

SUPPLEMENTARY TABLE S4. exGENES ASSOCIATED WITH HIGH-CONFIDENCE EXPRESSION QUANTITATIVE TRAIT LOCI IN THE ALLCELL_ALLPOP INTEGRATED SET AT A 0.05 cM THRESHOLD FOR THE WELLCOME TRUST CASE CONTROL CONSORTIUM SEVEN DISEASES

<i>Disease</i>	<i>Chromosome</i>	<i>Loci</i>	<i>exGenes</i>
BD	2	2q11.2	CIAO1, LIPT1, TSGA10, UNC50
BD	2	2q37.3	ANKMY1
BD	3	3p21.1	GLT8D1, GNL3, ITIH4, NT5DC2, TMEM110
BD	3	3p22	CMTM8, LRRFIP2, TRANK1
BD	3	3q27	MCCC1
BD	4	4q22	PPM1K
BD	5	5q15	ANKRD32, MCTP1
BD	7	7p22	MAD1L1
BD	8	8q24.3	SLC45A4
BD	9	9p13	NUDT2
BD	9	9p22	TTC39B
BD	9	9q33	RALGPS1, RPL12, SLC2A8, ZNF79
BD	11	11q13.2	CCS, CTSF, LRFN4, RIN1
BD	11	11q24	SPA17
BD	12	12q13.1	CACNB3
BD	12	12q23	CMKLR1
BD	14	14q11.2	HNRNPC, RPGRIP1
BD	14	14q32.3	TDRD9
BD	15	15q14	C15orf53
BD	15	15q25	CTSH
BD	16	16p12	COG7, DCTN5, GGA2
BD	19	19p13.1	ATP13A1, LPAR2, MAU2
BD	19	19q13.1	LOC400684
BD	19	19q13.2	RABAC1
BD	20	20p13	CDC25B
BD	20	20q13.1	PARD6B
CAD	1	1p13.3	CELSR2, PSRC1, SORT1
CAD	1	1q21.3	UBE2Q1
CAD	2	2q33	FAM117B
CAD	3	3p25	ANKRD28, COLQ
CAD	3	3q22	CEP70, FAIM
CAD	6	6p21.3	CCHCR1, DDR1, DEF6, DPCR1, HCG22, HCG27, HLA-B, HLA-C, HLA-DQB1, LST1, MICB, TCF19, TCP11, UHRF1BP1, VARS2
CAD	6	6q14	FAM46A
CAD	6	6q25.3	SLC22A3
CAD	7	7q22	GPR22
CAD	9	9p21	CDKN2B
CAD	9	9q34.2	SURF1, SURF6
CAD	10	10q23.3	LIPA
CAD	10	10q24.3	AS3MT, C10orf26, C10orf32, NT5C2, SFXN2, USMG5
CAD	11	11q22.3	PDGFD
CAD	11	11q23.3	TAGLN
CAD	11	11q24	FOXRED1, ST3GAL4
CAD	12	12q24.1	FAM109A, SH2B3, TMEM116
CAD	12	12q24.31	C12orf43, SPPL3
CAD	15	15q25	ADAMTS7, CTSH
CAD	17	17p11.2	PEMT, RASD1
CAD	17	17p13	SRR
CAD	17	17q21.3	ATP5G1, UBE2Z
CAD	19	19p13.2	SMARCA4
CD	1	1p13.2	AP4B1
CD	1	1p31.1	DNAJB4, GIPC2, NEXN
CD	1	1p31.3	SLC35D1
CD	1	1p36.2	PER3
CD	1	1q22	ADAM15, MUC1, RIT1
CD	1	1q23	CD244, LY9, SLAMF7
CD	1	1q32.1	IL19
CD	2	2p16	AHSA2, KIAA1841, LOC339803, PUS10
CD	2	2p23	C2orf28, GPN1, KRTCAP3, SLC5A6

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SUPPLEMENTARY TABLE S4. (CONTINUED)

