

Top promoter[SNPs in top promoter]	Linkage	Corrected coexpression score	FDR
p94@APOB [rs1801701]		0.77	0.0
p@chr17:64210704..64210723,+ [rs1801689]		0.73	0.0
p3@ABCG5 [rs11887534]		0.66	0.0
	rs11887534:rs13395550 D'=0.25; r <sup>2</sup> =0.06. enhancer@chr2:44007303-44007575 [rs13395550]	0.06	0.87
p2@ENST00000518619 [rs9987289, rs4841132]		0.64	0.0
	rs9987289:rs7357361 D'=1.0; r <sup>2</sup> =0.57. enhancer@chr8:9219931-9220273 [rs7357361];rs4841132:rs7357361 D'=1.0; r <sup>2</sup> =0.57. enhancer@chr8:9219931-9220273 [rs7357361]	0.21	0.46
p2@ASCC2 [rs4823054]		0.57	0.0
p1@APOA5 [rs651821]		0.55	0.0
p6@HNF1A-AS1 [rs1169286]		0.54	0.0
	rs1169286:rs2258287 D'=0.68; r <sup>2</sup> =0.39. p1@C12orf43 [rs2258287]	0.18	0.55
p@chr19:19616795..19616800,+ [rs1063966]		0.53	0.0
	rs1063966:rs4808967 D'=1.0; r <sup>2</sup> =1.0. p@chr19:19640454..19640461,+ [rs4808967]	0.24	0.36
p2@LPIN3 [rs6029636]		0.53	0.0
p@chr16:72075048..72075055,- [rs9932951]		0.52	0.0
	rs9932951:rs3213422 D'=0.29; r <sup>2</sup> =0.08. p1@DHODH [rs34270657, rs3213422]	0.43	0.03
p2@NPC1L1 [rs41279633, rs17655652]		0.51	0.0
	rs17655652:rs732797 D'=0.92; r <sup>2</sup> =0.4. p@chr7:44646674..44646689,+ [rs732797]	0.17	0.57
p@chr1:109727753..109727759,+ [rs12239854]		0.49	0.0
p1@SPC24 [rs892114, rs7251031]		0.47	0.01
p1@FRK [rs1999929]		0.45	0.02
p3@SLC22A1 [rs12208357]		0.43	0.04
p4@HMGCR [rs3761740]		0.42	0.05
p12@TRIB1 [rs17405319]		0.42	0.05
p1@FEN1 [rs174538, rs412334]		0.41	0.05
	rs174538:rs412334 D'=1.0; r <sup>2</sup> =0.07. p4@C11orf10 [rs412334];same SNP, different promoter: p4@C11orf10 [rs412334]	0.12	0.72
p5@ABCA1 [rs1800978]		0.39	0.07
p3@TIRAP [rs10893493]		0.37	0.1
	rs10893493:rs638433 D'=0.96; r <sup>2</sup> =0.92. enhancer@chr11:126180283-126180636 [rs638433]	0.19	0.53
p@chr1:63112277..63112278,+ [rs1168085]		0.37	0.1
p@chr2:121310959..121310964,- [rs940688]		0.36	0.11
p7@PCSK9 [rs11591147, rs11583680]		0.35	0.12
p3@HAVCR1 [rs67960962]		0.35	0.12
	rs67960962:rs6882076 D'=0.83; r <sup>2</sup> =0.31. p1@TIMD4 [rs6882076]	0.07	0.87
p@chr9:136154265..136154271,- [rs579459, rs649129]		0.34	0.14
chr19:19488822..19488846,+ [rs12973258]		0.33	0.16
chr6:160770176..160770186,- [rs539298]		0.33	0.16
p4@TAP2 [rs241448, rs241447, rs241452]		0.33	0.17
p@chr19:45411878..45411884,- [rs7412]		0.31	0.2
p3@C6orf10 [rs6913309]		0.31	0.21
	rs6913309:rs13218331 D'=0.87; r <sup>2</sup> =0.44. p@chr6:32411190..32411212,- [rs13218331]	0.26	0.31
p@chr8:145010972..145010996,- [rs6993938]		0.3	0.21
p@chr19:45242420..45242462,+ [rs1531517]		0.3	0.21
