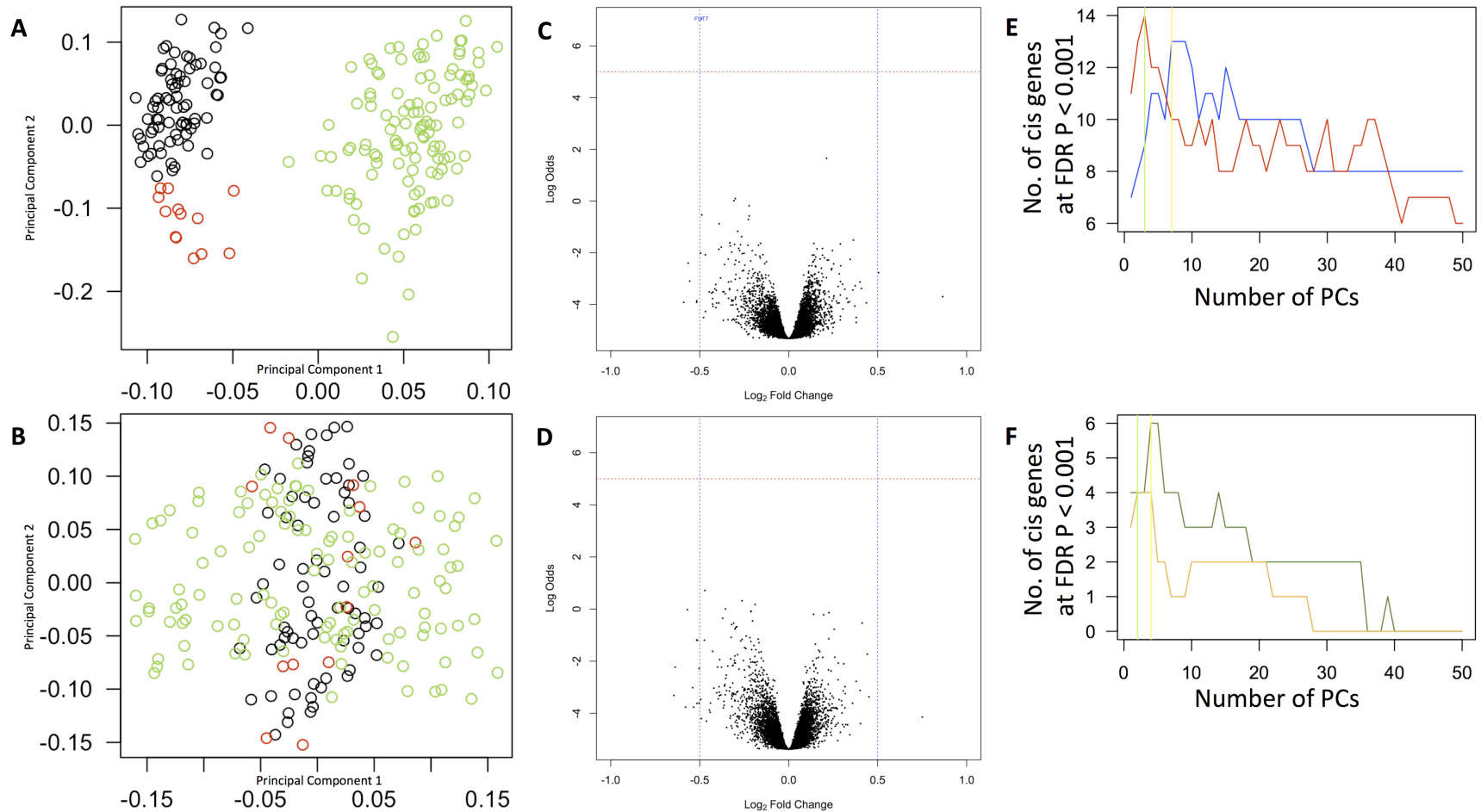


SUPPLEMENTARY INFORMATION



1
2
3 **Supplementary Figure 1. Principle component analysis of EBV-B basal cell samples.** Analysis of principle components that define
4 batch effects: (A) A cross plot between PC1 and PC2 that separate the samples into three technical batches in which samples were
5 processed (B) A cross plot between PC1 and PC2 after batch effect removal. **Comparison of gene expression in EBV-B cells from**
6 **cases and controls.** Analysis of differential gene expression in (C) unstimulated and (D) PMA-stimulated B-EBV-B cells from cases
7 (n=136) and controls (n=25). Differences (log₂ fold change) in gene expression are shown on the X axis; Y axis shows B score (30).
8 **PCA analysis for detecting eQTLs at FDR P < 0.001.** (E) Blue and red line corresponds to EBV-B basal and PMA stimulated cell
9 line samples. The x-axis corresponds to number of PCs added as covariates and y-axis corresponds to number of *cis*-genes identified
10 at FDR P < 0.001 as a result of covariate addition. Threshold lines are drawn at ideal number of PCs as covariate to maximize *cis*-gene
11 identification. (F) Green and orange lines represent CD4+ and CD8+ cell samples. Analysis is repeated similar to that of EBV-B
12 samples.

Supplementary Table I.

