

supplementary table S1. Sex-biased genes by tissues

gene symbol		chromosome	sex-bias	tissue
FAM151A	1	F		Adipose
SALL1	16	F		Adipose
GYG2	X	F		Adipose
IP6K3	6	M		Adipose
SGCZ	8	M		Adipose
AMER2	13	M		Adipose
RXFP2	13	M		Adipose
CPAMD8	19	M		Adipose
AFF2	X	M		Adipose
DDX3Y	Y	M		Adipose
EIF1AY	Y	M		Adipose
KDM5D	Y	M		Adipose
NLGN4Y	Y	M		Adipose
PCDH11Y	Y	M		Adipose
RPS4Y1	Y	M		Adipose
TMSB4Y	Y	M		Adipose
USP9Y	Y	M		Adipose
UTY	Y	M		Adipose
ZFY	Y	M		Adipose
DDX3Y	Y	M		Amygdala
EIF1AY	Y	M		Amygdala
NLGN4Y	Y	M		Amygdala
PCDH11Y	Y	M		Amygdala
RPS4Y1	Y	M		Amygdala
TMSB4Y	Y	M		Amygdala
USP9Y	Y	M		Amygdala
UTY	Y	M		Amygdala
ZFY	Y	M		Amygdala
PROX1	1	F		Artery
OXGR1	13	F		Artery
ZSCAN4	19	F		Artery
MAP7D2	X	F		Artery
CPAMD8	19	M		Artery
DDX3Y	Y	M		Artery
EIF1AY	Y	M		Artery
KDM5D	Y	M		Artery
NLGN4Y	Y	M		Artery
PCDH11Y	Y	M		Artery
RPS4Y1	Y	M		Artery
SRY	Y	M		Artery
TBL1Y	Y	M		Artery
TMSB4Y	Y	M		Artery
TSPY2	Y	M		Artery
USP9Y	Y	M		Artery
UTY	Y	M		Artery
ZFY	Y	M		Artery
AK5	1	F		Breast
AMPD1	1	F		Breast
ANKRD65	1	F		Breast
Clorf106	1	F		Breast
Clorf116	1	F		Breast
C4BPA	1	F		Breast
C4BPB	1	F		Breast
CCDC163P	1	F		Breast
CD164L2	1	F		Breast
CD2	1	F		Breast
CITED4	1	F		Breast
CLDN19	1	F		Breast

COL8A2	1	F	Breast
CR2	1	F	Breast
ETV3L	1	F	Breast
FAM177B	1	F	Breast
FAM183A	1	F	Breast
FCRL2	1	F	Breast
FCRL5	1	F	Breast
FHAD1	1	F	Breast
GFI1	1	F	Breast
GPR25	1	F	Breast
IFFO2	1	F	Breast
IFNLR1	1	F	Breast
IL24	1	F	Breast
INSRR	1	F	Breast
KCNA3	1	F	Breast
KCNK1	1	F	Breast
KLHDC8A	1	F	Breast
LAD1	1	F	Breast
LAMB3	1	F	Breast
LAMC2	1	F	Breast
LCK	1	F	Breast
LGR6	1	F	Breast
LRRN2	1	F	Breast
MROH7	1	F	Breast
MYBPH	1	F	Breast
NTRK1	1	F	Breast
OBSCN	1	F	Breast
OR2L13	1	F	Breast
PADI2	1	F	Breast
PDE4B	1	F	Breast
PDZK1IP1	1	F	Breast
PIGR	1	F	Breast
PLA2G2D	1	F	Breast
PLCH2	1	F	Breast
RGS1	1	F	Breast
RNF186	1	F	Breast
RUNX3	1	F	Breast
S100A14	1	F	Breast
SFN	1	F	Breast
SLC35F3	1	F	Breast
ST6GALNAC5	1	F	Breast
TMEM61	1	F	Breast
TNFRSF18	1	F	Breast
TP73	1	F	Breast
TRIM17	1	F	Breast
TTC22	1	F	Breast
ZNF648	1	F	Breast
ZNF683	1	F	Breast
ATP6V1B1	2	F	Breast
BCL11A	2	F	Breast
C1QL2	2	F	Breast
CD207	2	F	Breast
CD8A	2	F	Breast
CD8B	2	F	Breast
CLEC4F	2	F	Breast
COL4A3	2	F	Breast
CYTIP	2	F	Breast
DTNB	2	F	Breast
DUSP2	2	F	Breast
EPCAM	2	F	Breast