<i>Disease</i>	<i>Chromosome</i>	<i>Loci</i>	<i>exGenes</i>
CD	2	2q37.1	DGKD, SP110, SP140
CD	3	3p21.3	AMT, HYAL3, IP6K2, KLHDC8B, NCKIPSD, NICN1, P4HTM, RBM6, UBA7, USP4, WDR6
CD	4	4q24	BANK1
CD	5	5p13.1	PTGER4
CD	5	5q15	ERAP1, ERAP2, LNPEP
CD	5	5q31.1	PDLIM4, SLC22A4, SLC22A5
CD	5	5q31.3	FGF1, NDFIP1
CD	5	5q35.2	CPEB4
CD	6	6p21.3	AIF1, ATP6V1G2, CCHCR1, CLIC1, CSNK2B, DOM3Z, GPANK1, HCG22, HCG27, HLA-B, HLA-C, HLA-DOB, HLA-DPB1, HLA-DQA1, HLA-DQA2, HLA-DQB1, HLA-DQB2, HLA-DRB1, HLA-DRB4, HLA-DRB5, HSPA1B, LST1, LY6G5C, MICB, PRRC2A, TAP2, TCF19, VARS2
CD	6	6q22.3	THEMIS
CD	6	6q25.3	RSPH3
CD	6	6q27	FGFR1OP, RNASET2, RPS6KA2
CD	7	7p15.2	SKAP2
CD	8	8q21.3	RIPK2
CD	9	9p24	JAK2
CD	9	9q34.3	CARD9, DNLZ, INPP5E, SDCCAG3
CD	10	10p11.2	CREM
CD	10	10q21.1	CISD1
CD	10	10q21.2	ADO
CD	11	11q12	C11orf10, FADS1, FADS2
CD	11	11q13.1	CCDC88B, FKBP2, PRDX5, RPS6KA4, TRMT112, TRPT1
CD	11	11q13.5	C11orf30
CD	12	12q12	SLC2A13
CD	13	13q14.1	LACC1, TNFSF11
CD	14	14q24.1	ZFP36L1
CD	14	14q31	GALC, GPR65
CD	15	15q14	RASGRP1
CD	16	16p11.2	APOBR, CCDC101, EIF3C, SPNS1, TUFM
CD	16	16q12.1	NOD2, SNX20
CD	17	17q12	GSDMA, GSDMB, ORMDL3, ZPBP2
CD	17	17q21.2	CNTNAP1
CD	19	19p13.2	CDC37, ICAM3, ICAM4
CD	19	19p13.3	GPX4
CD	20	20q13.3	STMN3
CD	21	21q22.1	GART, IFNGR2, ITSN1, TMEM50B
CD	22	22q11.2	UBE2L3
CD	22	22q12.2	MTMR3, UQCR10
CD	22	22q13.1	PDGFB, SYNGR1
CD	22	22q13.2	CCDC134, EP300, L3MBTL2, MEI1, PMM1
HT	1	1p13.2	ST7L
HT	4	4q24	SLC39A8
HT	6	6p21.3	AIF1, ATP6V1G2, CSNK2B, DOM3Z, GPANK1, HCG27, HLA-C, HLA-DQA1, HLA-DQB1, HLA-DRB1, HLA-DRB5, HSPA1B, LST1, LY6G5C, MICB
HT	6	6p22.2	BTN3A2, BTN3A3, HIST1H2BD, TRIM38
HT	8	8p23.1	XKR6
HT	12	12q21.3	GALNT4
HT	15	15q26.1	FES
HT	20	20q13.3	CTSZ, TH1L
RA	1	1p13.2	AP4B1
RA	1	1p36.3	MMEL1, TNFRSF14
RA	2	2p14	SPRED2
RA	2	2p16	AHSA2, LOC339803, PUS10
RA	2	2q11.2	AFF3
RA	4	4p15.2	ANAPC4, ZCCHC4
RA	5	5q21	PAM, PPIP5K2

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SUPPLEMENTARY TABLE S4. (CONTINUED)