Cell type	EBV-B Basal	EBV-B PMA	CD4+	CD8+
N	202	202	102	84
Females	48.5%	47.5%	36.4%	36.6%
Unaffected	46	49	6	6
Affected	156	153	96	78
GAD+	63	63	45	34
IA2+	95	94	42	36
TPO+	60	59	20	15
TG+	11	10	4	4
OH21+	2	2	1	0
ATPASE+	45	44	10	9
Total AB+	134	131	71	57
HLA DR34	26	26	30	24
HLA DR4X	126	123	42	36
HLA DR3X	4	4	15	12
HLA DRXX	0	0	5	5

(i). Summary of Gender, HLA and auto-antibody statuses of samples utilized in this study.

FDR P		EBV-Basal		EBV-PMA		CD4+		CD8+	
		RUV	PCA	RUV	PCA	RUV	PCA	RUV	PCA
<i>Cis</i>	P < 0.001	20	13	17	14	11	6	9	4
	P < 0.05	36	28	37	21	20	15	19	8
<i>Trans</i>	P < 0.001	29	22	47	22	29	23	30	26
	P < 0.05	1071	57	1605	37	60	25	66	33

(ii). Table compares number of cis and trans genes identified by correction methods RUV-2 and PCA at FDR P value thresholds 0.001 and 0.05.

ID	T1D SNPs	Gene	Functional variants in LD ($r^2 > 0.8$)	P- value of T1D SNP	P-value of Func. SNP
32	rs10877012	<i>TSFM</i>	rs2014886 (splice donor)	0.44	N/A
42	rs4788084	<i>ATXN2L</i>	rs55719896 (splice acceptor)	0.0001	2.59x10 ⁻⁵
45	rs2290400	<i>GSDMB</i>	rs11078928 (splice acceptor)	0.0017	0.0006
51	rs679574	<i>FUT2</i>	rs601338 (stop gain)	3.59x10 ⁻⁶	N/A

(iii). Splice-region and stop-gain variant SNPs found in LD ($r^2 > 0.8$) with 4 T1D loci. T1D loci identifiers as in Table I. N/A – SNP genotypes not available

Supplementary Table II.