Breast

EVA1A	2	F	Breast
FAM110C	2	F	Breast
FIGLA	2	F	Breast
FZD7	2	F	Breast
HOXD9	2	F	Breast
ICOS	2	F	Breast
IGKJ5	2	F	Breast
IQCA1	2	F	Breast
ITGB6	2	F	Breast
KRTCAP3	2	F	Breast
KYNU	2	F	Breast
LY75	2	F	Breast
LYPD6B	2	F	Breast
PDCD1	2	F	Breast
PTH2R	2	F	Breast
SCN2A	2	F	Breast
SDC1	2	F	Breast
SOX11	2	F	Breast
SPHKAP	2	F	Breast
ST6GAL2	2	F	Breast
TGFA	2	F	Breast
VAX2	2	F	Breast
VSNL1	2	F	Breast
WNT10A	2	F	Breast
XDH	2	F	Breast
ZAP70	2	F	Breast
ATP13A4	3	F	Breast
ATP13A5	3	F	Breast
CCR2	3	F	Breast
CD96	3	F	Breast
CLDN16	3	F	Breast
CMTM7	3	F	Breast
CNTN4	3	F	Breast
COL7A1	3	F	Breast
CXCR6	3	F	Breast
EPHB1	3	F	Breast
EPHB3	3	F	Breast
ESYT3	3	F	Breast
FAM3D	3	F	Breast
FETUB	3	F	Breast
FEZF2	3	F	Breast
KCNH8	3	F	Breast
LAMP3	3	F	Breast
LRRN1	3	F	Breast
LTF	3	F	Breast
MFI2	3	F	Breast
MST1R	3	F	Breast
NFKBIZ	3	F	Breast
OXTR	3	F	Breast
PLCH1	3	F	Breast
PRSS45	3	F	Breast
RARRES1	3	F	Breast
ROPN1	3	F	Breast
ROPN1B	3	F	Breast
RTP4	3	F	Breast
STX19	3	F	Breast
TP63	3	F	Breast
ADH4	4	F	Breast
CDKL2	4	F	Breast
CXCL5	4	F	Breast

CXCL6	4	F	Breast
DAPP1	4	F	Breast
DCHS2	4	F	Breast
EGF	4	F	Breast
FAM160A1	4	F	Breast
FDCSP	4	F	Breast
FGFBP1	4	F	Breast
JCHAIN	4	F	Breast
KIT	4	F	Breast
NEUROG2	4	F	Breast
NIPAL1	4	F	Breast
NKX6-1	4	F	Breast
NSG1	4	F	Breast
PF4V1	4	F	Breast
PROM1	4	F	Breast
RASSF6	4	F	Breast
SLC2A9	4	F	Breast
SLC34A2	4	F	Breast
TMEM156	4	F	Breast
TMPRSS11A	4	F	Breast
UGT8	4	F	Breast
UNC5C	4	F	Breast
ACTBL2	5	F	Breast
CCL28	5	F	Breast
CCNJL	5	F	Breast
CCNO	5	F	Breast
F2RL1	5	F	Breast
FAM196B	5	F	Breast
FAT2	5	F	Breast
FGF1	5	F	Breast
FOXI1	5	F	Breast
GABRP	5	F	Breast
IL17B	5	F	Breast
IL7R	5	F	Breast
IRX1	5	F	Breast
IRX2	5	F	Breast
IRX4	5	F	Breast
KCNMB1	5	F	Breast
PDLIM4	5	F	Breast
PITX1	5	F	Breast
PLEKHG4B	5	F	Breast
PSD2	5	F	Breast
SLC12A2	5	F	Breast
SLC27A6	5	F	Breast
TCF7	5	F	Breast
TENM2	5	F	Breast
TERT	5	F	Breast
ADGRF1	6	F	Breast
ADTRP	6	F	Breast
C4A	6	F	Breast
C4B	6	F	Breast
C6orf15	6	F	Breast
DACT2	6	F	Breast
DLK2	6	F	Breast
DST	6	F	Breast
FABP7	6	F	Breast
FAM83B	6	F	Breast
FAXC	6	F	Breast
FUT9	6	F	Breast
IL22RA2	6	F	Breast

