-02
<i>RP11-214K3.19</i>	rs4148862	1.15E-02	1.82E-02	NA	3.96E-02
<i>RP1-92O14.3</i>	rs3001723	1.17E-02	1.82E-02	NA	3.96E-02
<i>BIK</i>	rs134891	1.13E-02	1.84E-02	NA	3.96E-02
<i>SAP30L</i>	rs7727515	9.47E-03	1.83E-02	NA	3.96E-02
<i>C1orf100</i>	rs12751210	5.81E-03	1.37E-02	NA	3.96E-02
<i>COL17A1</i>	rs10883842	1.43E-02	1.97E-02	NA	3.96E-02
<i>AC018766.4</i>	rs7047	1.12E-02	1.84E-02	NA	3.97E-02
<i>RP11-269F20.1</i>	rs1058305	9.06E-03	1.70E-02	NA	3.98E-02
<i>ZNF664</i>	rs655293	8.62E-03	1.54E-02	NA	3.98E-02
<i>SYNGR1</i>	rs5757754	1.12E-02	1.98E-02	NA	3.98E-02
<i>PSMB8</i>	rs1003878	1.31E-02	1.77E-02	NA	3.98E-02
<i>ADAMTS15</i>	rs10894268	1.22E-02	1.99E-02	NA	3.98E-02
<i>USP28</i>	rs4245150	7.59E-03	1.40E-02	NA	3.98E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>ETF1</i>	rs55985421	9.80E-03	1.73E-02	NA	3.98E-02
<i>RRP7B</i>	rs2143139	1.02E-02	1.70E-02	NA	3.99E-02
<i>AC068831.3</i>	rs4932178	8.02E-03	1.60E-02	NA	4.01E-02
<i>CARD11</i>	rs11768637	1.11E-02	2.01E-02	NA	4.01E-02
<i>PSMB10</i>	rs1971546	1.15E-02	2.20E-02	NA	4.01E-02
<i>CREB3L1</i>	rs12574918	5.66E-03	1.21E-02	NA	4.01E-02
<i>MMP16</i>	rs10955542	5.08E-03	1.20E-02	NA	4.01E-02
<i>SREBF1</i>	rs9907287	3.58E-03	1.21E-02	NA	4.01E-02
<i>DRD2</i>	rs10736470	9.12E-03	1.64E-02	NA	4.01E-02
<i>MRPS21</i>	rs11589922	9.66E-03	1.81E-02	NA	4.01E-02
<i>LHFPL3</i>	rs4580973	1.06E-02	2.02E-02	NA	4.01E-02
<i>RP1-37N7.3</i>	rs4584886	7.56E-03	1.87E-02	NA	4.01E-02
<i>TBC1D17</i>	rs57940349	1.24E-02	2.27E-02	NA	4.03E-02
<i>FAM180B</i>	rs10838634	1.41E-02	2.22E-02	NA	4.03E-02
<i>SOX2</i>	rs1805589	1.15E-02	1.77E-02	NA	4.04E-02
<i>HCG25</i>	rs3130340	7.90E-03	1.09E-02	NA	4.04E-02
<i>POLD1</i>	rs7047	5.35E-03	1.07E-02	NA	4.04E-02
<i>SHMT1</i>	rs9907287	3.03E-03	1.10E-02	NA	4.04E-02
<i>NFATC3</i>	rs1971546	1.23E-02	2.30E-02	NA	4.04E-02
<i>SCG2</i>	rs3768886	1.29E-02	2.30E-02	NA	4.04E-02
<i>RP11-17G12.2</i>	rs12272795	1.53E-02	2.24E-02	NA	4.05E-02
<i>ABT1</i>	rs9348746	1.18E-02	1.78E-02	NA	4.05E-02
<i>TAOK2</i>	rs4583255	1.21E-02	1.83E-02	NA	4.05E-02
<i>TRAF3</i>	rs35498576	1.22E-02	1.82E-02	NA	4.05E-02
<i>ZNF395</i>	rs9331950	9.96E-03	1.79E-02	NA	4.05E-02
<i>BDH2</i>	rs13107325	1.82E-02	2.31E-02	NA	4.05E-02
<i>COQ10A</i>	rs324017	1.18E-02	1.92E-02	NA	4.05E-02
<i>RP11-426C22.4</i>	rs4788211	1.03E-02	1.92E-02	NA	4.05E-02
<i>ABCB1</i>	rs76349903	6.99E-03	1.47E-02	NA	4.05E-02
<i>PANK4</i>	rs2494631	8.06E-03	1.47E-02	NA	4.05E-02
<i>C1orf222</i>	rs2494635	1.01E-02	1.82E-02	NA	4.06E-02
<i>PART1</i>	rs4604142	1.20E-02	1.72E-02	NA	4.07E-02
<i>RP3-395M20.8</i>	rs16824398	9.65E-03	1.73E-02	NA	4.07E-02
<i>CTD-2373J6.1</i>	rs6891794	1.20E-02	1.85E-02	NA	4.07E-02
<i>LINC01004</i>	rs2299319	1.53E-02	2.33E-02	NA	4.07E-02
<i>AL022476.2</i>	rs2071711	1.39E-02	2.29E-02	NA	4.08E-02
<i>CTC-467M3.3</i>	rs62378245	1.56E-02	2.29E-02	NA	4.08E-02
<i>NDUFA13</i>	rs880090	1.12E-02	2.10E-02	NA	4.08E-02
<i>G3BP1</i>	rs17454953	9.93E-03	1.91E-02	NA	4.08E-02
<i>RP3-508I15.22</i>	rs55898159	1.08E-02	1.94E-02	NA	4.08E-02
<i>OR2H1</i>	rs1063320	8.55E-03	1.76E-02	NA	4.08E-02
<i>RP11-258F1.1</i>	rs11078410	6.37E-03	1.80E-02	NA	4.08E-02
<i>MYH14</i>	rs57940349	9.34E-03	1.87E-02	NA	4.08E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>RNF5P1</i>	rs2016875	1.42E-02	2.35E-02	NA	4.09E-02
<i>JAGN1</i>	rs61432137	1.10E-02	2.12E-02	NA	4.09E-02
<i>PYGM</i>	rs1193851	1.24E-02	2.30E-02	NA	4.09E-02
<i>RP3-395M20.9</i>	rs2494635	5.94E-03	1.25E-02	NA	4.10E-02
<i>AC005197.2</i>	rs880090	1.11E-02	2.08E-02	NA	4.11E-02
<i>SLX1A</i>	rs4424923	1.15E-02	1.92E-02	NA	4.11E-02
<i>MATN1-AS1</i>	rs1498231	1.14E-02	2.08E-02	NA	4.11E-02
<i>C1orf233</i>	rs2477686	1.18E-02	1.95E-02	NA	4.11E-02
<i>PRRT3-AS1</i>	rs61432137	9.96E-03	1.98E-02	NA	4.11E-02
<i>NUDT3</i>	rs210142	1.07E-02	1.96E-02	NA	4.12E-02
<i>MAN2A2</i>	rs4702	1.45E-02	2.10E-02	NA	4.12E-02
<i>ARHGAP9</i>	rs324017	6.03E-03	1.17E-02	NA	4.12E-02
<i>XXbac-BPG308K3.6</i>	rs3131336	1.73E-02	1.90E-02	NA	4.13E-02
<i>RER1</i>	rs942820	1.24E-02	2.01E-02	NA	4.13E-02
<i>CD37</i>	rs57940349	5.27E-03	1.28E-02	NA	4.14E-02
<i>CALML6</i>	rs10797426	6.29E-03	1.20E-02	NA	4.14E-02
<i>RP1-265C24.8</i>	rs7750526	2.04E-02	2.44E-02	NA	4.15E-02
<i>LRRC36</i>	rs1971546	4.81E-03	1.23E-02	NA	4.16E-02
<i>NOLC1</i>	rs7911789	1.88E-02	2.46E-02	NA	4.16E-02
<i>AC005932.1</i>	rs880090	1.09E-02	2.05E-02	NA	4.16E-02
<i>ALDOA</i>	rs4583255	1.25E-02	1.87E-02	NA	4.16E-02
<i>CTA-223H9.9</i>	rs5758527	1.07E-02	1.87E-02	NA	4.16E-02
<i>ST13</i>	rs9611469	1.05E-02	1.86E-02	NA	4.16E-02
<i>HCG15</i>	rs1063320	1.16E-02	2.16E-02	NA	4.17E-02
<i>DGUOK</i>	rs73947808	1.19E-02	2.15E-02	NA	4.17E-02
<i>MRPL11</i>	rs1193851	1.38E-02	2.48E-02	NA	4.17E-02
<i>NR1H2</i>	rs7047	1.64E-02	2.48E-02	NA	4.17E-02
<i>KCTD13</i>	rs4424923	6.73E-03	1.30E-02	NA	4.18E-02
<i>RP11-45M22.3</i>	rs6826	8.31E-03	1.98E-02	NA	4.18E-02
<i>RRP7A</i>	rs5758645	1.27E-02	1.99E-02	NA	4.18E-02
<i>AL358813.2</i>	rs11589922	7.95E-03	1.58E-02	NA	4.19E-02
<i>BPI</i>	rs6093098	1.93E-02	2.52E-02	NA	4.19E-02
<i>RP11-314A5.3</i>	rs11717383	1.49E-02	2.52E-02	NA	4.19E-02
<i>TCTN2</i>	rs655293	1.63E-02	2.49E-02	NA	4.19E-02
<i>AC122129.1</i>	rs2955365	1.20E-02	2.56E-02	NA	4.19E-02
<i>IQCE</i>	rs3800882	1.81E-02	2.55E-02	NA	4.19E-02
<i>RP11-568K15.1</i>	rs4650963	1.53E-02	2.56E-02	NA	4.19E-02
<i>MUS81</i>	rs1193851	1.02E-02	2.01E-02	NA	4.19E-02
<i>CORO1A</i>	rs4583255	1.32E-02	1.96E-02	NA	4.21E-02
<i>AOX1</i>	rs11688168	9.42E-03	1.38E-02	NA	4.21E-02
<i>CTD-2008L17.1</i>	rs72936329	8.09E-03	1.39E-02	NA	4.21E-02
<i>RP11-231C14.4</i>	rs4424923	7.78E-03	1.44E-02	NA	4.21E-02
<i>SYNGAP1</i>	rs176249	6.02E-03	1.36E-02	NA	4.21E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>KIAA0319</i>	rs77006546	1.42E-02	1.91E-02	NA	4.21E-02
<i>ACY1</i>	rs13072536	1.01E-02	1.98E-02	NA	4.21E-02
<i>APLNR</i>	rs708228	1.22E-02	2.06E-02	NA	4.21E-02
<i>CTA-250D10.19</i>	rs9611469	1.20E-02	2.04E-02	NA	4.21E-02
<i>FEZ1</i>	rs12283429	1.18E-02	1.97E-02	NA	4.21E-02
<i>RP11-347C12.3</i>	rs4788211	1.10E-02	2.01E-02	NA	4.21E-02
<i>RP5-951N9.1</i>	rs11062170	1.64E-02	2.06E-02	NA	4.21E-02
<i>SNX3</i>	rs4945816	6.80E-03	2.04E-02	NA	4.21E-02
<i>SULT1A3</i>	rs4424923	1.23E-02	2.02E-02	NA	4.21E-02
<i>ZNF486</i>	rs880090	1.05E-02	2.00E-02	NA	4.21E-02
<i>CHRND</i>	rs6710294	1.14E-02	1.64E-02	NA	4.21E-02
<i>RP3-395M20.3</i>	rs2494635	8.67E-03	1.63E-02	NA	4.21E-02
<i>RP11-473I1.5</i>	rs7196708	6.99E-03	1.66E-02	NA	4.21E-02
<i>PARP3</i>	rs1060330	1.36E-02	2.39E-02	NA	4.22E-02
<i>CTC-559E9.6</i>	rs8101938	1.07E-02	2.02E-02	NA	4.22E-02
<i>KMT2E</i>	rs2299319	1.27E-02	2.03E-02	NA	4.22E-02
<i>MARCKSL1P1</i>	rs11191356	1.49E-02	2.40E-02	NA	4.23E-02
<i>INPP5D</i>	rs6710294	2.01E-02	2.63E-02	NA	4.23E-02
<i>SEMA3B-AS1</i>	rs9852677	2.79E-04	2.68E-02	NA	4.23E-02
<i>SFXN5</i>	rs2077586	1.56E-02	2.66E-02	NA	4.23E-02
<i>LRRC16A</i>	rs3734528	1.89E-02	2.23E-02	NA	4.24E-02
<i>NPM3</i>	rs2031604	1.40E-02	2.22E-02	NA	4.24E-02
<i>SCARA5</i>	rs111659883	1.79E-02	2.70E-02	NA	4.24E-02
<i>TRPV4</i>	rs11065628	1.10E-02	2.09E-02	NA	4.25E-02
<i>MEF2C-AS1</i>	rs62378245	1.68E-02	2.43E-02	NA	4.25E-02
<i>C6orf106</i>	rs1318691	1.37E-02	2.27E-02	NA	4.26E-02
<i>ADAM22</i>	rs73210240	1.25E-02	2.13E-02	NA	4.26E-02
<i>FAT2</i>	rs2961756	1.14E-02	2.13E-02	NA	4.26E-02
<i>RP11-677M14.5</i>	rs12283429	1.35E-02	2.19E-02	NA	4.26E-02
<i>SNRPGP2</i>	rs9964176	1.24E-02	2.18E-02	NA	4.26E-02
<i>LRP1</i>	rs73115999	1.11E-02	2.20E-02	NA	4.27E-02
<i>NNMT</i>	rs4245150	1.39E-02	2.20E-02	NA	4.27E-02
<i>RP11-958J22.1</i>	rs61882712	1.38E-02	2.07E-02	NA	4.27E-02
<i>KIAA1324L</i>	rs73206909	1.54E-02	2.46E-02	NA	4.27E-02
<i>PLEKHG4</i>	rs1971546	1.36E-02	2.46E-02	NA	4.27E-02
<i>CYP2W1</i>	rs34922657	1.51E-02	2.13E-02	NA	4.27E-02
<i>MORN1</i>	rs942820	1.34E-02	2.13E-02	NA	4.27E-02
<i>PDE6D</i>	rs6710294	1.67E-02	2.26E-02	NA	4.28E-02
<i>RP11-603J24.5</i>	rs324015	1.47E-02	2.26E-02	NA	4.28E-02
<i>NDUFA3P4</i>	rs4932178	9.31E-03	1.78E-02	NA	4.29E-02
<i>RP11-382A20.6</i>	rs1145173	1.39E-02	2.32E-02	NA	4.29E-02
<i>RPS11</i>	rs7047	1.67E-02	2.50E-02	NA	4.29E-02
<i>SNORA60</i>	rs6093098	1.60E-02	2.15E-02	NA	4.29E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>PRRC1</i>	rs2764766	7.07E-03	2.17E-02	NA	4.30E-02
<i>SEMA4B</i>	rs4702	1.51E-02	2.17E-02	NA	4.30E-02
<i>CTD-2008L17.2</i>	rs72930740	7.32E-03	1.53E-02	NA	4.30E-02
<i>MYL6</i>	rs324015	9.96E-03	1.68E-02	NA	4.30E-02
<i>RP11-657O9.1</i>	rs696520	9.23E-03	1.54E-02	NA	4.30E-02
<i>SUN2</i>	rs1008677	1.07E-02	1.66E-02	NA	4.30E-02
<i>VSTM2L</i>	rs208818	9.80E-03	1.65E-02	NA	4.30E-02
<i>ACD</i>	rs1971546	1.20E-02	2.26E-02	NA	4.30E-02
<i>SATB2</i>	rs796364	1.81E-02	2.31E-02	NA	4.32E-02
<i>RP11-752G15.9</i>	rs1269134	1.37E-02	2.33E-02	NA	4.33E-02
<i>RDH16</i>	rs324017	1.91E-02	2.78E-02	NA	4.34E-02
<i>RP11-214K3.23</i>	rs11057238	8.17E-03	1.54E-02	NA	4.34E-02
<i>SPRYD4</i>	rs324017	1.44E-02	2.24E-02	NA	4.35E-02
<i>AF131215.9</i>	rs73191548	9.90E-03	2.19E-02	NA	4.35E-02
<i>WDR65</i>	rs3001723	1.47E-02	2.18E-02	NA	4.35E-02
<i>APOBEC3B</i>	rs1008677	1.66E-02	2.36E-02	NA	4.35E-02
<i>BRD8</i>	rs256013	1.35E-02	2.39E-02	NA	4.36E-02
<i>ZSWIM6</i>	rs4604142	1.79E-02	2.40E-02	NA	4.36E-02
<i>NOTO</i>	rs2077586	1.21E-02	2.23E-02	NA	4.36E-02
<i>SLC4A1AP</i>	rs12474906	1.11E-02	2.21E-02	NA	4.36E-02
<i>SSU72</i>	rs16824398	1.36E-02	2.23E-02	NA	4.36E-02
<i>AC004447.2</i>	rs4808203	1.64E-02	2.36E-02	NA	4.36E-02
<i>HNRNPA1P38</i>	rs56055628	1.37E-02	2.37E-02	NA	4.36E-02
<i>MNT</i>	rs9893573	1.32E-02	2.38E-02	NA	4.36E-02
<i>SLC9B1</i>	rs13107325	1.91E-02	2.41E-02	NA	4.36E-02
<i>SV2A</i>	rs7555080	1.32E-02	2.29E-02	NA	4.36E-02
<i>APOBEC3D</i>	rs5757754	1.30E-02	2.20E-02	NA	4.36E-02
<i>RP5-1107A17.4</i>	rs35065479	6.93E-03	2.02E-02	NA	4.36E-02
<i>KCNIP2-AS1</i>	rs11191356	1.63E-02	2.57E-02	NA	4.36E-02
<i>SGSM3</i>	rs55898159	1.60E-02	2.57E-02	NA	4.36E-02
<i>FBXO41</i>	rs2077586	1.08E-02	2.05E-02	NA	4.36E-02
<i>BOLA2B</i>	rs4424923	1.57E-02	2.43E-02	NA	4.37E-02
<i>ADSSL1</i>	rs2368560	1.74E-02	2.45E-02	NA	4.37E-02
<i>AC010524.2</i>	rs7047	1.34E-02	2.11E-02	NA	4.38E-02
<i>RP11-342A23.1</i>	rs17601029	1.02E-02	2.11E-02	NA	4.38E-02
<i>ERI3</i>	rs3001723	1.58E-02	2.31E-02	NA	4.38E-02
<i>RP11-45P15.4</i>	rs34633710	1.46E-02	2.42E-02	NA	4.39E-02
<i>TMEM200B</i>	rs1498231	9.23E-03	1.79E-02	NA	4.39E-02
<i>MAN2A1</i>	rs2269201	1.10E-02	2.50E-02	NA	4.40E-02
<i>DOCK4-AS1</i>	rs37716	1.59E-02	2.62E-02	NA	4.40E-02
<i>NPY6R</i>	rs55985421	1.73E-02	2.65E-02	NA	4.40E-02
<i>WDR17</i>	rs1106568	1.83E-02	2.63E-02	NA	4.40E-02
<i>RBKS</i>	rs12474906	1.05E-02	2.13E-02	NA	4.40E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>ASS1P1</i>	rs6910549	2.10E-02	2.51E-02	NA	4.41E-02
<i>CTSW</i>	rs1193851	1.39E-02	2.49E-02	NA	4.41E-02
<i>HNRNPKP1</i>	rs2764766	9.32E-03	2.53E-02	NA	4.41E-02
<i>HSD17B14</i>	rs7047	1.69E-02	2.53E-02	NA	4.41E-02
<i>ZNF691</i>	rs3001723	1.76E-02	2.52E-02	NA	4.41E-02
<i>AC135048.1</i>	rs4788211	1.32E-02	2.28E-02	NA	4.41E-02
<i>SCNM1</i>	rs12124898	1.77E-02	2.87E-02	NA	4.41E-02
<i>RP1-178F10.3</i>	rs11078410	1.14E-02	2.55E-02	NA	4.42E-02
<i>RP13-582O9.7</i>	rs7832163	1.30E-02	2.24E-02	NA	4.42E-02
<i>PRSS55</i>	rs73191548	1.07E-02	2.30E-02	NA	4.42E-02
<i>ZCCHC8</i>	rs10846491	1.36E-02	2.26E-02	NA	4.42E-02
<i>KB-1836B5.4</i>	rs17435276	1.22E-02	2.50E-02	NA	4.43E-02
<i>CNIH2</i>	rs1193851	1.46E-02	2.58E-02	NA	4.44E-02
<i>NOSIP</i>	rs7047	1.74E-02	2.58E-02	NA	4.44E-02
<i>SEC13</i>	rs61432137	1.22E-02	2.27E-02	NA	4.44E-02
<i>RP11-245J9.5</i>	rs13272	1.91E-02	2.90E-02	NA	4.45E-02
<i>FBXO16</i>	rs9331950	1.39E-02	2.30E-02	NA	4.45E-02
<i>TMEM59L</i>	rs4808203	1.58E-02	2.28E-02	NA	4.45E-02
<i>RP11-12M9.4</i>	rs9607850	1.31E-02	2.32E-02	NA	4.45E-02
<i>AP000769.1</i>	rs1193851	1.32E-02	2.40E-02	NA	4.45E-02
<i>SGSM2</i>	rs2224770	1.35E-02	2.39E-02	NA	4.45E-02
<i>SRSF1</i>	rs35065479	9.28E-03	2.39E-02	NA	4.45E-02
<i>ADIG</i>	rs6093098	1.78E-02	2.36E-02	NA	4.46E-02
<i>GRM4</i>	rs9394145	1.33E-02	2.35E-02	NA	4.46E-02
<i>OBFC1</i>	rs10786736	1.65E-02	2.36E-02	NA	4.46E-02
<i>RP11-353N4.4</i>	rs72694957	1.47E-02	2.36E-02	NA	4.46E-02
<i>LINC00663</i>	rs4808203	1.21E-02	1.84E-02	NA	4.46E-02
<i>RP11-121M22.1</i>	rs73024809	7.13E-03	1.83E-02	NA	4.46E-02
<i>ITIH1</i>	rs6769789	1.50E-02	2.32E-02	NA	4.46E-02
<i>ACTR8</i>	rs7626551	1.22E-02	2.00E-02	NA	4.47E-02
<i>CA14</i>	rs72694955	1.06E-02	1.98E-02	NA	4.47E-02
<i>RPS2P4</i>	rs10132641	1.28E-02	2.00E-02	NA	4.47E-02
<i>RP11-181B11.1</i>	rs2565065	1.51E-02	2.43E-02	NA	4.47E-02
<i>PSCA</i>	rs11778057	1.97E-02	2.65E-02	NA	4.47E-02
<i>RP11-353N4.5</i>	rs12124898	1.57E-02	2.63E-02	NA	4.48E-02
<i>BANK1</i>	rs13107325	2.40E-02	2.94E-02	NA	4.50E-02