ID	TID SNP (Effect allele)	Gene	EBV-B basal	EBV-B PMA	CD4+	CD8+
1	rs2269241 (C)	<i>PGM1</i>	ns	↓*	ns	ns
6	rs2165738 (C)	<i>SF3B14</i>	↓*	ns	ns	ns
7	rs363609 (C)	<i>NCOA1</i>	ns	↑*	ns	ns
7	rs363609 (C)	<i>AUPI</i>	↑*	ns	ns	ns
8	rs9653442 (C)	<i>CHST10</i>	ns	↓**	ns	ns
9	rs6543134 (C)	<i>IL18RAP</i>	ns	ns	ns	↑**
11	rs231727 (T)	<i>CTLA4</i>	ns	ns	ns	↓*
17	rs597325 (C)	<i>ANKRD6</i>	ns	↓*	ns	ns
19	rs2327832 (C)	<i>HEBP2</i>	↓*	ns	ns	ns
20	rs1738074 (C)	<i>TCPI</i>	ns	ns	↓*	ns
23	rs7020673 (C)	<i>GLIS3</i>	ns	↓*	ns	ns
23	rs10758593 (T)	<i>PPAPDC2</i>	ns	ns	↓*	ns
25	rs947474 (C)	<i>PFKFB3</i>	↑**	↑*	ns	ns
26	rs722988 (C)	<i>ITGB1</i>	ns	ns	ns	↑**
27	rs10509540 (T)	<i>PTEEN</i>	ns	ns	ns	↓**
27	rs3764021 (T)	<i>CLEC2B</i>	↑**	ns	ns	ns
29	rs10466829 (T)	<i>CD69</i>	↑**	ns	ns	ns
		<i>DDX12</i>	↓*	ns	ns	ns
30	rs705704 (T)	<i>CLEC1A</i>	ns	ns	↓*	ns
		<i>PA2G4</i>	↑*	ns	ns	ns
		<i>STAT2</i>	↓*	↓**	ns	ns
30	rs2292239 (T)	<i>ESYT1</i>	ns	↓*	ns	ns
		<i>ATP5B</i>	↓*	ns	ns	ns
32	rs10877012 (C)	<i>BLOC1S1</i>	ns	ns	↓**	ns
		<i>TSPAN31</i>	ns	ns	↑**	↑**
33	rs1265565 (T)	<i>SLC26A10</i>	ns	ns	ns	↑*
		<i>HVCN1</i>	ns	↑*	ns	ns
34	rs17696736 (C)	<i>TMEM116</i>	ns	↓*	ns	ns
		<i>OAS2</i>	↑**	ns	ns	ns
		<i>SH2B3</i>	ns	↑**	ns	ns
42	rs4788084 (C)	<i>CL2ORF30</i>	ns	ns	ns	↓*
		<i>IL27</i>	ns	↓*	ns	ns
45	rs2290400 (T)	<i>CCR7</i>	ns	↑*	ns	ns
46	rs7221109 (C)	<i>MED24</i>	↑*	ns	ns	ns
		<i>KRT9</i>	↑*	ns	ns	ns
47	rs1893217 (C)	<i>PTPN2</i>	↓*	ns	ns	ns
49	rs2304256 (C)	<i>PDE4A</i>	ns	↓*	ns	ns
51	rs679574 (C)	<i>CD37</i>	ns	ns	ns	↓*
53	rs11203203 (T)	<i>WDR4</i>	ns	↓*	ns	ns
		<i>UCRC</i>	↓**	↓*	ns	ns
54	rs5753037 (T)	<i>EWSR1</i>	↓*	ns	ns	ns
		<i>NIPSNAP1</i>	ns	↑*	ns	ns
55	rs229541 (T)	<i>APOL2</i>	↑*	ns	ns	ns
58	rs2611215 (A)	<i>TMEM192</i>	↓**	ns	ns	ns

(i) List of *cis* gene interaction detected at below FDR $P < 0.05$. ** $P < 0.01$, * $P < 0.05$, ns – not significant, ↓ risk allele decreases expression, ↑ risk allele increases expression