MRAP2	6	F	Breast
RFX6	6	F	Breast
RNF39	6	F	Breast
RUNX2	6	F	Breast
SAMD5	6	F	Breast
SCML4	6	F	Breast
TAGAP	6	F	Breast
THEMIS	6	F	Breast
ATP6V0A4	7	F	Breast
BHLHA15	7	F	Breast
C7orf65	7	F	Breast
CARD11	7	F	Breast
CCDC129	7	F	Breast
CLCN1	7	F	Breast
EPHA1	7	F	Breast
PDE1C	7	F	Breast
PDGFA	7	F	Breast
SVOPL	7	F	Breast
TMEM213	7	F	Breast
WDR86	7	F	Breast
AARD	8	F	Breast
ADAM28	8	F	Breast
BLK	8	F	Breast
CCAR2	8	F	Breast
CHMP4C	8	F	Breast
CRISPLD1	8	F	Breast
DPYS	8	F	Breast
EFCAB1	8	F	Breast
ERICH5	8	F	Breast
FAM167A	8	F	Breast
FBXO32	8	F	Breast
GSDMC	8	F	Breast
HNF4G	8	F	Breast
LY6D	8	F	Breast
NCALD	8	F	Breast
NPM2	8	F	Breast
NUGGC	8	F	Breast
PLAT	8	F	Breast
PNOC	8	F	Breast
SFRP1	8	F	Breast
SLC25A37	8	F	Breast
BARX1	9	F	Breast
CARD9	9	F	Breast
CDKN2A	9	F	Breast
CRB2	9	F	Breast
ENTPD2	9	F	Breast
FAM189A2	9	F	Breast
IFNE	9	F	Breast
LCN2	9	F	Breast
ROR2	9	F	Breast
SARDH	9	F	Breast
SLC28A3	9	F	Breast
WNK2	9	F	Breast
ANTXR1	10	F	Breast
ANXA8	10	F	Breast
ANXA8L1	10	F	Breast
C10orf90	10	F	Breast
CALML3	10	F	Breast
CDHR1	10	F	Breast
COL17A1	10	F	Breast

CYP26A1	10	F	Breast
DMBT1	10	F	Breast
GPRIN2	10	F	Breast
PLEKHS1	10	F	Breast
PRKCQ	10	F	Breast
ACY3	11	F	Breast
ANO1	11	F	Breast
B3GAT1	11	F	Breast
BBOX1	11	F	Breast
CCDC88B	11	F	Breast
CD3D	11	F	Breast
CD3E	11	F	Breast
CD3G	11	F	Breast
CD6	11	F	Breast
CDC42BPG	11	F	Breast
CHRM1	11	F	Breast
COLCA1	11	F	Breast
EHF	11	F	Breast
ELF5	11	F	Breast
EPS8L2	11	F	Breast
FOLH1	11	F	Breast
FOLR1	11	F	Breast
GLB1L3	11	F	Breast
GLYATL2	11	F	Breast
GRIA4	11	F	Breast
GYLTL1B	11	F	Breast
KIAA1549L	11	F	Breast
LRRC4C	11	F	Breast
MMP20	11	F	Breast
MMP7	11	F	Breast
MRGPRX3	11	F	Breast
MS4A1	11	F	Breast
MUC15	11	F	Breast
MUC5B	11	F	Breast
NXPE4	11	F	Breast
OR10A3	11	F	Breast
OR5P3	11	F	Breast
PAMR1	11	F	Breast
PLEKHB1	11	F	Breast
POU2AF1	11	F	Breast
POU2F3	11	F	Breast
PVRL1	11	F	Breast
SAA4	11	F	Breast
ST14	11	F	Breast
ST5	11	F	Breast
SYT12	11	F	Breast
SYT13	11	F	Breast
SYT8	11	F	Breast
TMPRSS13	11	F	Breast
TNNI2	11	F	Breast
TP53AIP1	11	F	Breast
TRIM29	11	F	Breast
USH1C	11	F	Breast
AMIGO2	12	F	Breast
B4GALNT3	12	F	Breast
BCL2L14	12	F	Breast
BHLHE41	12	F	Breast
BTBD11	12	F	Breast
CAPZA3	12	F	Breast
CD27	12	F	Breast

CD69	12	F	Breast
CFAP73	12	F	Breast
HOXC10	12	F	Breast
HOXC13	12	F	Breast
KCNH3	12	F	Breast
KLRC1	12	F	Breast
KLRC2	12	F	Breast
KRT5	12	F	Breast
KRT7	12	F	Breast
KRT74	12	F	Breast
KRT81	12	F	Breast
KRT83	12	F	Breast
PIK3C2G	12	F	Breast
PLCZ1	12	F	Breast
RASAL1	12	F	Breast
SCNN1A	12	F	Breast
SLCO1A2	12	F	Breast
ST8SIA1	12	F	Breast
TRPV4	12	F	Breast
VDR	12	F	Breast
CCNA1	13	F	Breast
GPR12	13	F	Breast
KLF5	13	F	Breast
NALCN	13	F	Breast
OLFM4	13	F	Breast
TNFRSF19	13	F	Breast
BEGAIN	14	F	Breast
NKX2-8	14	F	Breast
OR11H6	14	F	Breast
PLD4	14	F	Breast
PLEK2	14	F	Breast
SLC39A2	14	F	Breast
C15orf52	15	F	Breast
CKMT1A	15	F	Breast
CKMT1B	15	F	Breast
CRABP1	15	F	Breast
FRMD5	15	F	Breast
GRAMD2	15	F	Breast
HAPLN3	15	F	Breast
SCG5	15	F	Breast
ST8SIA2	15	F	Breast
STRA6	15	F	Breast
SYNM	15	F	Breast
ADGRG5	16	F	Breast
CCL22	16	F	Breast
CDH3	16	F	Breast
CNGB1	16	F	Breast
CX3CL1	16	F	Breast
FAM92B	16	F	Breast
FBXL19	16	F	Breast
HAS3	16	F	Breast
HS3ST4	16	F	Breast
IL34	16	F	Breast
PRSS21	16	F	Breast
SALL1	16	F	Breast
SCNN1G	16	F	Breast
TNFRSF17	16	F	Breast
TVP23A	16	F	Breast
ABCC3	17	F	Breast
ADORA2B	17	F	Breast