<i>IL4I1</i>	rs57940349	7.89E-03	1.67E-02	NA	4.50E-02
<i>LINC00568</i>	rs72694950	9.03E-03	1.70E-02	NA	4.50E-02
<i>USP40</i>	rs6710294	1.22E-02	1.74E-02	NA	4.50E-02
<i>RP11-752G15.3</i>	rs75884951	8.45E-03	1.75E-02	NA	4.50E-02
<i>DUSP7</i>	rs1060330	1.42E-02	2.46E-02	NA	4.50E-02
<i>ZNF682</i>	rs4808203	1.74E-02	2.46E-02	NA	4.50E-02
<i>ATG13</i>	rs60722866	2.01E-02	2.74E-02	NA	4.50E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>CCDC39</i>	rs1871355	1.35E-02	2.39E-02	NA	4.50E-02
<i>RCN3</i>	rs57940349	8.85E-03	1.80E-02	NA	4.50E-02
<i>HSPE1</i>	rs11900232	1.97E-02	2.76E-02	NA	4.51E-02
<i>WDR81</i>	rs216221	1.76E-02	2.76E-02	NA	4.51E-02
<i>CTC-260E6.10</i>	rs15622	1.52E-02	2.40E-02	NA	4.51E-02
<i>RUNDC3B</i>	rs56936192	1.63E-02	2.71E-02	NA	4.52E-02
<i>CCDC92</i>	rs10846491	1.70E-02	2.67E-02	NA	4.52E-02
<i>DCP1B</i>	rs2238053	1.41E-02	1.91E-02	NA	4.52E-02
<i>CTC-332L22.1</i>	rs4388249	1.11E-02	2.38E-02	NA	4.52E-02
<i>RP11-73M18.11</i>	rs35498576	1.72E-02	2.41E-02	NA	4.53E-02
<i>SPATA4</i>	rs6846161	1.63E-02	2.39E-02	NA	4.53E-02
<i>RASGRP2</i>	rs1193851	1.35E-02	2.44E-02	NA	4.53E-02
<i>C16orf93</i>	rs4583255	1.31E-02	1.94E-02	NA	4.53E-02
<i>HLA-DRB9</i>	rs176249	9.65E-03	1.87E-02	NA	4.53E-02
<i>SLURP1</i>	rs4976982	1.88E-02	2.42E-02	NA	4.54E-02
<i>A4GALT</i>	rs5758605	1.20E-02	1.91E-02	NA	4.54E-02
<i>KHDC1</i>	rs1548335	1.03E-02	1.91E-02	NA	4.54E-02
<i>RP13-582O9.5</i>	rs72687376	1.74E-02	2.80E-02	NA	4.54E-02
<i>SLC12A4</i>	rs1971546	1.63E-02	2.81E-02	NA	4.54E-02
<i>BCL11B</i>	rs11624408	1.15E-02	2.12E-02	NA	4.54E-02
<i>GET4</i>	rs6957894	1.19E-02	1.97E-02	NA	4.54E-02
<i>PRADC1</i>	rs2077586	1.12E-02	2.11E-02	NA	4.54E-02
<i>RP11-670E13.2</i>	rs35065479	7.34E-03	2.09E-02	NA	4.54E-02
<i>SCAF1</i>	rs57940349	1.05E-02	2.03E-02	NA	4.54E-02
<i>RP11-305O4.3</i>	rs9845788	1.54E-02	2.54E-02	NA	4.55E-02
<i>FAM227A</i>	rs9306336	1.34E-02	2.43E-02	NA	4.55E-02
<i>CLK1</i>	rs3769446	1.54E-02	2.68E-02	NA	4.55E-02
<i>NR1H3</i>	rs7476	1.17E-02	2.00E-02	NA	4.55E-02
<i>PLXNA4</i>	rs10954343	1.01E-02	1.99E-02	NA	4.55E-02
<i>RNU6-312P</i>	rs3769446	1.60E-02	2.75E-02	NA	4.56E-02
<i>PEMT</i>	rs9907287	1.60E-02	3.04E-02	NA	4.56E-02
<i>RP11-1167A19.2</i>	rs1193851	1.84E-02	3.05E-02	NA	4.56E-02
<i>AC013472.4</i>	rs12474906	1.50E-02	2.71E-02	NA	4.56E-02
<i>BZRAP1-AS1</i>	rs35065479	1.14E-02	2.71E-02	NA	4.56E-02
<i>RP11-503P10.1</i>	rs12474906	1.48E-02	2.70E-02	NA	4.56E-02
<i>YWHAE</i>	rs216176	1.72E-02	2.73E-02	NA	4.56E-02
<i>RP5-821D11.7</i>	rs5996096	1.36E-02	2.45E-02	NA	4.57E-02
<i>TMEM184A</i>	rs6945719	2.37E-02	3.06E-02	NA	4.57E-02
<i>RPS10</i>	rs942496	1.49E-02	2.45E-02	NA	4.57E-02
<i>STAC3</i>	rs324015	2.17E-02	3.07E-02	NA	4.57E-02
<i>ZNF90</i>	rs4808203	1.84E-02	2.58E-02	NA	4.58E-02
<i>RP11-430H10.1</i>	rs876701	1.76E-02	2.48E-02	NA	4.58E-02
<i>ELOVL1</i>	rs3001723	1.37E-02	2.06E-02	NA	4.58E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>DIABLO</i>	rs655293	1.86E-02	2.76E-02	NA	4.59E-02
<i>RP11-977G19.14</i>	rs324017	1.91E-02	2.78E-02	NA	4.59E-02
<i>RRAS</i>	rs57940349	1.67E-02	2.81E-02	NA	4.59E-02
<i>PAM</i>	rs1823694	1.13E-02	2.52E-02	NA	4.59E-02
<i>RP11-225H22.5</i>	rs10883798	2.02E-02	2.55E-02	NA	4.59E-02
<i>SF3B4</i>	rs7555080	1.75E-02	2.81E-02	NA	4.59E-02
<i>C14orf2</i>	rs35498576	1.87E-02	2.58E-02	NA	4.60E-02
<i>CACNB2</i>	rs2148182	1.19E-02	2.15E-02	NA	4.60E-02
<i>KIF5C</i>	rs76355118	1.22E-02	2.62E-02	NA	4.61E-02
<i>PTP4A2P2</i>	rs73036062	1.95E-02	2.63E-02	NA	4.61E-02
<i>TSPO</i>	rs2143139	2.23E-02	3.12E-02	NA	4.62E-02
<i>RP11-561C5.5</i>	rs11631921	1.36E-02	2.64E-02	NA	4.62E-02
<i>HOMER2</i>	rs4779046	1.74E-02	2.84E-02	NA	4.62E-02
<i>RP11-109N23.6</i>	rs2332704	1.24E-02	2.17E-02	NA	4.63E-02
<i>RP11-522N14.2</i>	rs7304782	1.60E-02	2.15E-02	NA	4.63E-02
<i>JOSD1</i>	rs1008677	2.02E-02	2.77E-02	NA	4.63E-02
<i>IFT81</i>	rs11065628	1.13E-02	2.13E-02	NA	4.64E-02
<i>LINC00852</i>	rs61432137	1.93E-02	3.15E-02	NA	4.64E-02
<i>LINC00222</i>	rs13217795	1.20E-02	2.88E-02	NA	4.64E-02
<i>RP11-458I7.1</i>	rs72694965	1.84E-02	2.81E-02	NA	4.65E-02
<i>PLD5</i>	rs10803138	1.32E-02	2.20E-02	NA	4.65E-02
<i>RBMS2</i>	rs324015	1.42E-02	2.20E-02	NA	4.66E-02
<i>NIF3L1</i>	rs3769446	1.53E-02	2.66E-02	NA	4.66E-02
<i>AC074117.13</i>	rs4666014	1.12E-02	2.54E-02	NA	4.66E-02
<i>TMEM179</i>	rs3861678	1.90E-02	2.57E-02	NA	4.66E-02
<i>HDDC3</i>	rs4932178	1.86E-02	2.93E-02	NA	4.67E-02
<i>RAP1GAP2</i>	rs2224770	1.79E-02	2.94E-02	NA	4.67E-02
<i>TAC3</i>	rs324015	2.05E-02	2.93E-02	NA	4.67E-02
<i>BRMS1</i>	rs1193851	1.60E-02	2.76E-02	NA	4.67E-02
<i>MEF2B</i>	rs4808203	1.99E-02	2.75E-02	NA	4.67E-02
<i>COIL</i>	rs35065479	8.00E-03	2.20E-02	NA	4.67E-02
<i>RP11-345J4.8</i>	rs4424923	1.38E-02	2.21E-02	NA	4.67E-02
<i>RP11-10L12.4</i>	rs13107325	2.63E-02	3.19E-02	NA	4.67E-02
<i>PDGFB</i>	rs55898159	1.61E-02	2.59E-02	NA	4.67E-02
<i>RP11-697E2.7</i>	rs4932178	1.45E-02	2.43E-02	NA	4.68E-02
<i>DGKE</i>	rs35065479	1.15E-02	2.72E-02	NA	4.68E-02
<i>MSRA</i>	rs73191548	1.43E-02	2.78E-02	NA	4.68E-02
<i>ERCC8</i>	rs10041978	1.93E-02	2.61E-02	NA	4.69E-02
<i>GHRL</i>	rs61432137	1.56E-02	2.70E-02	NA	4.69E-02
<i>MGEA5</i>	rs284854	1.29E-02	2.57E-02	NA	4.69E-02
<i>PCBP4</i>	rs4687680	1.83E-02	2.69E-02	NA	4.69E-02
<i>PFKFB2</i>	rs12749612	1.33E-02	2.67E-02	NA	4.69E-02
<i>SCAND2P</i>	rs1051168	1.74E-02	2.71E-02	NA	4.69E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>TSSK6</i>	rs1054284	1.81E-02	2.62E-02	NA	4.69E-02
<i>HIST2H2BE</i>	rs72694965	1.67E-02	2.61E-02	NA	4.69E-02
<i>ARC</i>	rs72687376	1.86E-02	2.95E-02	NA	4.69E-02
<i>RP11-486O12.2</i>	rs941306	1.93E-02	2.90E-02	NA	4.69E-02
<i>PTN</i>	rs3735026	2.33E-02	3.23E-02	NA	4.69E-02
<i>CACNA1C-AS1</i>	rs11062157	2.19E-02	3.31E-02	NA	4.69E-02
<i>CALHM3</i>	rs17114641	2.37E-02	3.33E-02	NA	4.69E-02
<i>DIS3L2</i>	rs11535	2.61E-02	3.27E-02	NA	4.69E-02
<i>PPARGC1A</i>	rs215405	1.84E-02	3.31E-02	NA	4.69E-02
<i>TANGO6</i>	rs1971546	2.02E-02	3.27E-02	NA	4.69E-02
<i>WDFY1</i>	rs3768886	2.13E-02	3.32E-02	NA	4.69E-02
<i>CMAHP</i>	rs77006546	2.28E-02	2.86E-02	NA	4.70E-02
<i>IL17RE</i>	rs61432137	1.69E-02	2.86E-02	NA	4.70E-02
<i>COPS3</i>	rs4584886	1.48E-02	2.88E-02	NA	4.71E-02
<i>NRGN</i>	rs12541	1.90E-02	2.92E-02	NA	4.71E-02
<i>RP3-508I15.20</i>	rs1008677	2.15E-02	2.91E-02	NA	4.71E-02
<i>SUGP2</i>	rs880090	1.76E-02	2.89E-02	NA	4.71E-02
<i>CTF1</i>	rs4424923	1.63E-02	2.50E-02	NA	4.71E-02
<i>ATF7IP2</i>	rs7199375	1.56E-02	2.98E-02	NA	4.71E-02
<i>SGK223</i>	rs2948286	2.20E-03	2.26E-02	NA	4.72E-02
<i>CTB-113P19.3</i>	rs2961756	1.22E-02	2.24E-02	NA	4.72E-02
<i>C22orf46</i>	rs5758268	1.87E-02	2.96E-02	NA	4.72E-02
<i>EIF4E3</i>	rs56343799	1.76E-02	2.95E-02	NA	4.72E-02
<i>LYPD6</i>	rs76355118	1.47E-02	2.95E-02	NA	4.72E-02
<i>PKD2L2</i>	rs256013	1.82E-02	2.96E-02	NA	4.73E-02
<i>ZNF592</i>	rs2135551	1.80E-02	2.96E-02	NA	4.73E-02
<i>LYSMD3</i>	rs2247870	1.06E-02	2.62E-02	NA	4.73E-02
<i>CDK11B</i>	rs2494635	1.60E-02	2.56E-02	NA	4.73E-02
<i>TBC1D10B</i>	rs4583255	1.86E-02	2.58E-02	NA	4.73E-02
<i>TNRC6B</i>	rs55898159	1.59E-02	2.57E-02	NA	4.73E-02
<i>DAXX</i>	rs1003878	1.76E-02	2.27E-02	NA	4.74E-02
<i>BNIP3L</i>	rs3808573	1.83E-02	3.01E-02	NA	4.75E-02
<i>ADSL</i>	rs9611469	2.00E-02	3.01E-02	NA	4.76E-02
<i>RP1-46F2.2</i>	rs11065628	1.27E-02	2.31E-02	NA	4.76E-02
<i>AC099684.1</i>	rs12603592	2.27E-02	3.44E-02	NA	4.76E-02
<i>AP3S2</i>	rs4932178	2.30E-02	3.44E-02	NA	4.76E-02
<i>NYAP2</i>	rs3768886	2.23E-02	3.43E-02	NA	4.76E-02
<i>BRAT1</i>	rs872465	1.50E-02	2.41E-02	NA	4.76E-02
<i>HCG16</i>	rs34130214	2.10E-02	2.43E-02	NA	4.76E-02
<i>PLEKHA4</i>	rs57940349	1.33E-02	2.39E-02	NA	4.76E-02
<i>RP11-953B20.1</i>	rs4976982	1.79E-02	2.32E-02	NA	4.76E-02
<i>RPA1</i>	rs2224770	1.87E-02	3.04E-02	NA	4.76E-02
<i>PLD6</i>	rs11078410	1.86E-02	3.50E-02	NA	4.76E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>RRP9</i>	rs13072536	2.23E-02	3.48E-02	NA	4.76E-02
<i>RP11-1020A11.2</i>	rs61432137	1.72E-02	2.90E-02	NA	4.77E-02
<i>GBF1</i>	rs35525740	1.73E-02	2.31E-02	NA	4.77E-02
<i>PSD</i>	rs284858	1.18E-02	2.31E-02	NA	4.77E-02
<i>AP000662.4</i>	rs708228	2.08E-02	3.08E-02	NA	4.78E-02
<i>FOXO3B</i>	rs9890563	1.60E-02	3.08E-02	NA	4.78E-02
<i>TSGA10IP</i>	rs1193851	1.68E-02	2.84E-02	NA	4.78E-02
<i>DIMT1</i>	rs10041978	2.35E-02	3.08E-02	NA	4.78E-02
<i>HMGA1</i>	rs511515	1.45E-02	2.52E-02	NA	4.79E-02
<i>RP11-403I13.8</i>	rs12124898	1.48E-02	2.51E-02	NA	4.79E-02
<i>RP11-677M14.6</i>	rs12283429	1.61E-02	2.50E-02	NA	4.79E-02
<i>ARHGAP1</i>	rs10838634	2.13E-02	3.06E-02	NA	4.79E-02
<i>RP11-496B10.3</i>	rs1805589	1.89E-02	2.64E-02	NA	4.80E-02
<i>GPN1</i>	rs12474906	1.82E-02	3.11E-02	NA	4.80E-02
<i>C14orf180</i>	rs4906379	2.13E-02	2.87E-02	NA	4.80E-02
<i>RP11-158M2.3</i>	rs3803405	1.73E-02	3.15E-02	NA	4.80E-02
<i>RP11-723D22.3</i>	rs17435276	1.74E-02	3.17E-02	NA	4.80E-02
<i>MLLT11</i>	rs12124898	1.96E-02	3.09E-02	NA	4.81E-02
<i>AVIL</i>	rs73115999	1.51E-02	2.72E-02	NA	4.81E-02
<i>RP11-146F11.5</i>	rs4583255	2.78E-02	3.59E-02	NA	4.81E-02
<i>AF131215.2</i>	rs73191548	1.40E-02	2.75E-02	NA	4.82E-02
<i>AP006547.3</i>	rs28460883	2.09E-02	2.99E-02	NA	4.82E-02
<i>RP11-297M9.2</i>	rs1420042	1.79E-02	3.11E-02	NA	4.82E-02
<i>SAG</i>	rs11535	2.57E-02	3.24E-02	NA	4.83E-02
<i>TTC12</i>	rs10750025	2.24E-02	3.24E-02	NA	4.83E-02
<i>AC109829.1</i>	rs12474906	1.66E-02	2.92E-02	NA	4.83E-02
<i>MBLAC2</i>	rs2247870	9.72E-03	2.98E-02	NA	4.83E-02
<i>NCAN</i>	rs8101938	1.83E-02	2.97E-02	NA	4.83E-02
<i>SIVA1</i>	rs4906379	2.17E-02	2.91E-02	NA	4.83E-02
<i>SLC25A40</i>	rs73210260	1.82E-02	2.90E-02	NA	4.83E-02
<i>SZT2</i>	rs3001723	2.19E-02	3.00E-02	NA	4.83E-02
<i>ATPAF2</i>	rs2955367	1.46E-02	3.14E-02	NA	4.84E-02
<i>SLC5A6</i>	rs12474906	1.80E-02	3.09E-02	NA	4.84E-02
<i>ARL5B</i>	rs4748465	2.00E-02	3.01E-02	NA	4.84E-02
<i>CDC42EP2</i>	rs1193851	1.93E-02	3.15E-02	NA	4.85E-02
<i>ST3GAL3</i>	rs3001723	2.32E-02	3.15E-02	NA	4.85E-02
<i>FAM222A-AS1</i>	rs3026445	2.00E-02	3.12E-02	NA	4.85E-02
<i>AC009245.3</i>	rs1647181	2.19E-02	3.17E-02	NA	4.86E-02
<i>BAI1</i>	rs28460883	2.29E-02	3.21E-02	NA	4.86E-02
<i>RP11-22L13.1</i>	rs2477686	2.29E-02	3.24E-02	NA	4.86E-02
<i>RP11-543P15.1</i>	rs1016388	2.65E-02	3.27E-02	NA	4.86E-02
<i>NPTXR</i>	rs1008677	2.12E-02	2.87E-02	NA	4.86E-02
<i>PRSS51</i>	rs73191548	1.50E-02	2.86E-02	NA	4.86E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>RP11-261C10.3</i>	rs12751210	1.65E-02	2.80E-02	NA	4.86E-02
<i>STAMBP</i>	rs73947808	1.66E-02	2.73E-02	NA	4.86E-02
<i>ZNF689</i>	rs4424923	1.87E-02	2.79E-02	NA	4.86E-02
<i>RPL7P4</i>	rs3132564	2.43E-02	3.17E-02	NA	4.86E-02
<i>CTD-2012K14.7</i>	rs1971546	1.91E-02	3.14E-02	NA	4.87E-02
<i>RP11-499E18.1</i>	rs13107325	1.93E-02	2.43E-02	NA	4.87E-02
<i>OS9</i>	rs73115999	1.41E-02	2.59E-02	NA	4.87E-02
<i>PEX16</i>	rs10838634	2.27E-02	3.22E-02	NA	4.87E-02
<i>ST14</i>	rs4936123	1.96E-02	3.24E-02	NA	4.88E-02
<i>IL17RC</i>	rs61432137	2.08E-02	3.32E-02	NA	4.89E-02
<i>MFHAS1</i>	rs2948286	1.05E-02	2.66E-02	NA	4.89E-02
<i>FBXL19-AS1</i>	rs4583255	2.22E-02	2.98E-02	NA	4.90E-02
<i>EDC4</i>	rs7187202	2.00E-02	3.27E-02	NA	4.91E-02
<i>FOSL2</i>	rs4666014	1.69E-02	3.29E-02	NA	4.91E-02
<i>NUCB1</i>	rs7047	2.36E-02	3.29E-02	NA	4.91E-02
<i>RP4-564F22.5</i>	rs6093097	2.62E-02	3.28E-02	NA	4.91E-02
<i>FES</i>	rs4702	1.93E-02	2.65E-02	NA	4.91E-02
<i>FCGR1C</i>	rs72694957	2.17E-02	3.18E-02	NA	4.91E-02
<i>EIF4EBP1</i>	rs9198	2.23E-02	3.28E-02	NA	4.91E-02
<i>JRK</i>	rs7462788	2.57E-02	3.28E-02	NA	4.91E-02
<i>PRKCD</i>	rs13072536	2.07E-02	3.29E-02	NA	4.91E-02
<i>RP11-567M21.3</i>	rs4936123	2.02E-02	3.31E-02	NA	4.91E-02
<i>C16orf92</i>	rs4424923	2.23E-02	3.20E-02	NA	4.92E-02
<i>INTS1</i>	rs1476887	2.19E-02	2.81E-02	NA	4.93E-02
<i>NSUN6</i>	rs1409203	2.37E-02	3.35E-02	NA	4.93E-02
<i>DDB2</i>	rs10838634	2.52E-02	3.50E-02	NA	4.94E-02
<i>EIF1AD</i>	rs1193851	2.10E-02	3.35E-02	NA	4.95E-02
<i>IPO13</i>	rs3001723	2.50E-02	3.34E-02	NA	4.95E-02
<i>GIN1</i>	rs1823694	1.51E-02	3.03E-02	NA	4.95E-02
<i>IL20RB</i>	rs9845788	1.99E-02	3.08E-02	NA	4.95E-02
<i>REXO2</i>	rs10736470	2.06E-02	3.03E-02	NA	4.95E-02
<i>RP11-619L19.2</i>	rs784255	2.27E-02	3.08E-02	NA	4.95E-02
<i>GYLTL1B</i>	rs10838634	2.54E-02	3.52E-02	NA	4.96E-02
<i>ZNF710</i>	rs35346340	2.43E-02	3.53E-02	NA	4.96E-02
<i>PDE4D</i>	rs4604142	2.47E-02	3.13E-02	NA	4.96E-02
<i>RP11-375N15.2</i>	rs73191548	1.74E-02	3.17E-02	NA	4.96E-02
<i>RPL35P2</i>	rs511515	1.95E-02	3.12E-02	NA	4.96E-02
<i>RP11-234N17.1</i>	rs1702294	2.91E-02	3.43E-02	NA	4.96E-02
<i>AC078842.3</i>	rs3735025	2.53E-02	3.44E-02	NA	4.96E-02
<i>BLM</i>	rs6227	1.54E-02	2.44E-02	NA	4.96E-02
<i>HNRNPA1P9</i>	rs76349903	1.44E-02	2.44E-02	NA	4.96E-02
<i>SNX7</i>	rs9662719	2.28E-02	3.19E-02	NA	4.96E-02
<i>ZNF771</i>	rs4788211	2.08E-02	3.19E-02	NA	4.96E-02