CHR	TID SNP	<i>Trans</i> genes identified at FDR $P < 0.01$
1p31.3	rs2269241	<i>C4orf34, OPTN, RPL34, TP53TG1, WDR33, ZNF786</i>
1q31.2	rs2816316	<i>FGR</i>
2p24.3	rs1534422	<i>C1orf226, PLAC1, RHOBTB2, ST6GAL1</i>
2p23.3	rs2165738	<i>AASDH, CCDC106, GABPB2, SLC2A5</i>
2p13.1	rs363609	<i>EIF2B2, LOC645018, TLR10</i>
2q11.2	rs9653442	<i>SCAPER</i>
2q12.1	rs6543134	<i>ADK, FANCE, FXR2, LOC728532, MAPK13, PRRT3, TNFRSF8</i>
2q24.2	rs1990760	<i>JUND, LOC392285, LOC643997, LOC649946, OMA1, REL</i>
2q24.2	rs3747517	<i>LOC649946, UFM1</i>
2q33.2	rs11571291	<i>CCDC86, LOC729148, RYK, ST6GALNAC4, TDPI, TJAPI, TMUB2, ZNF549</i>
2q33.2	rs3087243	<i>LOC729148, SENP6, TDPI, TMUB2, ZNF549</i>
2q33.2	rs231727	<i>BIRC2, FADS2, MOBKL2A, TDP1, ZNF549, ZNF69</i>
2q35	rs3731865	<i>C1orf106, CENPM, DYNC1H1, FEZ1, ID3, JAM2, NOTCH1, SLAMF6</i>
3p21.31	rs11711054	<i>C11orf73, G3BP1, GRAMD1B, NME4, SLC35B2</i>
4p15.2	rs10517086	<i>HMGB1L1</i>
4q27	rs4505848	<i>ATG9A, CDC2L5, NT5DC3, PDCD10, SIX3</i>
4q27	rs17388568	<i>SIX3</i>
4q27	rs2069763	<i>ATG9A, CDC2L5, PDCD10, SIX3</i>
5p13.2	rs6897932	<i>ARHGAP17, BCL7C, CDC42EP5, GLDC, KLF10, MNX1</i>
6q15	rs597325	<i>NT5E, TBC1D9, TNK1</i>
6q15	rs56297233	<i>DBI, EDEMI, LRP5L, NR2F2</i>
6q22.32	rs9388489	<i>C18orf56</i>
6q23.3	rs2327832	<i>CHD2, PCCA</i>
6q23.3	rs10499194	<i>EHD1, LOC728661, TUBB6</i>
6q25.3	rs1738074	<i>EXOSC7, LOC388436</i>
7p15.2	rs7804356	<i>GPM6A, LHX3, NCAPD2, NME7, POLA2, RRP15, SAR1B, SEC61G, SERPIN A9, SLC39A8, SPAG1, TYMS</i>
7p12.2	rs10272724	<i>HESI, SGCE, SMAP1</i>
9p24.2	rs7020673	<i>FHL3, LOC646939, PLCB2</i>
9p24.2	rs10758593	<i>PICALM, ZNF695</i>
10p15.1	rs12251307	<i>C14orf68, CAMK2D, DERA, SASS6, ZNF326</i>
10p15.1	rs947474	<i>GLB1, MEIS2, NOL12, PTP4A3</i>
11p15.5	rs7928968	<i>TLCD1</i>
11p15.5	rs3842727	<i>CD276, ID2, LOC347292, NLRP2, TRIP6</i>
11p15.5	rs7111341	<i>FCGR2A, G3BP1, TUBB4Q</i>
12p13.31	rs3764021	<i>SNORA24, SPDYA, SYNE2</i>
12p13.31	rs10466829	<i>COCH, NFATC1, SNORA24, SPDYA, SYNE2</i>
12q13.2	rs705704	<i>HES4, IP6K2, LOC100129552, LOC389386, LOC641768, LOC728823, LOC728873, LOC92659, MIR130A, MIR1471, RPS26P10, RPS26P11, RTTN</i>