ATP2A3	17	F	Breast
CACNB1	17	F	Breast
DNAH2	17	F	Breast
ETV4	17	F	Breast
HEATR9	17	F	Breast
IKZF3	17	F	Breast
ITGB4	17	F	Breast
KRT15	17	F	Breast
KRT17	17	F	Breast
MYH13	17	F	Breast
PLXDC1	17	F	Breast
SLC13A2	17	F	Breast
SLC47A2	17	F	Breast
SLFN13	17	F	Breast
SOX9	17	F	Breast
SP6	17	F	Breast
STAC2	17	F	Breast
TBX21	17	F	Breast
TNFRSF13B	17	F	Breast
TNS4	17	F	Breast
UTS2R	17	F	Breast
ZNF750	17	F	Breast
CHST9	18	F	Breast
DSC1	18	F	Breast
DSC2	18	F	Breast
DSC3	18	F	Breast
DSG1	18	F	Breast
DSG3	18	F	Breast
GRP	18	F	Breast
PSTPIP2	18	F	Breast
RNF165	18	F	Breast
SERPINB5	18	F	Breast
B3GNT3	19	F	Breast
BRSK1	19	F	Breast
CCDC8	19	F	Breast
CD79A	19	F	Breast
CELF5	19	F	Breast
CNN1	19	F	Breast
COX6B2	19	F	Breast
CXCL17	19	F	Breast
DMKN	19	F	Breast
FBN3	19	F	Breast
FUT3	19	F	Breast
FUT6	19	F	Breast
HSH2D	19	F	Breast
ICAM5	19	F	Breast
JSRP1	19	F	Breast
KCNN4	19	F	Breast
KLC3	19	F	Breast
KLK6	19	F	Breast
KLK8	19	F	Breast
LMTK3	19	F	Breast
MUC16	19	F	Breast
NCCRP1	19	F	Breast
NKPD1	19	F	Breast
NLRP11	19	F	Breast
NLRP7	19	F	Breast
NRTN	19	F	Breast
PALM3	19	F	Breast
PLPP2	19	F	Breast

PNMAL1	19	F	Breast
PODNL1	19	F	Breast
PSG4	19	F	Breast
SH2D3A	19	F	Breast
SPIB	19	F	Breast
TDRD12	19	F	Breast
THEG	19	F	Breast
TTYH1	19	F	Breast
APCDD1L	20	F	Breast
BPI	20	F	Breast
CDH22	20	F	Breast
EDN3	20	F	Breast
EYA2	20	F	Breast
FERMT1	20	F	Breast
PAK7	20	F	Breast
PI3	20	F	Breast
PTPRT	20	F	Breast
SIRPG	20	F	Breast
SLPI	20	F	Breast
TFAP2C	20	F	Breast
VSX1	20	F	Breast
ZBP1	20	F	Breast
B3GALT5	21	F	Breast
CLDN8	21	F	Breast
CXADR	21	F	Breast
RIPK4	21	F	Breast
TMPRSS3	21	F	Breast
UBASH3A	21	F	Breast
APOBEC3H	22	F	Breast
DERL3	22	F	Breast
IGLL5	22	F	Breast
KLHDC7B	22	F	Breast
MEI1	22	F	Breast
RASL10A	22	F	Breast
SLC5A1	22	F	Breast
SOX10	22	F	Breast
SULT4A1	22	F	Breast
TMEM211	22	F	Breast
TMPRSS6	22	F	Breast
TNFRSF13C	22	F	Breast
CD40LG	X	F	Breast
CXCR3	X	F	Breast
FRMPD3	X	F	Breast
GPR174	X	F	Breast
KLHL13	X	F	Breast
NUP62CL	X	F	Breast
P2RY10	X	F	Breast
PCYT1B	X	F	Breast
PIM2	X	F	Breast
PTCHD1	X	F	Breast
SLC6A14	X	F	Breast
SLC7A3	X	F	Breast
TCEAL5	X	F	Breast
TEX11	X	F	Breast
VGLL1	X	F	Breast
DPT	1	M	Breast
SERPINC1	1	M	Breast
ACADL	2	M	Breast
CCDC85A	2	M	Breast
GALNT13	2	M	Breast