Gene	topSNP	p_eQTL	p_SMR	p_HEIDI	adjp_SMR
<i>AL590822.1</i>	rs2494631	2.15E-02	3.10E-02	NA	4.96E-02
<i>BHLHA9</i>	rs216176	2.07E-02	3.14E-02	NA	4.96E-02
<i>CASP10</i>	rs6708345	1.98E-02	3.14E-02	NA	4.96E-02
<i>PEX10</i>	rs10797426	2.24E-02	3.15E-02	NA	4.96E-02
<i>CTNNA1</i>	rs187653	1.68E-02	2.72E-02	NA	4.97E-02
<i>SCML4</i>	rs9400240	2.04E-02	3.77E-02	NA	4.98E-02
<i>CEP170B</i>	rs10132641	2.36E-02	3.24E-02	NA	4.98E-02
<i>CTXN3</i>	rs2764766	1.44E-02	3.25E-02	NA	4.98E-02
<i>ATG7</i>	rs61432137	2.15E-02	3.41E-02	NA	4.99E-02
<i>RP11-675F6.4</i>	rs9198	2.32E-02	3.39E-02	NA	4.99E-02
<i>RP11-3P17.4</i>	rs536964	2.14E-02	3.31E-02	NA	5.00E-02
<i>RP6-91H8.5</i>	rs2332704	2.20E-02	3.32E-02	NA	5.00E-02