(ii) List of all *trans* gene interaction detected at below FDR $P < 0.01$ in cells tested.

... cont

CHR	TID SNP	<i>Trans</i> genes identified at FDR $P < 0.01$
12q13.2	rs11171739	<i>IP6K2, LOC100129552, LOC389386, LOC641768, LOC728823, LOC728873, LOC92659, MIR130A, MIR1471, OASL, RPS26P10, RPS26P11</i>
12q13.2	rs2292239	<i>DDIT4, IP6K2, LOC100129552, LOC389386, LOC641768, LOC728823, LOC728873, LOC92659, MIR130A, MIR1471, NRP2, RPS26P10, RPS26P11</i>
12q13.3	rs3809114	<i>BEX5, LITAF, SLC9A3R1, SNRNP25</i>
12q14.1	rs10877012	<i>ECGF1</i>
12q24.12	rs1265565	<i>DCUN1D5, NCOA7, ZMYM5</i>
12q24.12	rs3184504	<i>EIF2AK2, NCOA7, TBX15, TPCN2, UBE2L6</i>
12q24.13	rs17696736	<i>IFI16, IRF8, MIA3, NCOA7, SPI10, TBX15</i>
13q32.3	rs9585056	<i>AHCTF1, CKS2, IFIH1, MARCKS, MRPL35</i>
14q24.1	rs1465788	<i>CCDC50, DLGAP4, LHFP, SRM</i>
14q32.2	rs4900384	<i>EIF5B, PLP2, RASSF6, RBMS1, SSPN</i>
14q32.2	rs56994090	<i>BATF, TXNRD2</i>
15q14	rs17574546	<i>FBXO48, HES4, LUZP1, NAT9, NSBP1</i>
15q14	rs12908309	<i>BCL2L1, CD99, ELL3, FAHD1, HMHB1, JAM2, RNF13, STAT5A, TMC01, ZMAT5</i>
15q25.1	rs3825932	<i>ASNS, CLDN12, MORF4L2, PCK2, SLC1A5, TRIT1, UBXN2A</i>
16p13.13	rs12708716	<i>CSTF3, LOC642828, SAFB, SNRNP25</i>
16p13.13	rs12927355	<i>CSTF3, LARP7, LOC642828, SMOX, SNRNP25, TAF1D, VAMP4</i>
16p13.13	rs416603	<i>BHLHB2, CD86, DAP, IL10RA, OXTR, SORL1</i>
16p11.2	rs4788084	<i>PRKDC</i>
16p11.2	rs9924471	<i>DUSP5, LOC440926, LRRC33, PHC2, RRP7A, ZNF681</i>
16q23.1	rs7202877	<i>FAM71F2, LOC100134708</i>
16q23.1	rs8056814	<i>HS.467627</i>
17p13.1	rs16956936	<i>HLA-DRB4</i>
17q12	rs2290400	<i>TEX9</i>
17q21.2	rs7221109	<i>SMAD7, USP14</i>
18p11.21	rs1893217	<i>CDC2L5, KDM3B, MCM3AP, PDGFA</i>
18q22.2	rs763361	<i>ATM, IL16, P2RY11, RIOK1, TADA2A</i>
19p13.2	rs2304256	<i>CAMKK2, USP24, ZNF280D</i>
19q13.32	rs425105	<i>ACP5, C6orf72, CCL5, CYBRD1, GAPDHL6, LRIG1, PIK3R6, PSMC4, PTK7, SALL2, SLAIN1</i>
19q13.33	rs679574	<i>EIF5A, HLA-DRB4, HLA-H, SLFN11, TMEM55A, ZC3HC1</i>
20p13	rs2281808	<i>BRD3, DDX41, MAPKAPK3, MED4, SLFN11, WTAP</i>
21q22.3	rs11203203	<i>PRKAR1B</i>
21q22.3	rs876498	<i>CAT, CYBRD1, PRKAR1B</i>
22q12.2	rs5753037	<i>ABCA6, ANXA6, CCDC53, SLC35B2</i>
22q12.3	rs229541	<i>BIRC3, SV2B</i>