SIX2	2	M	Breast
AADAC	3	M	Breast
TRH	3	M	Breast
NPY2R	4	M	Breast
FGF10	5	M	Breast
PRR16	5	M	Breast
RASGRF2	5	M	Breast
RHOBTB3	5	M	Breast
SLC36A2	5	M	Breast
CNR1	6	M	Breast
SLC35F1	6	M	Breast
SNX10	7	M	Breast
PLAG1	8	M	Breast
DMRTA1	9	M	Breast
SLC1A1	9	M	Breast
KIAA1462	10	M	Breast
PANK1	10	M	Breast
PAPSS2	10	M	Breast
KCNE3	11	M	Breast
MS4A14	11	M	Breast
MS4A7	11	M	Breast
PDE2A	11	M	Breast
ANO4	12	M	Breast
AVPR1A	12	M	Breast
GSG1	12	M	Breast
LMO3	12	M	Breast
TMEM132B	12	M	Breast
TRHDE	12	M	Breast
ACOT4	14	M	Breast
CNTNAP4	16	M	Breast
NQO1	16	M	Breast
HOXB7	17	M	Breast
HOXB8	17	M	Breast
SHISA6	17	M	Breast
GREB1L	18	M	Breast
HIF3A	19	M	Breast
CLIC6	21	M	Breast
CECR2	22	M	Breast
SLITRK4	X	M	Breast
DDX3Y	Y	M	Breast
EIF1AY	Y	M	Breast
KDM5D	Y	M	Breast
NLGN4Y	Y	M	Breast
PCDH11Y	Y	M	Breast
RPS4Y1	Y	M	Breast
TBL1Y	Y	M	Breast
TMSB4Y	Y	M	Breast
USP9Y	Y	M	Breast
UTY	Y	M	Breast
ZFY	Y	M	Breast
DDX3Y	Y	M	Caudate
EIF1AY	Y	M	Caudate
KDM5D	Y	M	Caudate
NLGN4Y	Y	M	Caudate
PCDH11Y	Y	M	Caudate
RPS4Y1	Y	M	Caudate
TBL1Y	Y	M	Caudate
TMSB4Y	Y	M	Caudate
USP9Y	Y	M	Caudate
UTY	Y	M	Caudate

ZFY	Y	M	Caudate
DDX3Y	Y	M	Cerebellar cortex
EIF1AY	Y	M	Cerebellar cortex
NLGN4Y	Y	M	Cerebellar cortex
RPS4Y1	Y	M	Cerebellar cortex
USP9Y	Y	M	Cerebellar cortex
UTY	Y	M	Cerebellar cortex
ZFY	Y	M	Cerebellar cortex
GCSAML	1	F	Cerebellum
HAND2	4	F	Cerebellum
FKBP9	7	F	Cerebellum
GLDC	9	F	Cerebellum
IFNE	9	F	Cerebellum
SLC26A11	17	F	Cerebellum
COMP	19	F	Cerebellum
NLRP2	19	F	Cerebellum
DDX3X	X	F	Cerebellum
EIF2S3	X	F	Cerebellum
KDM5C	X	F	Cerebellum
KDM6A	X	F	Cerebellum
MAGED4	X	F	Cerebellum
PUDP	X	F	Cerebellum
RPS4X	X	F	Cerebellum
STS	X	F	Cerebellum
TRAPPC2	X	F	Cerebellum
USP9X	X	F	Cerebellum
ZFX	X	F	Cerebellum
ZRSR2	X	F	Cerebellum
CA5B	X	F	Cerebellum
DDX3X	X	F	Cerebellum
EIF2S3	X	F	Cerebellum
KDM5C	X	F	Cerebellum
KDM6A	X	F	Cerebellum
PUDP	X	F	Cerebellum
RPS4X	X	F	Cerebellum
STS	X	F	Cerebellum
TXLNG	X	F	Cerebellum
ZFX	X	F	Cerebellum
MAP3K2	2	M	Cerebellum
CD24	6	M	Cerebellum
CD24	6	M	Cerebellum
MAL2	8	M	Cerebellum
PTPN20	10	M	Cerebellum
NXPH4	12	M	Cerebellum
SPESP1	15	M	Cerebellum
AKAP17A	X	M	Cerebellum
ASMTL	X	M	Cerebellum
CD99	X	M	Cerebellum
DHRX	X	M	Cerebellum
GTPBP6	X	M	Cerebellum
PLCXD1	X	M	Cerebellum
PPP2R3B	X	M	Cerebellum
ZBED1	X	M	Cerebellum
HAUS7	X	M	Cerebellum
ZBED1	X	M	Cerebellum
DDX3Y	Y	M	Cerebellum
EIF1AY	Y	M	Cerebellum
HSFY2	Y	M	Cerebellum
KDM5D	Y	M	Cerebellum
NLGN4Y	Y	M	Cerebellum