(3) The most significant eQTL analyses results in brain from CMC.

Gene	SNP	P_value
<i>AC103965</i>	rs11630887	<0.01
<i>AL022393</i>	rs111770007	<0.01
<i>ALMS1P</i>	rs11903916	<0.01
<i>ALMS1</i>	rs11903916	<0.01
<i>AP3B2</i>	rs1145173	<0.01
<i>ARL3</i>	rs10786701	<0.01
<i>AS3MT</i>	rs10883842	<0.01
<i>ATP6V0D1</i>	rs1971546	<0.01
<i>ATP6V1G2</i>	rs1265092	<0.01
<i>BAG4</i>	rs16887244	<0.01
<i>BAG6</i>	rs433061	<0.01
<i>BAK1</i>	rs210142	<0.01
<i>BRD2</i>	rs433061	<0.01
<i>BTN2A1</i>	rs6940638	<0.01
<i>BTN3A2</i>	rs13216828	<0.01
<i>BTN3A3</i>	rs2235251	<0.01
<i>C10orf32</i>	rs10883842	<0.01
<i>C2orf47</i>	rs11688168	<0.01
<i>C2orf82</i>	rs1083522	<0.01
<i>C4A</i>	rs1265092	<0.01
<i>CD46</i>	rs12749612	<0.01
<i>CNNM2</i>	rs10883842	<0.01
<i>CNTN4</i>	rs9845120	<0.01
<i>CPEB1</i>	rs1145173	<0.01
<i>CSDC2</i>	rs12158335	<0.01
<i>CSPG4P11</i>	rs11630887	<0.01
<i>CSPG4P12</i>	rs11630887	<0.01
<i>CTSS</i>	rs72694955	<0.01
<i>DDAH2</i>	rs433061	<0.01
<i>DDHD2</i>	rs11779986	<0.01
<i>DNM1P51</i>	rs57489559	<0.01
<i>DOC2A</i>	rs11644809	<0.01
<i>DRG2</i>	rs11078410	<0.01
<i>EFTUD1P1</i>	rs11630887	<0.01
<i>ELOVL7</i>	rs10041978	<0.01
<i>ERI1</i>	rs2948286	<0.01
<i>F8</i>	rs2266886	<0.01
<i>FAM109B</i>	rs133382	<0.01
<i>FAM154B</i>	rs4779046	<0.01
<i>FAM66A</i>	rs2948286	<0.01
<i>FAM66D</i>	rs2948286	<0.01

Gene	SNP	P_value
<i>FAM86B3P</i>	rs2948286	<0.01
<i>FANCL</i>	rs11688767	<0.01
<i>FES</i>	rs11372849	<0.01
<i>FTCDNL1</i>	rs11333159	<0.01
<i>FTSJ2</i>	rs12699453	<0.01
<i>FURIN</i>	rs11372849	<0.01
<i>GATAD2A</i>	rs10282	<0.01
<i>GLT8D1</i>	rs11717383	<0.01
<i>GLYCTK</i>	rs11717383	<0.01
<i>GOLGA6L4</i>	rs11630887	<0.01
<i>GUSBP2</i>	rs6932590	<0.01
<i>HIST1H2BC</i>	rs198811	<0.01
<i>HIST1H4B</i>	rs198811	<0.01
<i>HLA-B</i>	rs1131156	<0.01
<i>HLA-C</i>	rs34546986	<0.01
<i>HLA-DMA</i>	rs433061	<0.01
<i>HLA-DQA1</i>	rs1048645	<0.01
<i>HLA-DRB1</i>	rs9270358	<0.01
<i>HSPA1L</i>	rs2075800	<0.01
<i>INO80E</i>	rs11644809	<0.01
<i>IP6K3</i>	rs2395401	<0.01
<i>IRAK1</i>	rs2266886	<0.01
<i>KLC1</i>	rs10132641	<0.01
<i>LINC00634</i>	rs133382	<0.01
<i>MAN2A1</i>	rs2249413	<0.01
<i>MAPK3</i>	rs11644809	<0.01
<i>MAU2</i>	rs13964	<0.01
<i>MDK</i>	rs11038906	<0.01
<i>MED8</i>	rs3001723	<0.01
<i>MICA</i>	rs2534675	<0.01
<i>NAGA</i>	rs12158335	<0.01
<i>NEK4</i>	rs1029871	<0.01
<i>NOTCH4</i>	rs2534675	<0.01
<i>NT5C2</i>	rs11191560	<0.01
<i>OGFOD2</i>	rs10846491	<0.01
<i>PCCB</i>	rs7349597	<0.01
<i>PGBD1</i>	rs1150670	<0.01
<i>PLXNA3</i>	rs2266886	<0.01
<i>POLR3H</i>	rs1894713	<0.01
<i>PPM1M</i>	rs4687680	<0.01
<i>PPP1R13B</i>	rs10132641	<0.01
<i>PRMT7</i>	rs1971546	<0.01
<i>REEP2</i>	rs16373	<0.01