(ii) List of all *trans* gene interaction detected at below FDR $P < 0.01$ in cells tested.

Supplementary Table III.

TID Locus	TID SNP	Trans Genes identified at FDR P between 0.01 - 0.05	TID Locus	TID SNP	Trans Genes identified at FDR P between 0.01 - 0.05	TID Locus	TID SNP	Trans Genes identified at FDR P between 0.01 - 0.05	TID Locus	TID SNP	Trans Genes identified at FDR P between 0.01 - 0.05																					
1p31.3	rs2269241	ACER1, BCAT1, BCL11A, BSDC1, C17orf97, C1orf94, CCL5, CD1D, DCN2, DEFB3, DNAJB11, EIF1B, ELFP3, GDI1, GINS3, JHDM1D, KCRD, LOC281908, LOC401321, LOC653748, LRRM1, LZYL1, METTL3, MTR, NELL2, PHF, PLOD3, POLR3B, PRL23, RPL36, RPL6, SEC13, SNRPB, SNX1, TROK2, TRAP1, WDR41, WDR1, WRB, CXCR7, DNAJB9, DNMT3B, DTD1, ERF1, FKBP9, HLA-H, HLA-I, KDELR3, LOC402057, LOC730074, PRRG4, RAB4B, RPL2L21, TAP2, TP53INP1, TTC5	2q33.2	rs11571291	ACTN1, AEB, ALG13, AUH, BAG3, BCL2, BRMS1L, BSG, BTBD12, C11orf67, C11orf68, CDKN1A, CHIL1, CIAPIN1, CNP2, CPSP1, CRIM1, CTNNA1, DGCR5, FAM1194, FAFM134, FAM65A, IFNAR2, JSD1, KCN, LOC1012828, LRMP, MDR34, MTDH, NIPSNAP1, NRXN1, PLX1, PPP1R14, RADS1C, RBPMS2, RNF109, SEMP, SF3A1, SFRS14, SPATA13, SRD5A3, STARD3, TBX15, TCF15, TGFBI1, TNFRSF14, UTP1, ZBED2, ZNF69	4q27	rs2069763	ACY1, ADCY7, AMFR, APBA3, ARHGAP4, BCL2L1, BET1, C14orf166, C11orf63, C11orf64, COPPS, CSRP2, CYP20A1, DT3X, ENPP4, FOXO4, GCA, GCE2, HERPUD1, IL13RB1, IL7, IRP7, KPN2, LOC10013023, LOC401014, LOC645387, LOC645388, LOC64698, LOC728139, LTB, LYPAL1, MCART1, MRPL4, MRPS22, MTR1, NKTR, NTSDC3, NUBB, OFD1, PANX1, PDKP1, PHIC1, PHIF19, PRKCE, PRRT3, PSDM6, RHOG, RNF121, TRKD, SAFB, SEC11C, SECC1B2L, SIX3, SNHG1, ST7, SUV39H1, TMM23, TMEM145, TPST1, ZNF189	4q32.3	rs2611215	C17orf40, C12orf30, ML15, SXP1	5p13.2	rs6897932	ARHGAP17, C1orf94, C1orf97, C2orf73, CHD1, CNR1, COMMD3, FAMIL1A, FLYWCH1, IL17R, LOC196752, LOC403287, LYPD8F, MTM1E, MYL10, PIM3, PMSB, PTPR, RGS20, SLEN1, WDR19	5p13.2	rs11954020	IL22RA2, LOC392787	10p15.1	rs12251307	ARL6P5, C11orf63, C11orf7, CTNNA1, EDEM1, FAM18B, FER1L3, FSCN1, GRIN1, LRIG1, LRPL5, MYO6, NR2F2, OTUD4, P4HAI1, RAB15, TRCE, TMSF2, TMEM154, TNK1, TRAK1	1q32.1	rs2816316	BRD4, C8orf73, CCL4L1, DHRS9, FGR, F7U4, G3BP1, GMEB2, KIAA0556, LINC, LOC10013474, PHW14, PLA, RAR1P2, SCAND1, SPTAN1, TATN2, TUBGCP2, WDR75, ZNF329	2q33.2	rs3087243	ARHGAP17, C1orf94, C1orf97, C2orf73, CHD1, CNR1, COMMD3, FAMIL1A, FLYWCH1, IL17R, LOC196752, LOC403287, LYPD8F, MTM1E, MYL10, PIM3, PMSB, PTPR, RGS20, SLEN1, WDR19	5p13.2	rs11954020	IL22RA2, LOC392787	10p15.1	rs12251307	ARL6P5, C11orf63, C11orf7, CTNNA1, EDEM1, FAM18B, FER1L3, FSCN1, GRIN1, LRIG1, LRPL5, MYO6, NR2F2, OTUD4, P4HAI1, RAB15, TRCE, TMSF2, TMEM154, TNK1, TRAK1