PCDH11Y	Y	M	Cerebellum		
RPS4Y1	Y	M	Cerebellum		
RPS4Y2	Y	M	Cerebellum		
TMSB4Y	Y	M	Cerebellum		
USP9Y	Y	M	Cerebellum		
UTY	Y	M	Cerebellum		
ZFY	Y	M	Cerebellum		
DDX3Y	Y	M	Cerebellum		
EIF1AY	Y	M	Cerebellum		
KDM5D	Y	M	Cerebellum		
NLGN4Y	Y	M	Cerebellum		
RPS4Y1	Y	M	Cerebellum		
TMSB4Y	Y	M	Cerebellum		
USP9Y	Y	M	Cerebellum		
UTY	Y	M	Cerebellum		
ZFY	Y	M	Cerebellum		
PLCXD1	X	M	Cortex		
DDX3Y	Y	M	Cortex		
EIF1AY	Y	M	Cortex		
KDM5D	Y	M	Cortex		
NLGN4Y	Y	M	Cortex		
PCDH11Y	Y	M	Cortex		
RPS4Y1	Y	M	Cortex		
TMSB4Y	Y	M	Cortex		
USP9Y	Y	M	Cortex		
UTY	Y	M	Cortex		
ZFY	Y	M	Cortex		
AKNAD1	1	F	Dorsolateral	prefrontal	cortex
C3orf62	3	F	Dorsolateral	prefrontal	cortex
TET2	4	F	Dorsolateral	prefrontal	cortex
KHDRBS2	6	F	Dorsolateral	prefrontal	cortex
CSMD3	8	F	Dorsolateral	prefrontal	cortex
CAPRIN2	12	F	Dorsolateral	prefrontal	cortex
ARGLU1	13	F	Dorsolateral	prefrontal	cortex
OSGEP	14	F	Dorsolateral	prefrontal	cortex
HYDIN	16	F	Dorsolateral	prefrontal	cortex
LUC7L	16	F	Dorsolateral	prefrontal	cortex
ARL17A	17	F	Dorsolateral	prefrontal	cortex
FAM106A	17	F	Dorsolateral	prefrontal	cortex
USP6	17	F	Dorsolateral	prefrontal	cortex
KIF16B	20	F	Dorsolateral	prefrontal	cortex
ZNF337	20	F	Dorsolateral	prefrontal	cortex
ZFX	X	F	Dorsolateral	prefrontal	cortex
CD53	1	M	Dorsolateral	prefrontal	cortex
CFH	1	M	Dorsolateral	prefrontal	cortex
OLFML3	1	M	Dorsolateral	prefrontal	cortex
PRRX1	1	M	Dorsolateral	prefrontal	cortex
COL3A1	2	M	Dorsolateral	prefrontal	cortex
CLDN11	3	M	Dorsolateral	prefrontal	cortex
TM4SF1	3	M	Dorsolateral	prefrontal	cortex
ZIC1	3	M	Dorsolateral	prefrontal	cortex
EDNRA	4	M	Dorsolateral	prefrontal	cortex
CSF1R	5	M	Dorsolateral	prefrontal	cortex
SEPP1	5	M	Dorsolateral	prefrontal	cortex
SPARC	5	M	Dorsolateral	prefrontal	cortex
CALD1	7	M	Dorsolateral	prefrontal	cortex
COL1A2	7	M	Dorsolateral	prefrontal	cortex
CPED1	7	M	Dorsolateral	prefrontal	cortex
PKD4	7	M	Dorsolateral	prefrontal	cortex
CEBPD	8	M	Dorsolateral	prefrontal	cortex