Gene	SNP	P_value
<i>RFT1</i>	rs7620706	<0.01
<i>RP11-18114</i>	rs10786701	<0.01
<i>RP11-275H4</i>	rs16832165	<0.01
<i>RP11-347C12</i>	rs11644809	<0.01
<i>RP11-490G2</i>	rs12072739	<0.01
<i>RP11-586K2</i>	rs10955542	<0.01
<i>RP11-677M14</i>	rs36053597	<0.01
<i>RP11-890B15</i>	rs11600182	<0.01
<i>RP1-265C24</i>	rs111770007	<0.01
<i>RP5-874C20</i>	rs1150670	<0.01
<i>RP5-966M1</i>	rs4687680	<0.01
<i>SDAD1P1</i>	rs3808573	<0.01
<i>SF3B1</i>	rs10931779	<0.01
<i>SFMBT1</i>	rs1961958	<0.01
<i>SLC45A1</i>	rs301792	<0.01
<i>SLCO4C1</i>	rs1823694	<0.01
<i>SNX19</i>	rs10791098	<0.01
<i>SNX29P2</i>	rs11644809	<0.01
<i>SRR</i>	rs12603592	<0.01
<i>STAT6</i>	rs324015	<0.01
<i>TAP2</i>	rs433061	<0.01
<i>TDRD9</i>	rs10132641	<0.01
<i>THOC7</i>	rs7615475	<0.01
<i>TMEM187</i>	rs2266886	<0.01
<i>TMEM219</i>	rs4583255	<0.01
<i>TOM1L2</i>	rs9907287	<0.01
<i>TRIM35</i>	rs2565065	<0.01
<i>TSNARE1</i>	rs28460883	<0.01
<i>TYW5</i>	rs11333159	<0.01
<i>UBE2Q2P1</i>	rs57489559	<0.01
<i>VAR2</i>	rs1265092	<0.01
<i>WBP1L</i>	rs10883842	<0.01
<i>WBP2NL</i>	rs12158335	<0.01
<i>WHSC1L1</i>	rs11779986	<0.01
<i>XPNPEP3</i>	rs9611469	<0.01
<i>ZKSCAN3</i>	rs1150670	<0.01
<i>ZKSCAN8</i>	rs2275508	<0.01
<i>ZNF165</i>	rs1150670	<0.01
<i>ZNF192P1</i>	rs111770007	<0.01
<i>ZNF259P1</i>	rs13217795	<0.01
<i>ZSCAN16</i>	rs111770007	<0.01
<i>ZSCAN23</i>	rs111770007	<0.01
<i>ZSCAN31</i>	rs111770007	<0.01

Gene	SNP	P_value
ZSCAN9	rs1150670	<0.01
AC005477	rs2332703	<0.05
AC007163	rs281771	<0.05
ACTR1A	rs3834416	<0.05
ACTR5	rs2244937	<0.05
ANAPC7	rs3026445	<0.05
BTBD1	rs4779046	<0.05
BTN2A2	rs2072803	<0.05
CPT1C	rs57940349	<0.05
CTNNA1	rs154069	<0.05
DHX35	rs208818	<0.05
ERCC8	rs10041978	<0.05
FAM167A	rs2948286	<0.05
FCGRT	rs57940349	<0.05
HIST1H4F	rs198811	<0.05
HLA-E	rs1265092	<0.05
HYAL3	rs9852677	<0.05
IMMP2L	rs37716	<0.05
INA	rs11191560	<0.05
KMT2E	rs10281886	<0.05
L3MBTL2	rs5758268	<0.05
LY6G5B	rs433061	<0.05
MARK3	rs12147596	<0.05
MPHOSPH9	rs1051434	<0.05
NISCH	rs1961958	<0.05
NMB	rs1051168	<0.05
PACSN3	rs10838634	<0.05
PJA1	rs5937159	<0.05
PLCL1	rs4389332	<0.05
PPT2	rs72849267	<0.05
PSMG3	rs12531315	<0.05
RAB27B	rs12327270	<0.05
RERE	rs159962	<0.05
RP4-756G23	rs5758268	<0.05
SDCCAG8	rs10803138	<0.05
SETD8	rs3759115	<0.05
SNRNP70	rs57940349	<0.05
STAR	rs1488936	<0.05
TARS2	rs35132383	<0.05
TMEM110	rs7620706	<0.05
VPS29	rs11065628	<0.05
VSTM2L	rs208818	<0.05
WDR73	rs11630887	<0.05

Gene	SNP	P_value
<i>YJEFN3</i>	rs1054930	<0.05
<i>ZKSCAN4</i>	rs213238	<0.05
<i>ZNF14</i>	rs1469712	<0.05
<i>ZNF204P</i>	rs111770007	<0.05
<i>ZSCAN2</i>	rs11630887	<0.05

(4) The most significant eQTL analyses results in blood from NG.

Gene	SNP	P_value	FDR
<i>AC013264.2</i>	rs10199410	3.27E-310	0.00E+00
<i>BAK1</i>	rs511515	3.27E-310	0.00E+00
<i>BTN3A2</i>	rs12176317	3.27E-310	0.00E+00
<i>C22orf32</i>	rs12157344	3.27E-310	0.00E+00
<i>C2</i>	rs12157344	3.27E-310	0.00E+00
<i>F2</i>	rs9274563	3.27E-310	0.00E+00
<i>HLA-DQB1-AS1</i>	rs9274563	3.27E-310	0.00E+00
<i>HLA-DQB1</i>	rs9274563	3.27E-310	0.00E+00
<i>HLA-DRB5</i>	rs9271877	3.27E-310	0.00E+00
<i>HLA-DRB6</i>	rs9269874	3.27E-310	0.00E+00
<i>HLA-DRB9</i>	rs9269874	3.27E-310	0.00E+00
<i>ITIH4</i>	rs4687663	3.27E-310	0.00E+00
<i>MUSTN1</i>	rs4687663	3.27E-310	0.00E+00
<i>SNX19</i>	rs2276097	3.27E-310	0.00E+00
<i>XXbac-BPG254F23.6</i>	rs9274563	3.27E-310	0.00E+00
<i>ZFP57</i>	rs3117289	3.27E-310	0.00E+00
<i>HLA-DQA1</i>	rs9274563	3.16E-301	0.00E+00
<i>CYP2D6</i>	rs5751220	2.79E-281	0.00E+00
<i>GPN3</i>	rs11065647	2.93E-271	0.00E+00
<i>ANKRD44</i>	rs10931779	5.89E-255	0.00E+00
<i>RP11-890B15.3</i>	rs2276097	6.88E-246	0.00E+00
<i>HLA-DQB2</i>	rs9269874	1.28E-225	0.00E+00
<i>AS3MT</i>	rs284863	7.23E-223	0.00E+00
<i>HLA-F-AS1</i>	rs3129055	3.65E-212	0.00E+00
<i>HLA-F</i>	rs3129055	3.65E-212	0.00E+00
<i>DUS2L</i>	rs2418736	1.75E-207	0.00E+00
<i>ITIH4-AS1</i>	rs4687663	4.14E-204	0.00E+00
<i>HLA-S</i>	rs1005598	2.31E-202	0.00E+00
<i>HLA-DQA2</i>	rs9269874	1.75E-176	0.00E+00
<i>TMTC1</i>	rs302317	3.69E-173	0.00E+00
<i>XRCC3</i>	rs1799796	7.99E-168	0.00E+00
<i>HLA-C</i>	rs17197637	2.08E-164	0.00E+00
<i>KLC1</i>	rs11846404	7.72E-160	0.00E+00
<i>HCG4P5</i>	rs2571385	4.46E-155	0.00E+00
<i>HCG4</i>	rs2571385	4.46E-155	0.00E+00
<i>HLA-A</i>	rs2571385	4.46E-155	0.00E+00
<i>NT5DC2</i>	rs13076193	6.79E-155	0.00E+00
<i>HLA-DRB1</i>	rs9275109	6.30E-146	0.00E+00
<i>PSMB9</i>	rs9276905	7.07E-145	0.00E+00
<i>RPL23AP1</i>	rs885945	2.81E-135	0.00E+00
<i>FAM109B</i>	rs133379	5.48E-135	0.00E+00

Gene	SNP	P_value	FDR
<i>MAPK3</i>	rs4424923	3.54E-133	0.00E+00
<i>ABCB9</i>	rs883562	2.31E-132	0.00E+00
<i>SREBF1</i>	rs11078400	7.56E-132	0.00E+00
<i>GLYCTK</i>	rs2276834	2.36E-130	0.00E+00
<i>LPAR2</i>	rs7249692	9.85E-130	0.00E+00
<i>INO80E</i>	rs4788197	7.59E-119	0.00E+00
<i>C10orf32</i>	rs284863	9.40E-119	0.00E+00
<i>NT5C2</i>	rs11191560	1.57E-117	0.00E+00
<i>HLA-J</i>	rs1655905	1.29E-116	0.00E+00
<i>ZNRD1-AS1</i>	rs1655905	1.29E-116	0.00E+00
<i>ZNRD1</i>	rs1655905	1.29E-116	0.00E+00
<i>LINC00243</i>	rs886424	1.85E-115	0.00E+00
<i>GLYCTK-AS1</i>	rs2276834	6.68E-114	0.00E+00
<i>MIR135A1</i>	rs2276834	6.68E-114	0.00E+00
<i>HCG27</i>	rs4713446	4.75E-112	0.00E+00
<i>RP11-73M18.10</i>	rs3212090	2.93E-110	0.00E+00
<i>RP11-73M18.7</i>	rs3212090	2.93E-110	0.00E+00
<i>CCDC134</i>	rs9607850	2.49E-108	0.00E+00
<i>HMGNA4</i>	rs2073526	9.75E-105	0.00E+00
<i>TRIM27</i>	rs209174	2.28E-104	0.00E+00
<i>ACTR5</i>	rs1006945	2.45E-104	0.00E+00
<i>HLA-U</i>	rs2571385	2.73E-104	0.00E+00
<i>NAGA</i>	rs133379	1.12E-102	0.00E+00
<i>WBP2NL</i>	rs133379	1.12E-102	0.00E+00
<i>RP11-73M18.8</i>	rs11846404	4.19E-101	0.00E+00
<i>HLA-G</i>	rs3132690	3.23E-99	0.00E+00
<i>LY6G5C</i>	rs805303	2.73E-98	0.00E+00
<i>RP11-67A1.2</i>	rs11864819	2.74E-96	0.00E+00
<i>FES</i>	rs35346340	7.95E-96	0.00E+00
<i>CYP21A2</i>	rs519417	1.61E-89	0.00E+00
<i>SETD8</i>	rs2337631	5.47E-86	0.00E+00
<i>HLA-K</i>	rs3132690	3.07E-85	0.00E+00
<i>ALMS1P</i>	rs11903916	3.53E-82	0.00E+00
<i>ALMS1</i>	rs11903916	3.53E-82	0.00E+00
<i>PPM1M</i>	rs11717383	8.11E-82	0.00E+00
<i>TCF19</i>	rs114475699	4.11E-80	0.00E+00
<i>AKAP10</i>	rs72843506	4.78E-79	0.00E+00
<i>PLCL1</i>	rs10207232	5.93E-79	0.00E+00
<i>GDPD3</i>	rs4424923	6.69E-79	0.00E+00
<i>HLA-L</i>	rs3132619	4.99E-77	0.00E+00
<i>RP5-874C20.3</i>	rs1225715	1.51E-76	0.00E+00
<i>PCCB</i>	rs7349597	2.47E-75	0.00E+00
<i>PSORS1C3</i>	rs9380224	1.66E-73	0.00E+00

Gene	SNP	P_value	FDR
<i>RP5-821D11.7</i>	rs9607850	2.45E-73	0.00E+00
<i>SREBF2</i>	rs9607850	2.45E-73	0.00E+00
<i>FAM216A</i>	rs11065647	1.17E-72	0.00E+00
<i>RP11-478C19.5</i>	rs11065647	1.17E-72	0.00E+00
<i>POU5F1</i>	rs114475699	2.81E-70	0.00E+00
<i>IER3</i>	rs886424	2.24E-68	0.00E+00
<i>CCHCR1</i>	rs130076	5.46E-68	0.00E+00
<i>VARS2</i>	rs1632855	6.28E-68	0.00E+00
<i>GATAD2A</i>	rs2905432	1.34E-65	0.00E+00
<i>CDK2AP1</i>	rs12817892	1.61E-65	0.00E+00
<i>RP11-282O18.3</i>	rs4759415	4.04E-65	0.00E+00
<i>TMX2</i>	rs682503	2.27E-64	0.00E+00
<i>NMB</i>	rs11636189	1.84E-62	0.00E+00
<i>PRSS16</i>	rs61240102	3.55E-62	0.00E+00
<i>MOG</i>	rs3117289	1.08E-61	0.00E+00
<i>TRIM38</i>	rs34043431	3.55E-61	0.00E+00
<i>BTN2A2</i>	rs4711107	5.16E-61	0.00E+00
<i>PRMT7</i>	rs1971546	1.37E-60	0.00E+00
<i>YPEL3</i>	rs4788198	2.86E-60	0.00E+00
<i>HLA-DPB2</i>	rs114132738	4.21E-60	0.00E+00
<i>GOLGA6L4</i>	rs220333	8.38E-60	0.00E+00
<i>ZKSCAN4</i>	rs735765	1.39E-59	0.00E+00
<i>LRRFIP2</i>	rs6769400	7.72E-59	0.00E+00
<i>ITIH3</i>	rs2710339	1.21E-58	0.00E+00
<i>CYP2D8P1</i>	rs12157344	6.24E-58	0.00E+00
<i>TMEM180</i>	rs3934495	1.38E-57	0.00E+00
<i>RP5-1157M23.2</i>	rs7629072	2.19E-57	0.00E+00
<i>ANP32E</i>	rs12124898	2.38E-57	0.00E+00
<i>FLOT1</i>	rs886424	1.14E-56	0.00E+00
<i>IGSF9B</i>	rs73034295	1.81E-55	0.00E+00
<i>TBX6</i>	rs4424923	3.20E-55	0.00E+00
<i>ZSCAN12P1</i>	rs2275508	1.35E-53	0.00E+00
<i>RP11-325F22.2</i>	rs6466030	2.80E-52	0.00E+00
<i>MED19</i>	rs682503	3.35E-52	0.00E+00
<i>MUC22</i>	rs114475699	3.57E-52	0.00E+00
<i>HCG4P6</i>	rs3129012	5.92E-52	0.00E+00
<i>ARL6IP4</i>	rs1727295	1.86E-51	0.00E+00
<i>RP11-197N18.2</i>	rs1727295	1.86E-51	0.00E+00
<i>TNXB</i>	rs2280774	2.17E-50	0.00E+00
<i>TNXA</i>	rs389883	5.71E-50	0.00E+00
<i>PSORS1C1</i>	rs9264587	8.60E-50	0.00E+00
<i>PSORS1C2</i>	rs9264587	8.60E-50	0.00E+00
<i>RP11-458I7.4</i>	rs72694957	2.32E-48	0.00E+00