1q32.1	rs3024493	ABC64, ATG9A, DNMC3, LOC642361, LOC644725, LOC645262, MYO1C, TNSA2, ZNF37A, ZNF995, ZPBP2	2q33.2	rs3087243	ARHGAP17, C1orf94, C1orf97, C2orf73, CHD1, CNR1, COMMD3, FAMIL1A, FLYWCH1, IL17R, LOC196752, LOC403287, LYPD8F, MTM1E, MYL10, PIM3, PMSB, PTPR, RGS20, SLEN1, WDR19	5p13.2	rs11954020	IL22RA2, LOC392787	10p15.1	rs12251307	ARL6P5, C11orf63, C11orf7, CTNNA1, EDEM1, FAM18B, FER1L3, FSCN1, GRIN1, LRIG1, LRPL5, MYO6, NR2F2, OTUD4, P4HAI1, RAB15, TRCE, TMSF2, TMEM154, TNK1, TRAK1																					
1q32.1	rs6691977	TRPC6	2q33.2	rs3087243	ARHGAP17, C1orf94, C1orf97, C2orf73, CHD1, CNR1, COMMD3, FAMIL1A, FLYWCH1, IL17R, LOC196752, LOC403287, LYPD8F, MTM1E, MYL10, PIM3, PMSB, PTPR, RGS20, SLEN1, WDR19	5p13.2	rs11954020	IL22RA2, LOC392787	10p15.1	rs12251307	ARL6P5, C11orf63, C11orf7, CTNNA1, EDEM1, FAM18B, FER1L3, FSCN1, GRIN1, LRIG1, LRPL5, MYO6, NR2F2, OTUD4, P4HAI1, RAB15, TRCE, TMSF2, TMEM154, TNK1, TRAK1																					
2p24.3	rs1534422	AFARP1, CCDC106, CD69, DDR2, DNHL1, FCRLB, FGFR1L, GPR81, HESX1, IL20RB, ITGB1BP1, LOC782725, OLFML2, SPAN1, SNTB2, STG6A2, TRC4A, ZNF462, ZNF963	2q33.2	rs2313727	AES, AMOT, ANKRD50, C1orf94, CACNB3, CCN1L1, CLC1T, COPPS, DGCR5, DNAE2, LOC10012838, LOC10013083, LOC401252, LRAP, MIR491, NRXN2, OSGE, PKC3A, RAB13, RADS1C, RDH10, ZNF10, SENP6, SH3BP1, SLC35A1, SMCA, TRF10, TNFSF12, VRK1, WHSC1L1, ZM473, ZNF394	6p15	rs597325	ZNF187, ZNF266, ZNF394, ZNF493, ZNF69	6p15	rs597325	ZNF187, ZNF266, ZNF394, ZNF493, ZNF69																					
2p23.3	rs2165738	ALIS2, ATM, C17orf70, C1orf91, CTPS2, DDIT1, DHX36, GRAMD10, GRPR, LITAF, LOC10012958, LOC653620, LIPN, LSM6, METTL3, PHF5A, PRDM1, PVRIG, RBM33, RORA, SIRT1, SLC37A4, SNORD110, SOSTM1, TBC1D24, TCF19, TNFRSF211, VPS37B	2q35	rs3731865	ARHGDA4, ATP11F, C11orf97, C11orf62, C11orf21, C11orf91, C11orf37, CCDC424, CEND1, CENPM, ENO3, FAM101B, FEZ1, IGFBP, IL16, IL27RA, KIF12, LAGL3S3BP, LITAF, LOC824215, LOC730313, LHO12ICR1, LPHN3, LTB, LYPD6B, MAP3K, MKNK2, N6AMT1, NEK6, NTF5, OMI, PNLDC1, PANGA, PANK1, PMPR, PPR2R2B, PRDM1, SCNN1B, SERPINE1, SH3BP1, SHROOM4, SLC3074, SPIRE1, TCF2, TLE4, TMEM79, TNFRSF17B, TNFSF14, TNFSID1, WIP1	6q15	rs597325	ZNF187, ZNF266, ZNF394, ZNF493, ZNF69	6p15	rs597325	ZNF187, ZNF266, ZNF394, ZNF493, ZNF69																					
2q11.2	rs6534442	ATM, DONSON, HDHD2, LOC283340, MGAT10, OSCAR, PHF16, RNF140, TMR2	6q15	rs597325	ZNF187, ZNF266, ZNF394, ZNF493, ZNF69	6p15	rs597325	ZNF187, ZNF266, ZNF394, ZNF493, ZNF69	6p15	rs597325	ZNF187, ZNF266, ZNF394, ZNF493, ZNF69																					
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2q24.2	rs1990760	ACSL1, ACTR3, ANP32, ANXA2P1, BTG3, C1orf23, CAST, CD164, CKS2, DCUN1D5, DEDD, DHX30, DOLK, EPB412, GDB3, FLYWCH2, GLRX5, IRF1, KIF3B, LCM1, LOC100130154, LOC100132499, LOC100134504, LOC413115, LOC392285, LOC423232, LOC645466, LOC645467, LOC645468, LOC645469, LOC728026, LOC728973, MAD2L1, NIPS, NUP90, OMA1, PSMB3, RPS28, STG7L, MIR41, MRPS22, MTRF1, NKTR, NUSAP1, OFD1, PANX1, PDKP1, PHC2, PHF19, PRKCE, PRRT3, PSDM6, HOBX, RNF121, RCTD1, SAFB, SEC11C, SECISBP1, SIK3, SOD3, SNHG1, ST7, SYF9H1, TPST1, WRBP, ZNF199	