SDC2	8	M	Dorsolateral prefrontal cortex
ANXA1	9	M	Dorsolateral prefrontal cortex
OGN	9	M	Dorsolateral prefrontal cortex
PTGDS	9	M	Dorsolateral prefrontal cortex
ACTA2	10	M	Dorsolateral prefrontal cortex
TSPAN15	10	M	Dorsolateral prefrontal cortex
FOLR2	11	M	Dorsolateral prefrontal cortex
IGF2	11	M	Dorsolateral prefrontal cortex
LYVE1	11	M	Dorsolateral prefrontal cortex
ARHGDIB	12	M	Dorsolateral prefrontal cortex
LUM	12	M	Dorsolateral prefrontal cortex
ALOX5AP	13	M	Dorsolateral prefrontal cortex
LPAR6	13	M	Dorsolateral prefrontal cortex
NPC2	14	M	Dorsolateral prefrontal cortex
RNASE1	14	M	Dorsolateral prefrontal cortex
CEMIP	15	M	Dorsolateral prefrontal cortex
CRABP1	15	M	Dorsolateral prefrontal cortex
ISLR	15	M	Dorsolateral prefrontal cortex
COL1A1	17	M	Dorsolateral prefrontal cortex
LGALS3BP	17	M	Dorsolateral prefrontal cortex
SLC9A3R1	17	M	Dorsolateral prefrontal cortex
COLEC12	18	M	Dorsolateral prefrontal cortex
EHD2	19	M	Dorsolateral prefrontal cortex
TYROBP	19	M	Dorsolateral prefrontal cortex
LGALS1	22	M	Dorsolateral prefrontal cortex
BGN	X	M	Dorsolateral prefrontal cortex
CYBB	X	M	Dorsolateral prefrontal cortex
MSN	X	M	Dorsolateral prefrontal cortex
DDX3Y	Y	M	Dorsolateral prefrontal cortex
EIF1AY	Y	M	Dorsolateral prefrontal cortex
NLGN4Y	Y	M	Dorsolateral prefrontal cortex
PCDH11Y	Y	M	Dorsolateral prefrontal cortex
RPS4Y1	Y	M	Dorsolateral prefrontal cortex
USP9Y	Y	M	Dorsolateral prefrontal cortex
UTY	Y	M	Dorsolateral prefrontal cortex
ZFY	Y	M	Dorsolateral prefrontal cortex
DDX3Y	Y	M	Epstein-Barr virus-transformed lymphocyte
EIF1AY	Y	M	Epstein-Barr virus-transformed lymphocyte
KDM5D	Y	M	Epstein-Barr virus-transformed lymphocyte
NLGN4Y	Y	M	Epstein-Barr virus-transformed lymphocyte
RPS4Y1	Y	M	Epstein-Barr virus-transformed lymphocyte
TMSB4Y	Y	M	Epstein-Barr virus-transformed lymphocyte
USP9Y	Y	M	Epstein-Barr virus-transformed lymphocyte
UTY	Y	M	Epstein-Barr virus-transformed lymphocyte
ZFY	Y	M	Epstein-Barr virus-transformed lymphocyte
DDX3Y	Y	M	Esophagus
EIF1AY	Y	M	Esophagus
KDM5D	Y	M	Esophagus
NLGN4Y	Y	M	Esophagus
RPS4Y1	Y	M	Esophagus
TMSB4Y	Y	M	Esophagus
USP9Y	Y	M	Esophagus
UTY	Y	M	Esophagus
ZFY	Y	M	Esophagus
HAND2	4	F	Frontal cortex
ABCA6	17	F	Frontal cortex
NLRP2	19	F	Frontal cortex
DDX3X	X	F	Frontal cortex
KDM5C	X	F	Frontal cortex
KDM6A	X	F	Frontal cortex

PUDP	X	F	Frontal cortex
ZFX	X	F	Frontal cortex
DDX3X	X	F	Frontal cortex
EIF2S3	X	F	Frontal cortex
KDM6A	X	F	Frontal cortex
PUDP	X	F	Frontal cortex
RPS4X	X	F	Frontal cortex
ZFX	X	F	Frontal cortex
ZRSR2	X	F	Frontal cortex
TAX1BP1	7	M	Frontal cortex
PTPN20	10	M	Frontal cortex
STRN3	14	M	Frontal cortex
SPESP1	15	M	Frontal cortex
OPRL1	20	M	Frontal cortex
ASMTL	X	M	Frontal cortex
CD99	X	M	Frontal cortex
DHRX	X	M	Frontal cortex
GTPBP6	X	M	Frontal cortex
PCDH11X	X	M	Frontal cortex
PLCXD1	X	M	Frontal cortex
PPP2R3B	X	M	Frontal cortex
ZBED1	X	M	Frontal cortex
DDX3Y	Y	M	Frontal cortex
EIF1AY	Y	M	Frontal cortex
KDM5D	Y	M	Frontal cortex
NLGN4Y	Y	M	Frontal cortex
RPS4Y1	Y	M	Frontal cortex
TMSB4Y	Y	M	Frontal cortex
USP9Y	Y	M	Frontal cortex
UTY	Y	M	Frontal cortex
ZFY	Y	M	Frontal cortex
DDX3Y	Y	M	Frontal cortex
EIF1AY	Y	M	Frontal cortex
HSFY2	Y	M	Frontal cortex
KDM5D	Y	M	Frontal cortex
NLGN4Y	Y	M	Frontal cortex
PCDH11Y	Y	M	Frontal cortex
RPS4Y1	Y	M	Frontal cortex
RPS4Y2	Y	M	Frontal cortex
TMSB4Y	Y	M	Frontal cortex
USP9Y	Y	M	Frontal cortex
UTY	Y	M	Frontal cortex
ZFY	Y	M	Frontal cortex
ZNF502	3	F	Heart
RAPGEF6	5	F	Heart
SAMD5	6	F	Heart
WRN	8	F	Heart
BMI1	10	F	Heart
JMJD1C	10	F	Heart
BTBD10	11	F	Heart
ZNF470	19	F	Heart
DOK5	20	F	Heart
STS	X	F	Heart
CA5B	X	F	Heart
SYAP1	X	F	Heart
TXLNG	X	F	Heart
EIF2S3	X	F	Heart
ZFX	X	F	Heart
DDX3X	X	F	Heart
KDM6A	X	F	Heart

