

Top promoter[SNPs in top promoter]	Linkage	Corrected coexpression score	FDR
p@chr5:131820136..131820148,- [rs2070727]		0.68	0.0
enhancer@chr2:61112067-61112568 [rs6545835]		0.62	0.0
p@chr1:67896878..67896883,+ [rs3762313, rs3762314]		0.61	0.0
enhancer@chr5:40486540-40486993 [rs7720838]		0.57	0.0
p4@TAP2 [rs241448, rs241447, rs241452, rs17034, rs241451, rs241449]		0.55	0.0
enhancer@chr22:30591785-30593544 [rs713875]		0.52	0.0
p@chr6:31240851..31240879,- [rs7759127]		0.52	0.0
p@chr10:35484899..35484906,- [rs1057108]		0.49	0.0
p@chr17:32635480..32635483,- [rs16969454]		0.48	0.0
p@chr17:37970009..37970013,- [rs9909593]		0.46	0.0
enhancer@chr15:67468171-67468380 [rs17294280]		0.44	0.0
enhancer@chr14:88472465-88473193 [rs8005161]		0.43	0.0
enhancer@chr10:82253401-82253904 [rs7900536]		0.41	0.0
p1@DAP3 [rs1058207]		0.41	0.0
p@chr6:32405128..32405175,- [rs3135395]		0.41	0.01
p1@RPL37 [rs10065570]		0.38	0.01
enhancer@chr21:45627966-45628150 [rs2838522]		0.38	0.01
p@chr14:69261497..69261515,+ [rs2236262]		0.34	0.02
p@chr2:43521231..43521252,+ [rs1322]		0.34	0.03
p8@LNPEP [rs2351010]		0.32	0.03
p1@C6orf48 [rs9368699]		0.32	0.03
enhancer@chr1:206939730-206940044 [rs3024505]		0.32	0.03
p3@CISD1 [rs2790189]		0.31	0.04
p@chr2:102931037..102931044,+ [rs12712135]		0.29	0.08
p@chr20:62366061..62366072,+ [rs2427533]		0.28	0.09
p@chr10:64397428..64397447,- [rs16917546, rs10761652]		0.27	0.09
p4@CD244 [rs12036607, rs7410867, rs12036670]		0.26	0.12
p@chr1:7886661..7886674,+ [rs697693]		0.23	0.2
p21@SEC16A [rs3812591]	rs3812591:rs3812584 D'=1.0; r ² =0.38. p3@PMPCA [rs3812584]	0.23	0.2
		0.17	0.36
p@chr10:81053715..81053725,+ [rs1250560, rs1250559]		0.23	0.22
enhancer@chr2:43745392-43745589 [rs10189235]		0.22	0.23
p1@RNU86 [rs12484030]		0.22	0.23
p1@AK131570 [rs9252]		0.22	0.23
p3@SCAMP3 [rs1046188]		0.21	0.25
p@chr3:49360037..49360041,- [rs9873994]		0.19	0.29
p6@HIPK1 [rs3811019]		0.19	0.29
enhancer@chr1:155951073-155951535 [rs1889532]		0.19	0.29
enhancer@chr6:159514738-159514976 [rs654690]		0.19	0.31
p@chr6:31543810..31543821,- [rs3093661]		0.18	0.33
p3@TNXB [rs8283]		0.18	0.34
enhancer@chr6:167411692-167411848 [rs239935]		0.18	0.34
p1@ENST00000431069 [rs3780373]		0.17	0.35
enhancer@chr1:155433776-155433971 [rs12724079]		0.16	0.38
p7@RBM6 [rs6772095]		0.16	0.41
p2@uc001ff.2 [rs2048431]		0.15	0.44
p@chr6:32186154..32186158,- [rs438475]		0.14	0.46
p@chr1:200877847..200877851,+ [rs7554511]		0.13	0.54
enhancer@chr6:20811412-20811642 [rs9465900]		0.12	0.55
p2@ATP2A1 [rs3888190]		0.12	0.55
p14@PADS1 [rs174548]		0.12	0.55
p1@RBM5 [rs2247510]		0.12	0.55
p3@GON4L [rs3820594]		0.1	0.62
chr16:50668341..50668342,+ [rs12913]		0.09	0.62
enhancer@chr5:158848054-158848257 [rs4921496]		0.09	0.62
p4@SLC9A4 [rs4851011]		0.09	0.63
p1@ZNF300 [rs7724036]		0.09	0.63
p@chr5:158705320..158705331,+ [rs12520035]		0.09	0.64
p13@DGKD [rs838718]		0.08	0.65
p2@TNFRSF6B [rs2297441]	rs2297441:rs11696871 D'=0.96; r ² =0.61. chr20:62387380..62387381,- [rs11696871]	0.08	0.68
		0.01	0.97
p2@NKX2-3 [rs10883371]		0.06	0.74
p5@LRRK2 [rs1388597]		0.05	0.8
p1@SCARNA5 [rs3792109]		0.04	0.86
p@chr3:49570849..49570853,+ [rs1050088]	rs1050088:rs3811697 D'=1.0; r ² =0.32. p@chr3:49591052..49591057,+ [rs3811697]	0.03	0.91
		0.02	0.92
p9@EBF1 [rs7442701]		0.03	0.91
enhancer@chr16:50554457-50554868 [rs12930566]		0.02	0.92
p1@GTF2H4 [rs2074510]		0.02	0.92
p@chr6:134637878..134637882,- [rs6923743]		0.0	1.0

Cell type	RRA p	FDR
CD14pos Monocytes	1.8e-17	0
Peripheral Blood Mononuclear Cells	2.8e-14	0
CD14 monocytes treated with Trehalose	4.7e-14	0
CD14 monocytes treated with BCG	7.4e-14	0
CD14 monocytes treated with Candida	8.2e-14	0
CD14 monocytes treated with Group A streptococci	9.5e-13	0
CD14 monocytes treated with Salmonella	9.7e-13	0
Basophils	1.7e-12	0
CD14 monocytes treated with IFN Nhexane	2e-09	0
CD14pos CD16pos Monocytes	2e-09	0
CD4 CD25CD45RA memory conventional T cells	1.5e-08	0
Natural Killer Cells	7.3e-08	0
CD4 T Cells	7.4e-07	0
CD14neg CD16pos Monocytes	3.7e-05	0
CD14 monocytes treated with lipopolysaccharide	8e-12	0.0039
CD8 T Cells pluriselect	5.6e-05	0.0073
CD34 Progenitors	1.4e-06	0.0087
CD19 B Cells	1.1e-05	0.0087
CD14 monocytes mock treated	3.4e-05	0.0087
Dendritic Cells plasmacytoid	0.00069	0.0087
CD14 monocytes treated with Bglucan	6.6e-08	0.011
CD14 monocytes treated with Cryptococcus	1e-06	0.015
CD4 CD25 CD45RA memory regulatory T cells expanded	0.0085	0.015

CD8 T Cells	3.2e-05	0.019
CD14pos CD16neg Monocytes	0.00072	0.021
CD4 CD25 CD45RA memory regulatory T cells	0.0017	0.039