Gene	SNP	P_value	FDR
<i>C4B</i>	rs2280774	2.94E-48	0.00E+00
<i>MIR1307</i>	rs113278154	1.06E-47	0.00E+00
<i>USMG5</i>	rs113278154	1.06E-47	0.00E+00
<i>RP11-332O19.3</i>	rs11191560	1.59E-47	0.00E+00
<i>DPEP3</i>	rs7204208	2.16E-47	0.00E+00
<i>RAD9B</i>	rs3026445	4.35E-47	0.00E+00
<i>SRR</i>	rs216199	2.46E-45	0.00E+00
<i>HLA-V</i>	rs2571385	3.62E-44	0.00E+00
<i>DDHD2</i>	rs2306899	4.14E-44	0.00E+00
<i>TMEM110-MUSTN1</i>	rs9836499	9.26E-44	0.00E+00
<i>TMEM110</i>	rs9836499	9.26E-44	0.00E+00
<i>ZDHHC5</i>	rs682503	1.04E-43	0.00E+00
<i>FTSJ2</i>	rs3778996	1.83E-43	0.00E+00
<i>VPS29</i>	rs3026445	6.75E-43	0.00E+00
<i>DAXX</i>	rs3135406	1.67E-42	0.00E+00
<i>TSNARE1</i>	rs72687376	4.65E-42	0.00E+00
<i>U1</i>	rs9269874	1.20E-41	0.00E+00
<i>GOLGA6L5</i>	rs220333	1.20E-41	0.00E+00
<i>ZBTB22</i>	rs3135406	1.33E-41	0.00E+00
<i>SLC7A6OS</i>	rs6499160	1.75E-41	0.00E+00
<i>SLC7A6</i>	rs6499160	1.75E-41	0.00E+00
<i>HCG9</i>	rs1611350	2.83E-41	0.00E+00
<i>ZSCAN9</i>	rs1225715	3.12E-41	0.00E+00
<i>C4A</i>	rs519417	1.82E-40	0.00E+00
<i>SPECC1</i>	rs72843506	3.70E-40	0.00E+00
<i>ZSCAN2</i>	rs11631921	1.95E-39	0.00E+00
<i>TAP2</i>	rs9271562	3.70E-39	0.00E+00
<i>DOC2A</i>	rs4788198	8.52E-39	0.00E+00
<i>HLA-B</i>	rs2394885	9.79E-39	0.00E+00
<i>HLA-DMA</i>	rs116131925	1.01E-38	0.00E+00
<i>HLA-DMB</i>	rs116131925	1.01E-38	0.00E+00
<i>AL645922.1</i>	rs389883	1.08E-38	0.00E+00
<i>CYP21A1P</i>	rs389883	1.08E-38	0.00E+00
<i>NDRG4</i>	rs113571835	1.44E-38	0.00E+00
<i>BAG5</i>	rs4906336	1.70E-38	0.00E+00
<i>NAB2</i>	rs324017	1.87E-38	0.00E+00
<i>STAT6</i>	rs324017	1.87E-38	0.00E+00
<i>MPHOSPH9</i>	rs7304782	2.27E-38	0.00E+00
<i>Z83851.3</i>	rs134869	1.43E-37	0.00E+00
<i>DDX39BP2</i>	rs1632910	1.47E-37	0.00E+00
<i>DDX39B</i>	rs1632910	1.47E-37	0.00E+00
<i>C4B-AS1</i>	rs2280774	1.55E-37	0.00E+00
<i>C4A-AS1</i>	rs2280774	2.28E-37	0.00E+00

Gene	SNP	P_value	FDR
<i>SKIV2L</i>	rs389883	7.54E-37	0.00E+00
<i>RERE</i>	rs301792	1.99E-36	0.00E+00
<i>MAD1L1</i>	rs6975354	3.43E-36	0.00E+00
<i>ATPAF2</i>	rs7219320	4.65E-36	0.00E+00
<i>BTN2A1</i>	rs2273558	7.45E-36	0.00E+00
<i>NDUFA13</i>	rs2916068	2.15E-35	0.00E+00
<i>TSSK6</i>	rs2916068	2.15E-35	0.00E+00
<i>YJEFN3</i>	rs2916068	2.15E-35	0.00E+00
<i>MEI1</i>	rs9620001	1.39E-34	0.00E+00
<i>TOM1L2</i>	rs11078400	5.86E-34	0.00E+00
<i>LCAT</i>	rs56303487	1.18E-33	0.00E+00
<i>HIST1H4H</i>	rs9358914	2.29E-33	0.00E+00
<i>SDAD1P1</i>	rs3808573	2.62E-33	0.00E+00
<i>SERBP1P3</i>	rs7638524	2.89E-33	0.00E+00
<i>DDAH2</i>	rs622871	3.43E-33	0.00E+00
<i>RP1-265C24.5</i>	rs2275508	4.99E-33	0.00E+00
<i>MICC</i>	rs3132619	9.00E-33	0.00E+00
<i>OR1F12</i>	rs2275508	1.36E-32	0.00E+00
<i>C6orf48</i>	rs805303	1.99E-32	0.00E+00
<i>SNORD52</i>	rs805303	1.99E-32	0.00E+00
<i>DESI1</i>	rs9607850	3.06E-32	0.00E+00
<i>TAPBP</i>	rs3135406	8.24E-32	0.00E+00
<i>BRD2</i>	rs209474	1.85E-31	0.00E+00
<i>XXbac-BPG181M17.6</i>	rs209474	1.85E-31	0.00E+00
<i>CYP2D7P1</i>	rs6002597	3.19E-31	0.00E+00
<i>CSNK2B</i>	rs805303	3.23E-31	0.00E+00
<i>LY6G5B</i>	rs805303	3.23E-31	0.00E+00
<i>PGBD1</i>	rs34130214	3.47E-31	0.00E+00
<i>HLA-H</i>	rs1655905	6.13E-31	0.00E+00
<i>SFXN2</i>	rs4147157	6.46E-31	0.00E+00
<i>HLA-DPA3</i>	rs114132738	7.18E-31	0.00E+00
<i>PRRC2A</i>	rs2736176	1.33E-30	0.00E+00
<i>HCG18</i>	rs3094064	2.44E-30	0.00E+00
<i>RP11-18I14.7</i>	rs2031604	4.22E-30	0.00E+00
<i>BTN3A1</i>	rs3208733	3.36E-29	0.00E+00
<i>MARK3</i>	rs12890820	3.52E-29	0.00E+00
<i>RP11-259P6.1</i>	rs73034295	3.60E-29	0.00E+00
<i>CYP17A1-AS1</i>	rs284863	2.02E-28	0.00E+00
<i>CYP17A1</i>	rs284863	2.02E-28	0.00E+00
<i>ZKSCAN3</i>	rs9468368	2.82E-28	0.00E+00
<i>BTN2A3P</i>	rs12176317	1.02E-27	0.00E+00
<i>MAU2</i>	rs62135552	1.12E-27	0.00E+00
<i>AGER</i>	rs204994	3.91E-27	0.00E+00

Gene	SNP	P_value	FDR
<i>NEK1</i>	rs4434205	5.58E-27	0.00E+00
<i>HLA-W</i>	rs1655905	6.46E-27	0.00E+00
<i>RP11-455F5.4</i>	rs4424923	6.91E-27	0.00E+00
<i>MSL2</i>	rs7349597	7.00E-27	0.00E+00
<i>TRIM10</i>	rs3132651	8.13E-27	0.00E+00
<i>ATF6B</i>	rs519417	9.94E-27	0.00E+00
<i>TRIM31</i>	rs1610752	1.50E-26	0.00E+00
<i>ITPR3</i>	rs756139	3.43E-26	0.00E+00
<i>SF3B1</i>	rs1560277	3.64E-26	0.00E+00
<i>HLA-P</i>	rs3132690	4.92E-26	0.00E+00
<i>PSMD6</i>	rs7627690	5.63E-26	0.00E+00
<i>RP11-245J9.4</i>	rs7627690	5.63E-26	0.00E+00
<i>RP1-97J1.2</i>	rs6921229	7.03E-26	0.00E+00
<i>GPANK1</i>	rs805303	1.22E-25	0.00E+00
<i>ATP6V1G2-DDX39B</i>	rs1005599	1.47E-25	0.00E+00
<i>ATP6V1G2</i>	rs1005599	1.47E-25	0.00E+00
<i>MICE</i>	rs1610622	2.79E-25	0.00E+00
<i>HCG22</i>	rs2246330	4.70E-25	0.00E+00
<i>MICA</i>	rs1005598	5.06E-25	0.00E+00
<i>AIF1</i>	rs805302	9.56E-25	0.00E+00
<i>OGFOD2</i>	rs11608811	3.12E-24	0.00E+00
<i>XXbac-BPG248L24.11</i>	rs2905737	3.78E-24	0.00E+00
<i>MUC21</i>	rs9263970	1.12E-23	0.00E+00
<i>HLA-DPA1</i>	rs114132738	1.88E-23	0.00E+00
<i>HLA-DPB1</i>	rs114132738	1.88E-23	0.00E+00
<i>MCCD1P2</i>	rs1633086	2.77E-23	0.00E+00
<i>MCCD1</i>	rs1633086	2.77E-23	0.00E+00
<i>TDRD9</i>	rs10132641	5.63E-23	0.00E+00
<i>ZSCAN16</i>	rs35345226	8.38E-23	0.00E+00
<i>ATG13</i>	rs55657382	1.13E-22	0.00E+00
<i>GABBR1</i>	rs3117289	1.54E-22	0.00E+00
<i>RP1-265C24.8</i>	rs9393886	1.81E-22	0.00E+00
<i>RP1-265C24.9</i>	rs9393886	1.81E-22	0.00E+00
<i>ZNF165</i>	rs9393886	3.36E-22	0.00E+00
<i>PBX2</i>	rs204994	6.22E-22	0.00E+00
<i>VRK2</i>	rs2465804	8.25E-22	0.00E+00
<i>MCCD1P1</i>	rs1610720	8.26E-22	0.00E+00
<i>HCG11</i>	rs35942482	1.26E-21	0.00E+00
<i>AC073043.2</i>	rs1658810	1.99E-21	0.00E+00
<i>NOTCH4</i>	rs389883	2.20E-21	0.00E+00
<i>ARPC3</i>	rs11065647	2.41E-21	0.00E+00
<i>RP11-478C19.2</i>	rs11065647	2.41E-21	0.00E+00
<i>CTC-479C5.17</i>	rs9922594	3.09E-21	0.00E+00

Gene	SNP	P_value	FDR
<i>SLC12A4</i>	rs9922594	3.09E-21	0.00E+00
<i>PPP1R16B</i>	rs12625702	5.77E-21	0.00E+00
<i>HCG4P8</i>	rs1655905	7.23E-21	0.00E+00
<i>DOPEY1</i>	rs4470825	1.02E-20	0.00E+00
<i>IRF3</i>	rs1045567	1.27E-20	0.00E+00
<i>HIST1H1T</i>	rs198811	1.54E-20	0.00E+00
<i>MICD</i>	rs1611350	2.54E-20	0.00E+00
<i>ALG1L13P</i>	rs2945247	3.33E-20	0.00E+00
<i>AL022393.7</i>	rs1225715	5.63E-20	0.00E+00
<i>VSIG2</i>	rs12293621	6.02E-20	0.00E+00
<i>DPEP2</i>	rs56303487	8.48E-20	0.00E+00
<i>HLA-T</i>	rs3129012	1.07E-19	0.00E+00
<i>TRANK1</i>	rs73068054	3.79E-19	0.00E+00
<i>PSMA4</i>	rs905739	4.21E-19	0.00E+00
<i>CKB</i>	rs58033365	4.36E-19	0.00E+00
<i>SLC17A3</i>	rs1165159	5.12E-19	0.00E+00
<i>MRPS21</i>	rs12124898	9.73E-19	0.00E+00
<i>SGK223</i>	rs2948293	1.18E-18	0.00E+00
<i>HIST1H2BD</i>	rs9358914	1.81E-18	0.00E+00
<i>PCNXL3</i>	rs1193851	3.81E-18	0.00E+00
<i>WHSC1L1</i>	rs11777811	6.27E-18	0.00E+00
<i>CHRNA5</i>	rs905739	2.32E-17	0.00E+00
<i>RP11-650L12.2</i>	rs905739	2.32E-17	0.00E+00
<i>ALAS1</i>	rs352139	4.00E-17	0.00E+00
<i>RP11-753C18.8</i>	rs284863	6.79E-17	0.00E+00
<i>ESRP2</i>	rs9922594	7.50E-17	0.00E+00
<i>NFATC3</i>	rs9922594	7.50E-17	0.00E+00
<i>RP11-96D1.10</i>	rs9922594	7.50E-17	0.00E+00
<i>RP11-96D1.11</i>	rs9922594	7.50E-17	0.00E+00
<i>HLA-DOB</i>	rs4947350	2.10E-16	0.00E+00
<i>BTN3A3</i>	rs6926677	3.82E-16	0.00E+00
<i>NEK4</i>	rs2710323	5.34E-16	0.00E+00
<i>HSPE1</i>	rs3792159	8.08E-16	0.00E+00
<i>SRPK2</i>	rs6968335	1.24E-15	0.00E+00
<i>ZNF592</i>	rs11636499	1.36E-15	0.00E+00
<i>RP11-455F5.3</i>	rs4788197	1.57E-15	0.00E+00
<i>EGFL8</i>	rs2280774	1.59E-15	0.00E+00
<i>STAB1</i>	rs2276834	1.73E-15	0.00E+00
<i>HLA-DRA</i>	rs2002777	2.36E-15	0.00E+00
<i>RP4-669P10.16</i>	rs134885	3.09E-15	0.00E+00
<i>RP4-669P10.18</i>	rs134885	3.09E-15	0.00E+00
<i>APOPT1</i>	rs35498576	3.60E-15	0.00E+00
<i>LEMD2</i>	rs756139	5.88E-15	0.00E+00