12p13.1	rs3745171	ACSL1, ACTR3, ANP32, ANXA2P1, BTG3, C1orf23, CAST, CD164, CKS2, DCUN1D5, DEDD, DHX30, DOLK, EPB412, GDB3, FLYWCH2, GLRX5, IRF1, KIF3B, LCM1, LOC100130154, LOC100132499, LOC100134504, LOC413115, LOC392285, LOC423232, LOC645466, LOC645467, LOC645468, LOC645469, LOC728026, LOC728973, MAD2L1, NIPS, NUP90, OMA1, PSMB3, RPS28, STG7L, MIR41, MRPS22, MTRF1, NKTR, NUSAP1, OFD1, PANX1, PDKP1, PHC2, PHF19, PRKCE, PRRT3, PSDM6, HOBX, RNF121, RCTD1, SAFB, SEC11C, SECISBP1, SIK3, SOD3, SNHG1, ST7, SYF9H1, TPST1, WRBP, ZNF199	12p13.1	rs3745171	ACSL1, ACTR3, ANP32, ANXA2P1, BTG3, C1orf23, CAST, CD164, CKS2, DCUN1D5, DEDD, DHX30, DOLK, EPB412, GDB3, FLYWCH2, GLRX5, IRF1, KIF3B, LCM1, LOC100130154, LOC100132499, LOC100134504, LOC413115, LOC392285, LOC423232, LOC645466, LOC645467, LOC645468, LOC645469, LOC728026, LOC728973, MAD2L1, NIPS, NUP90, OMA1, PSMB3, RPS28, STG7L, MIR41, MRPS22, MTRF1, NKTR, NUSAP1, OFD1, PANX1, PDKP1, PHC2, PHF19, PRKCE, PRRT3, PSDM6, HOBX, RNF121, RCTD1, SAFB, SEC11C, SECISBP1, SIK3, SOD3, SNHG1, ST7, SYF9H1, TPST1, WRBP, ZNF199	12p13.1	rs3745171	ACSL1, ACTR3, ANP32, ANXA2P1, BTG3, C1orf23, CAST, CD164, CKS2, DCUN1D5, DEDD, DHX30, DOLK, EPB412, GDB3, FLYWCH2, GLRX5, IRF1, KIF3B, LCM1, LOC100130154, LOC100132499, LOC100134504, LOC413115, LOC392285, LOC423232, LOC645466, LOC645467, LOC645468, LOC645469, LOC728026, LOC728973, MAD2L1, NIPS, NUP90, OMA1, PSMB3, RPS28, STG7L, MIR41, MRPS22, MTRF1, NKTR, NUSAP1, OFD1, PANX1, PDKP1, PHC2, PHF19, PRKCE, PRRT3, PSDM6, HOBX, RNF121, RCTD1, SAFB, SEC11C, SECISBP1, SIK3, SOD3, SNHG1, ST7, SYF9H1, TPST1, WRBP, ZNF199																					
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12q13.1	rs705704	PITPN1, SERGEF, SLC26A6, SLC35A1, SNORA24, TABP4, TRAF3IP2, ANP, ANAPC11, ATF3, BCL2L11, C1orf93, CSNK1G1, DERA, DPF2, DUSP12, FXR1, GDF1, HOXC4, IFT2, JI28, KR17, LOC169834, LOC646786, LOC727804, LOC92659, MIR1471, MOAP1, NRP2, OR2T5, RPS27, TBL1X, TNFRSF13C, TUBB8, ZC3H1AF, ZNF491	14q24.1	rs1465788	BEND4, C17orf93, CENPM, CENPL, LOC10012800, LOC100129585, LOC100132425, LOC442727, LOC645384, MIR518A, NAP1L1, PHC2, PION, PPM1, PPP2R3C, PRRS, RHD5, RFC4, RMI1, SEC11C, SHMT1, SIRVA, SMC2A3, CTRP, BHLHE40, BRN, ZWINT	16p11.2	rs9924471	AGK, C3ORF50, CER7, CDKN12, CRELD1, DEK, DUS3L, E5Y71, FAM95, FANCA, FNIP1, KIF13B, LOC10012800, LOC100129585, LOC100132425, LOC442727, LOC645384, MIR518A, NAP1L1, PHC2, PION, PPM1, PPP2R3C, PRRS, RHD5, RFC4, RMI1, SEC11C, SHMT1, SIRVA, SMC2A3, CTRP, BHLHE40, BRN, ZWINT	20p13	rs2841305	ABC61, ACER2, ADD3, ADK, ANKRD2, ANKRD2, C1orf94, CD82, CECR3, DEDD, DENND3, DOK4, EBF1, EPCR1, IL12A, KIDNS20, KRIT1, LOC136143, LOC652968, LRIG2, MACP1, MALPBP1, MGAT4B, NBPFF10, NBPFF20, NBPFF, NQO2, PRKX, PHK3CD, PREB, PRCCBP0, TPST1IP, RMS1, ROBLD3, RRP1, SEM7A, SLC36A1, SULF2, TXNRD1, UNC5F32																					
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