<i>Disease</i>	<i>Chromosome</i>	<i>Loci</i>	<i>exGenes</i>
RA	6	6p21.3	HCG22, HCG27, HLA-B, HLA-C, HLA-DOB, HLA-DPB1, HLA-DQA1, HLA-DQA2, HLA-DQB1, HLA-DQB2, HLA-DRA, HLA-DRB1, HLA-DRB4, HLA-DRB5, HLA-DRB6, LOC285835, LST1, MICB, PRRC2A, PSMB9, TAP2, VARS2
RA	6	6p22.1	BTN3A2, GABBR1, HCG4, HCG4B, HLA-A, HLA-F, HLA-G, VARS2, ZFP57, ZNRD1
RA	6	6q27	FGFR1OP, RNASET2, RPS6KA2
RA	7	7q32	IRF5, TNPO3
RA	8	8p23.1	BLK, FAM167A, FDFT1, XKR6
RA	9	9p13	NUDT2
RA	9	9q33	C5, GSN, MEGF9
RA	12	12q13.3	METTL21B, TSFM
RA	12	12q24.1	FAM109A, SH2B3, TMEM116
RA	14	14q24.3	BATF
RA	17	17q12	GSDMA, GSDMB, ORMDL3, ZPBP2
RA	20	20q13.1	CD40, PLTP
RA	21	21q22.3	UBASH3A
RA	22	22q12.3	IL2RB
T1D	1	1p13.2	AP4B1
T1D	1	1p31.3	PGM1
T1D	1	1q32.1	IL19
T1D	2	2p23	ADCY3, POMC
T1D	2	2q11.2	AFF3
T1D	6	6p21.3	HCG27, HLA-DOB, HLA-DPB1, HLA-DQA1, HLA-DQA2, HLA-DQB1, HLA-DQB2, HLA-DRB1, HLA-DRB4, HLA-DRB5, PRRC2A, TAP2
T1D	7	7p15.2	SKAP2
T1D	8	8q24.1	TNFRSF11B
T1D	12	12p13.3	CLEC2B, CLEC2D, CLECL1
T1D	12	12q13.2	RPS26, SPRYD4, STAT2, SUOX
T1D	12	12q24.1	ALDH2, FAM109A, SH2B3, TMEM116
T1D	14	14q24.1	ZFP36L1
T1D	15	15q14	RASGRP1
T1D	15	15q25	CTSH
T1D	16	16p11.2	APOBR, CCDC101, EIF3C, SPNS1, TUFM
T1D	16	16p13.1	DEXI, RMI2
T1D	16	16q23	CFDP1
T1D	17	17q12	GSDMA, GSDMB, ORMDL3, ZPBP2
T1D	17	17q21.2	CCR7, SMARCE1
T1D	19	19p13.2	CDC37, ICAM3, ICAM4
T1D	19	19q13.3	FKRP, PRKD2, STRN4
T1D	21	21q22.3	UBASH3A
T1D	22	22q12.2	MTMR3, UQCR10
T1D	22	22q12.3	C1QTNF6
T2D	2	2q36	IRS1
T2D	3	3p25	PPARG
T2D	4	4q27	CCNA2, EXOSC9
T2D	6	6p21.3	HLA-DOB, HLA-DPB1, HLA-DQA1, HLA-DQA2, HLA-DQB1, HLA-DQB2, HLA-DRB1, HLA-DRB5, TAP2
T2D	8	8q22.1	TP53INP1
T2D	9	9p21	CDKN2B
T2D	10	10p13	CAMK1D
T2D	11	11p15.1	B7H6, NUCB2, SNORD14A
T2D	11	11q13.4	STARD10
T2D	12	12q13.1	CERS5, DIP2B, SLC11A2, TFPC2
T2D	12	12q24.31	C12orf43
T2D	15	15q24	PSTPIP1, TSPAN3
T2D	15	15q26.1	HDCC3, RCCD1, UNC45A

BD, bipolar disorder; CAD, coronary artery disease; CD, Crohn's disease; HT, hypertension; RA, rheumatoid arthritis; T1D, type 1 diabetes; T2D, type 2 diabetes.