Gene	SNP	P_value	FDR
<i>HCG4P11</i>	rs3132690	8.49E-15	0.00E+00
<i>HCG4P7</i>	rs1655905	1.03E-14	0.00E+00
<i>CFB</i>	rs3134940	1.06E-14	0.00E+00
<i>ALDH16A1</i>	rs1045567	1.12E-14	0.00E+00
<i>ZFYVE21</i>	rs2368560	1.69E-14	0.00E+00
<i>GRAP</i>	rs66885728	2.22E-14	0.00E+00
<i>SLC5A10</i>	rs66885728	2.22E-14	0.00E+00
<i>HIST1H3E</i>	rs198811	2.62E-14	0.00E+00
<i>ASPHD1</i>	rs4424923	2.75E-14	0.00E+00
<i>CTD-2574D22.4</i>	rs4424923	2.75E-14	0.00E+00
<i>KCTD13</i>	rs4424923	2.75E-14	0.00E+00
<i>ALKBH5</i>	rs7207461	2.90E-14	0.00E+00
<i>RP11-258F1.1</i>	rs7207461	2.90E-14	0.00E+00
<i>HCG4P3</i>	rs3129012	3.43E-14	0.00E+00
<i>AC092653.5</i>	rs11903916	3.58E-14	0.00E+00
<i>ZNF192P1</i>	rs1225715	3.73E-14	0.00E+00
<i>EPHX2</i>	rs111659883	4.27E-14	0.00E+00
<i>RP11-209D14.2</i>	rs72843506	5.40E-14	0.00E+00
<i>NDUFA6</i>	rs5751241	6.09E-14	0.00E+00
<i>RCN3</i>	rs57940349	6.69E-14	0.00E+00
<i>AC010746.3</i>	rs10931779	7.96E-14	0.00E+00
<i>AC103965.1</i>	rs220333	9.28E-14	0.00E+00
<i>AC136698.1</i>	rs220333	9.28E-14	0.00E+00
<i>ULK2</i>	rs72843506	1.20E-13	0.00E+00
<i>CTA-14H9.5</i>	rs2073526	1.74E-13	0.00E+00
<i>DHFRP2</i>	rs2395476	2.17E-13	0.00E+00
<i>PRRT1</i>	rs3130281	2.19E-13	0.00E+00
<i>AL049840.1</i>	rs10132641	2.52E-13	0.00E+00
<i>SNORD48</i>	rs805303	2.85E-13	0.00E+00
<i>VWA7</i>	rs805303	3.23E-13	0.00E+00
<i>ZSCAN23</i>	rs9885928	3.41E-13	0.00E+00
<i>RP11-513D5.5</i>	rs17435276	5.96E-13	0.00E+00
<i>XXbac-BPG299F13.16</i>	rs2394885	7.08E-13	0.00E+00
<i>ZNF204P</i>	rs61240102	7.19E-13	0.00E+00
<i>MEF2B</i>	rs2905432	9.78E-13	0.00E+00
<i>TSR1</i>	rs2224770	1.14E-12	0.00E+00
<i>DHX35</i>	rs208810	1.18E-12	0.00E+00
<i>APOM</i>	rs2736425	1.36E-12	0.00E+00
<i>TRIM8</i>	rs284862	1.37E-12	0.00E+00
<i>ATXN7</i>	rs7615475	2.20E-12	0.00E+00
<i>DFNA5</i>	rs79210963	3.01E-12	0.00E+00
<i>RP11-600F24.7</i>	rs4906336	3.13E-12	0.00E+00
<i>PITPNM2</i>	rs655293	3.53E-12	0.00E+00

Gene	SNP	P_value	FDR
<i>GLT8D1</i>	rs35249778	3.56E-12	0.00E+00
<i>LRLE1</i>	rs1878561	4.47E-12	0.00E+00
<i>STK19P</i>	rs389883	4.48E-12	0.00E+00
<i>STK19</i>	rs389883	4.48E-12	0.00E+00
<i>PPT2</i>	rs3130281	4.58E-12	0.00E+00
<i>DDX39B-AS1</i>	rs3130621	5.16E-12	0.00E+00
<i>SNORD84</i>	rs3130621	5.16E-12	0.00E+00
<i>AL021917.1</i>	rs9358933	5.60E-12	0.00E+00
<i>GPN1</i>	rs4632296	9.90E-12	0.00E+00
<i>SUPT7L</i>	rs4632296	9.90E-12	0.00E+00
<i>PLEKHO1</i>	rs1824850	1.33E-11	0.00E+00
<i>NEU1</i>	rs1265947	1.46E-11	0.00E+00
<i>HIST1H2BC</i>	rs13196986	1.46E-11	0.00E+00
<i>U6</i>	rs284863	1.59E-11	0.00E+00
<i>HIST1H4K</i>	rs2056924	2.08E-11	0.00E+00
<i>FAM86B3P</i>	rs2948293	2.36E-11	0.00E+00
<i>AC002306.1</i>	rs7249692	2.66E-11	0.00E+00
<i>TRIM26</i>	rs1117488	2.76E-11	0.00E+00
<i>HIST1H4J</i>	rs2056924	3.00E-11	0.00E+00
<i>EGLN1P1</i>	rs17598603	3.36E-11	0.00E+00
<i>RP11-182J1.1</i>	rs17598603	3.36E-11	0.00E+00
<i>SCAND2P</i>	rs17598603	3.36E-11	0.00E+00
<i>BTNL2</i>	rs3132931	4.45E-11	0.00E+00
<i>RBM26-AS1</i>	rs8002042	4.95E-11	0.00E+00
<i>RBM26</i>	rs8002042	4.95E-11	0.00E+00
<i>OR2B8P</i>	rs2275508	6.05E-11	0.00E+00
<i>RP11-196G18.22</i>	rs10888569	6.39E-11	0.00E+00
<i>AKT3</i>	rs3006916	6.64E-11	0.00E+00
<i>SDCCAG8</i>	rs3006916	6.64E-11	0.00E+00
<i>FAM213B</i>	rs2494631	8.63E-11	0.00E+00
<i>MMEL1</i>	rs2494631	8.63E-11	0.00E+00
<i>PSMD6-AS2</i>	rs832195	8.81E-11	0.00E+00
<i>FAM154B</i>	rs75884951	8.91E-11	0.00E+00
<i>PLCH2</i>	rs2494631	8.92E-11	0.00E+00
<i>CTA-250D10.23</i>	rs133348	8.98E-11	0.00E+00
<i>CHRNA2</i>	rs111659883	1.05E-10	0.00E+00
<i>RPL13P</i>	rs3131094	1.25E-10	0.00E+00
<i>XXbac-BPG308K3.6</i>	rs3131094	1.25E-10	0.00E+00
<i>CTD-2574D22.2</i>	rs4424923	1.29E-10	0.00E+00
<i>ANAPC7</i>	rs11065647	1.36E-10	0.00E+00
<i>MICF</i>	rs3128992	1.37E-10	0.00E+00
<i>TSNAXIP1</i>	rs7204208	1.41E-10	0.00E+00
<i>ITIH1</i>	rs4687663	1.64E-10	0.00E+00

Gene	SNP	P_value	FDR
<i>FCGRT</i>	rs10417980	1.98E-10	0.00E+00
<i>RPL13A</i>	rs10417980	2.32E-10	0.00E+00
<i>NRGN</i>	rs36053597	2.63E-10	0.00E+00
<i>PRR12</i>	rs10417980	2.74E-10	0.00E+00
<i>PPP2R3A</i>	rs7349597	4.02E-10	0.00E+00
<i>FANCL</i>	rs2678904	4.98E-10	0.00E+00
<i>RP11-457M11.2</i>	rs13215020	5.04E-10	0.00E+00
<i>ZNF322</i>	rs13215020	5.04E-10	0.00E+00
<i>IFITM4P</i>	rs1610622	5.21E-10	0.00E+00
<i>RP11-499P20.2</i>	rs6482406	6.53E-10	0.00E+00
<i>RFT1</i>	rs9836499	6.58E-10	0.00E+00
<i>ATP13A1</i>	rs7249692	7.19E-10	0.00E+00
<i>NELFE</i>	rs2280774	7.92E-10	6.21E-06
<i>SUGP1</i>	rs2916068	8.10E-10	6.21E-06
<i>FAM83G</i>	rs66885728	9.73E-10	6.18E-06
<i>CLU</i>	rs9331950	1.22E-09	6.15E-06
<i>DNAH1</i>	rs7629072	1.41E-09	6.13E-06
<i>CENPM</i>	rs9620001	1.54E-09	6.12E-06
<i>GULOP</i>	rs111659883	1.56E-09	6.12E-06
<i>ZNF311</i>	rs2765218	1.60E-09	6.11E-06
<i>DDX39BP1</i>	rs1632910	1.65E-09	6.11E-06
<i>SLC4A1AP</i>	rs13001060	1.74E-09	6.10E-06
<i>SLC44A4</i>	rs622871	2.12E-09	6.07E-06
<i>ALPK3</i>	rs3803405	2.61E-09	6.05E-06
<i>MICB</i>	rs2428535	2.80E-09	6.04E-06
<i>HARBI1</i>	rs11038906	3.17E-09	6.02E-06
<i>NHP2L1</i>	rs9607850	3.36E-09	6.01E-06
<i>C12orf65</i>	rs10846491	3.54E-09	6.01E-06
<i>RFTN2</i>	rs11900232	3.57E-09	6.01E-06
<i>ZBTB9</i>	rs3135406	4.53E-09	5.97E-06
<i>HCG9P5</i>	rs1610622	4.83E-09	5.97E-06
<i>MIR378I</i>	rs133348	5.68E-09	1.19E-05
<i>MVP</i>	rs4788197	7.20E-09	1.18E-05
<i>HIST1H3B</i>	rs13196986	7.65E-09	1.18E-05
<i>BCL2L12</i>	rs1045567	7.88E-09	1.77E-05
<i>NCR3</i>	rs2523598	8.81E-09	1.77E-05
<i>GIGYF2</i>	rs2012423	1.01E-08	1.76E-05
<i>SEC11A</i>	rs11637728	1.18E-08	2.34E-05
<i>RPL32P1</i>	rs114132738	1.19E-08	2.34E-05
<i>RPL3</i>	rs114132738	1.19E-08	2.34E-05
<i>PSMB8</i>	rs9276915	1.20E-08	2.34E-05
<i>XXbac-BPG246D15.8</i>	rs9276915	1.20E-08	2.34E-05
<i>HLA-DOA</i>	rs209474	1.35E-08	2.34E-05