	rs1531517:rs10422182 D'=0.62; r <sup>2</sup> =0.22. p@chr19:45159154..45159158,+ [rs10422182]	0.09	0.82
chr19:11031515..11031547,+ [rs2288842]		0.29	0.23
	rs2288842:rs11085749 D'=1.0; r <sup>2</sup> =0.61. p@chr19:10961151..10961183,+ [rs11085749]	0.17	0.57
p4@SH2B3 [rs739496]		0.29	0.23
p@chr2:136594382..136594389,+ [rs2236783]		0.29	0.23
p1@NAT2 [rs4646246]		0.29	0.24
enhancer@chr20:34127589-34128004 [rs2104417]		0.27	0.31
p5@RBM12 [rs6121015]		0.26	0.31
p31@CORO1C [rs3741782]		0.26	0.31
p23@USP1 [rs646179]		0.25	0.36
p4@GSTM4 [rs1010167]		0.23	0.42
p16@HLX [rs17597773]		0.23	0.42
p@chr6:32658073..32658091,- [rs9469220]		0.22	0.44
p12@PLCG1 [rs6124323]		0.21	0.48
p@chr1:25756820..25756837,+ [rs9438904]		0.2	0.49
p@chr6:31239406..31239455,+ [rs9264664]		0.2	0.51
p1@POC5 [rs2291630]		0.19	0.53
	rs2291630:rs2047059 D'=1.0; r <sup>2</sup> =0.64. p2@POC5 [rs2047059]	0.14	0.69
	rs2291630:rs7715806 D'=0.95; r <sup>2</sup> =0.39. enhancer@chr5:75034241-75034569 [rs7715806]	0.1	0.76
	rs2291630:rs34358 D'=1.0; r <sup>2</sup> =0.47. p@chr5:74965139..74965165,+ [rs34358]	0.08	0.82
p1@SLC44A4 [rs605203]		0.19	0.53
chr20:39634184..39634189,- [rs1000410]		0.17	0.57
enhancer@chr16:56985400-56985562 [rs72786786, rs12448528]		0.17	0.57
p@chr1:63266602..63266609,- [rs11208033]		0.17	0.57
chr19:10742301..10742328,+ [rs2288904, rs1560711]		0.15	0.63
p@chr12:112212004..112212016,+ [rs2238151]		0.15	0.64
p@chr2:216286925..216286942,- [rs1250248]		0.13	0.7
enhancer@chr14:94813306-94813452 [rs926144]		0.13	0.7
p4@FUT1 [rs838136]		0.13	0.7
p3@SPTY2D1 [rs7943121]		0.12	0.7
enhancer@chr5:74805918-74806308 [rs5744533]		0.11	0.76
p@chr10:113928643..113928689,- [rs2803616]		0.11	0.76
p1@ENST00000364447 [rs1003116]		0.1	0.78
enhancer@chr19:46018095-46018753 [rs7255743]		0.08	0.82
enhancer@chr2:136816831-136817220 [rs749873]		0.08	0.85
p@chr3:12704990..12705013,- [rs904453]		0.07	0.85

p@chr11:117075245..117075293,- [rs508487]	0.06	0.87
enhancer@chr1:109754796-109754995 [rs187413240]	0.06	0.87
enhancer@chr11:61713558-61713889 [rs1534842]	0.06	0.87
p@chr6:16131425..16131449,+ [rs2235215, rs2066905]	0.06	0.87
enhancer@chr8:59311673-59312115 [rs1030431]	0.05	0.88
p@chr2:135893438..135893485,+ [rs10445686]	0.04	0.92
enhancer@chr6:34663389-34663600 [rs3800457]	0.04	0.92
enhancer@chr1:92668364-92668570 [rs3131816]	0.03	0.92
p3@C17orf57 [rs2271803]	0.03	0.92
p@chr5:74964235..74964256,+ [rs7715739, rs369034591]	0.02	0.96
p1@ATXN2 [rs695871]	0.02	0.96
p@chr6:32078154..32078167,- [rs3807039]	0.02	0.96
enhancer@chr1:25802039-25802147 [rs66844552]	0.01	0.96
p@chr6:31512638..31512648,- [rs2071593]	0.0	1.0