Gene	SNP	P_value	FDR
<i>PGM3</i>	rs4470825	1.52E-08	2.33E-05
<i>GTF2H4</i>	rs1110482	1.92E-08	3.48E-05
<i>BAG4</i>	rs4537271	2.58E-08	3.45E-05
<i>LSM1</i>	rs4537271	2.58E-08	3.45E-05
<i>LST1</i>	rs2523554	2.80E-08	4.02E-05
<i>NFKBIL1</i>	rs1800629	2.92E-08	4.02E-05
<i>RP1-59D14.3</i>	rs12943566	3.00E-08	4.59E-05
<i>MGAT3</i>	rs5757717	3.09E-08	4.59E-05
<i>HIST1H1E</i>	rs13196986	3.45E-08	4.57E-05
<i>CTC-228N24.3</i>	rs2764766	4.02E-08	4.56E-05
<i>RP11-325F22.5</i>	rs7807853	5.82E-08	5.08E-05
<i>TNF</i>	rs5996116	6.58E-08	6.20E-05
<i>TNFRSF13C</i>	rs5996116	6.58E-08	6.20E-05
<i>CACNB2</i>	rs6482406	6.85E-08	6.19E-05
<i>MSH5</i>	rs805303	8.33E-08	6.16E-05
<i>MSH5-SAPCD1</i>	rs805303	8.33E-08	6.16E-05
<i>SAPCD1</i>	rs805303	8.33E-08	6.16E-05
<i>FAM53C</i>	rs3756766	9.28E-08	8.37E-05
<i>RP11-256P1.1</i>	rs3756766	9.28E-08	8.37E-05
<i>HIST1H2BO</i>	rs760587	9.70E-08	8.37E-05
<i>DGKZ</i>	rs876701	1.14E-07	8.34E-05
<i>CHRNA3</i>	rs905739	1.25E-07	8.32E-05
<i>YPEL4</i>	rs682503	1.44E-07	8.84E-05
<i>WDR82</i>	rs11717383	1.52E-07	8.83E-05
<i>TOP3A</i>	rs7207461	1.59E-07	9.36E-05
<i>HIST2H2AA4</i>	rs7553622	1.73E-07	9.89E-05
<i>RP11-73M18.9</i>	rs10132641	2.13E-07	1.37E-04
<i>DRG2</i>	rs9895335	2.28E-07	1.58E-04
<i>KDM3B</i>	rs3756766	2.35E-07	1.69E-04
<i>AC011816.1</i>	rs73068054	2.58E-07	1.85E-04
<i>ABT1</i>	rs13215020	2.94E-07	2.12E-04
<i>RP11-671M22.5</i>	rs220333	3.31E-07	2.43E-04
<i>XXbac-BPG116M5.15</i>	rs389883	3.34E-07	2.43E-04
<i>CTD-2134A5.4</i>	rs3212024	3.37E-07	2.43E-04
<i>STAC3</i>	rs61937595	3.47E-07	2.48E-04
<i>CDSN</i>	rs1005598	3.60E-07	2.53E-04
<i>HCG20</i>	rs3131060	3.77E-07	2.69E-04
<i>DDR1</i>	rs2246330	4.01E-07	2.90E-04
<i>HIST1H2AC</i>	rs198811	4.31E-07	3.00E-04
<i>RP11-282O18.6</i>	rs10772999	4.34E-07	3.06E-04
<i>SBNO1</i>	rs10772999	4.34E-07	3.06E-04
<i>RP11-677M14.2</i>	rs36053597	4.57E-07	3.32E-04
<i>PPP1R13B</i>	rs3818085	4.86E-07	3.74E-04

Gene	SNP	P_value	FDR
<i>ARHGAP1</i>	rs12574918	4.96E-07	3.90E-04
<i>GPSM3</i>	rs204993	5.04E-07	4.00E-04
<i>RP5-1115A15.1</i>	rs11121178	5.12E-07	4.06E-04
<i>RP4-669P10.19</i>	rs5751220	5.34E-07	4.32E-04
<i>GID4</i>	rs8068175	5.47E-07	4.47E-04
<i>HCP5</i>	rs3094014	5.53E-07	4.53E-04
<i>AC027228.1</i>	rs905739	5.94E-07	5.10E-04
<i>LRRRC48</i>	rs4584886	6.48E-07	5.30E-04
<i>BRD2-IT1</i>	rs209474	6.52E-07	5.30E-04
<i>MIR4640</i>	rs2517472	6.80E-07	5.67E-04
<i>HIST2H2AA3</i>	rs10888569	7.24E-07	6.24E-04
<i>CLCN3</i>	rs4434205	7.29E-07	6.24E-04
<i>RP11-196G18.23</i>	rs10888569	7.42E-07	6.34E-04
<i>RP11-73M18.6</i>	rs2295152	7.68E-07	6.91E-04
<i>SAPCD1-AS1</i>	rs805303	8.97E-07	8.04E-04
<i>RP11-269F20.1</i>	rs3006916	9.42E-07	8.29E-04
<i>FKBPL</i>	rs169504	1.22E-06	1.04E-03
<i>HIST1H4E</i>	rs9358914	1.24E-06	1.05E-03
<i>C2orf69</i>	rs1658810	1.25E-06	1.06E-03
<i>HSPD1</i>	rs12693815	1.26E-06	1.07E-03
<i>CLP1</i>	rs682503	1.31E-06	1.11E-03
<i>LTA</i>	rs2523554	1.39E-06	1.17E-03
<i>ESAM</i>	rs12541	1.40E-06	1.17E-03
<i>PPP1R2P1</i>	rs9275109	1.48E-06	1.22E-03
<i>GPM6A</i>	rs62340589	1.62E-06	1.33E-03
<i>SLC25A5P1</i>	rs5751241	1.62E-06	1.33E-03
<i>GOLGA6L10</i>	rs75884951	1.82E-06	1.43E-03
<i>HSPA1L</i>	rs2075800	1.82E-06	1.44E-03
<i>OR2H2</i>	rs3117289	1.87E-06	1.46E-03
<i>CORO1A</i>	rs4788198	2.03E-06	1.59E-03
<i>TAP1</i>	rs9276905	2.05E-06	1.59E-03
<i>Y_RNA</i>	rs1005598	2.52E-06	1.91E-03
<i>ARL3</i>	rs284862	2.53E-06	1.92E-03
<i>RP11-96D1.5</i>	rs1971546	2.69E-06	2.05E-03
<i>FYN</i>	rs1022649	2.86E-06	2.15E-03
<i>WDR73</i>	rs220333	2.86E-06	2.15E-03
<i>HIST1H2AK</i>	rs35501037	2.90E-06	2.18E-03
<i>SMIM15</i>	rs159538	3.27E-06	2.43E-03
<i>XXbac-BPG16N22.5</i>	rs1005599	4.79E-06	3.36E-03
<i>SFMBT1</i>	rs2581819	5.39E-06	3.82E-03
<i>GNL3</i>	rs2019065	6.26E-06	4.40E-03
<i>RP11-600F24.2</i>	rs35498576	6.41E-06	4.49E-03
<i>SLC17A1</i>	rs501220	6.83E-06	4.77E-03

Gene	SNP	P_value	FDR
<i>AL645941.1</i>	rs209474	7.36E-06	5.04E-03
<i>XXbac-BPG299F13.15</i>	rs17197637	7.51E-06	5.18E-03
<i>TYW5</i>	rs1658810	7.61E-06	5.24E-03
<i>FGFR1</i>	rs17435276	7.62E-06	5.26E-03
<i>RP11-350N15.4</i>	rs17435276	7.62E-06	5.26E-03
<i>MEF2BNB-MEF2B</i>	rs2916068	7.93E-06	5.47E-03
<i>MEF2BNB</i>	rs2916068	7.93E-06	5.47E-03
<i>TCF20</i>	rs134885	8.18E-06	5.63E-03
<i>PIH1D1</i>	rs1045567	8.46E-06	5.85E-03
<i>SUFU</i>	rs12573474	8.93E-06	6.12E-03
<i>HIST1H2BE</i>	rs66972160	9.04E-06	6.19E-03
<i>TRIM15</i>	rs376253	9.91E-06	6.81E-03
<i>PPP1R11</i>	rs2571385	1.16E-05	7.85E-03
<i>RNF39</i>	rs2571385	1.16E-05	7.85E-03
<i>CTB-33G10.11</i>	rs10417980	1.23E-05	8.32E-03
<i>TLR9</i>	rs352139	1.28E-05	8.65E-03
<i>TWF2</i>	rs352139	1.28E-05	8.65E-03
<i>SPCS1</i>	rs35249778	1.69E-05	1.10E-02
<i>CTD-2589M5.5</i>	rs11038864	1.74E-05	1.13E-02
<i>PCGF6</i>	rs116821290	1.74E-05	1.13E-02
<i>RP13-942N8.1</i>	rs10772999	2.17E-05	1.38E-02
<i>SLX1A-SULT1A3</i>	rs4788198	2.20E-05	1.39E-02
<i>SULT1A3</i>	rs4788198	2.20E-05	1.39E-02
<i>AC110781.3</i>	rs7783715	2.48E-05	1.55E-02
<i>HNRNPA1P16</i>	rs216199	2.71E-05	1.68E-02
<i>SMIM4</i>	rs2276834	2.73E-05	1.68E-02
<i>CLIC1</i>	rs805302	3.06E-05	1.87E-02
<i>SMG6</i>	rs8076939	3.15E-05	1.92E-02
<i>MNT</i>	rs9909895	3.18E-05	1.94E-02
<i>RP1-59D14.6</i>	rs9909895	3.18E-05	1.94E-02
<i>CUTA</i>	rs210133	3.38E-05	2.05E-02
<i>PHF1</i>	rs210133	3.38E-05	2.05E-02
<i>CTD-3148I10.9</i>	rs1045567	3.45E-05	2.08E-02
<i>RPS18</i>	rs3135406	3.63E-05	2.19E-02
<i>RP11-457M11.5</i>	rs13215020	3.84E-05	2.31E-02
<i>BTN1A1</i>	rs13215020	4.24E-05	2.52E-02
<i>NKAPL</i>	rs1225715	4.29E-05	2.54E-02
<i>AC073052.1</i>	rs72974219	4.79E-05	2.80E-02
<i>OR2W6P</i>	rs34130214	5.13E-05	2.98E-02
<i>HCG14</i>	rs369136	5.14E-05	2.99E-02
<i>GOLGA6L9</i>	rs75884951	5.23E-05	3.03E-02
<i>RP13-608F4.8</i>	rs75884951	5.23E-05	3.03E-02
<i>HCG25</i>	rs3135406	6.12E-05	3.50E-02

Gene	SNP	P_value	FDR
<i>RP4-778K6.3</i>	rs6968335	6.30E-05	3.59E-02
<i>RILPL1</i>	rs10772999	6.35E-05	3.61E-02
<i>SNRNP35</i>	rs10772999	6.35E-05	3.61E-02
<i>RP1-257I20.13</i>	rs2143139	6.56E-05	3.72E-02
<i>WBP1L</i>	rs4147157	6.86E-05	3.85E-02
<i>HIST1H1PS1</i>	rs198811	6.94E-05	3.90E-02
<i>HIST2H2BD</i>	rs7553622	7.78E-05	4.28E-02
<i>CTC-559E9.6</i>	rs7252981	7.80E-05	4.29E-02
<i>GRAPL</i>	rs66885728	7.83E-05	4.31E-02
<i>SEMA3G</i>	rs11717383	8.94E-05	4.87E-02
<i>APH1A</i>	rs72694955	9.02E-05	4.91E-02

3、pQTL analyses results.

SNP	Protein	Adjusted P
rs3129887	B2M	1.49E-02
rs2442729	C2	1.87E-02
rs3135394		5.66E-03
rs3132931		4.79E-03
rs3096680		1.42E-03
rs3129887		1.14E-03
rs9265998	C4A,C4B	1.92E-02
rs3134792		1.92E-02
rs2442729		1.63E-02
rs1639108		1.34E-02
rs9268659		6.65E-03
rs9271333		5.36E-03
rs2280774		7.54E-04
rs3094005		3.01E-04
rs616187		2.04E-04
rs983561		1.07E-05
rs3129877		1.01E-05
rs3135394		3.48E-06
rs2534679		1.76E-08
rs3129887		1.44E-08
rs389883		3.73E-02
rs9268659		3.26E-02
rs9263927		2.33E-02
rs9276351		1.33E-03
rs2858310		2.47E-05
rs4248168		4.28E-08
rs4713580		1.23E-08
rs2280774		1.08E-24
rs9271333	CD70	3.26E-02
rs2523554	EPHA5	2.75E-02
rs9263927	GZMA	1.19E-04
rs2523554		8.61E-05
rs2678905	GZMB	4.28E-02
rs501220	IFNL2	4.02E-02
rs2523886	LRPAP1	6.59E-03
rs9268659	MICA	3.21E-02
rs760587		2.36E-02
rs3129887		1.36E-02
rs3129055		1.24E-02
rs3117289		7.26E-03
rs2858310		6.46E-03

SNP	Protein	Adjusted P
rs3132505		3.35E-03
rs4248168		1.83E-05
rs3129012		1.73E-05
rs4713580		1.34E-05
rs2523886		7.23E-08
rs3135394		5.18E-08
rs389883		8.09E-09
rs9263927		5.83E-09
rs3094064		4.72E-10
rs3131060		2.93E-10
rs886424		1.96E-10
rs3129984		1.09E-10
rs3094005		1.09E-13
rs9265998		2.15E-14
rs3134792		2.15E-14
rs1639108		3.21E-16
rs2523554		3.96E-21
rs2858310	MICB	4.97E-02
rs2442729		2.22E-02
rs3129887		1.99E-02
rs2523554		1.81E-02
rs3129012		1.75E-02
rs9271333		1.32E-02
rs501220		2.65E-03
rs9276915		1.56E-05
rs9276351		1.65E-06
rs4947350		8.56E-07
rs389883		4.85E-07
rs3094064		6.11E-16
rs2534679		3.09E-17
rs3135394		4.06E-18
rs3129984		1.06E-23
rs3131060		7.09E-24
rs886424		1.08E-24
rs1639108		6.39E-25
rs9265998		4.33E-27
rs3134792		4.33E-27
rs3094005		3.05E-33
rs2280774	MMP8	9.02E-04
rs1639108	MMP9	2.36E-02
rs3094005	PRSS3	4.89E-02
rs3132505		1.73E-02
rs3135394		6.63E-03

SNP	Protein	Adjusted P
rs5004276		4.89E-03
rs2523554	RB1	3.10E-02
rs9276351	ROBO3	7.17E-03
rs4248168	SERPIND1	3.69E-02
rs2056924	TNFRSF14	4.89E-02