KDM5C	X	F	Heart
SMC1A	X	F	Heart
CLIC2	X	F	Heart
HMGCL	1	M	Heart
NIPAL3	1	M	Heart
GSTM2	1	M	Heart
FMO5	1	M	Heart
NCSTN	1	M	Heart
NIT1	1	M	Heart
ETNK2	1	M	Heart
RNF187	1	M	Heart
KCNJ3	2	M	Heart
DNER	2	M	Heart
CACNA2D3	3	M	Heart
FHIT	3	M	Heart
SLC15A2	3	M	Heart
ILDR1	3	M	Heart
HOPX	4	M	Heart
GPX3	5	M	Heart
SLC36A2	5	M	Heart
FABP6	5	M	Heart
MDGA1	6	M	Heart
FAM83B	6	M	Heart
CD24	6	M	Heart
NPTX2	7	M	Heart
ATP6V0E2	7	M	Heart
ASTN2	9	M	Heart
PGAP2	11	M	Heart
TPP1	11	M	Heart
CSRP2	12	M	Heart
HS6ST3	13	M	Heart
ESR2	14	M	Heart
ITPKA	15	M	Heart
FRMD5	15	M	Heart
CPLX3	15	M	Heart
MPI	15	M	Heart
SV2B	15	M	Heart
ADAM11	17	M	Heart
WSCD1	17	M	Heart
PPM1E	17	M	Heart
GNAL	18	M	Heart
CLPP	19	M	Heart
ELAVL3	19	M	Heart
TMEM161A	19	M	Heart
ATP5SL	19	M	Heart
RTN2	19	M	Heart
TMEM143	19	M	Heart
ASIP	20	M	Heart
GTPBP6	X	M	Heart
ASMTL	X	M	Heart
ZBED1	X	M	Heart
CD99	X	M	Heart
FAM155B	X	M	Heart
NGFRAP1	X	M	Heart
MBNL3	X	M	Heart
RPS4Y2	Y	M	Heart
DAZ1	Y	M	Heart
DAZ2	Y	M	Heart
DDX3Y	Y	M	Heart
EIF1AY	Y	M	Heart

KDM5D	Y	M	Heart
NLGN4Y	Y	M	Heart
RPS4Y1	Y	M	Heart
TBL1Y	Y	M	Heart
TMSB4Y	Y	M	Heart
USP9Y	Y	M	Heart
UTY	Y	M	Heart
ZFY	Y	M	Heart
CCDC146	7	F	Hippocampus
CCDC85C	14	F	Hippocampus
RIBC1	X	F	Hippocampus
ZFX	X	F	Hippocampus
DDX3X	X	F	Hippocampus
KDM5C	X	F	Hippocampus
KDM6A	X	F	Hippocampus
PUDP	X	F	Hippocampus
ZFX	X	F	Hippocampus
DDX3Y	Y	M	Hippocampus
EIF1AY	Y	M	Hippocampus
NLGN4Y	Y	M	Hippocampus
PCDH11Y	Y	M	Hippocampus
RPS4Y1	Y	M	Hippocampus
USP9Y	Y	M	Hippocampus
UTY	Y	M	Hippocampus
ZFY	Y	M	Hippocampus
DDX3Y	Y	M	Hippocampus
EIF1AY	Y	M	Hippocampus
KDM5D	Y	M	Hippocampus
NLGN4Y	Y	M	Hippocampus
RPS4Y1	Y	M	Hippocampus
TMSB4Y	Y	M	Hippocampus
USP9Y	Y	M	Hippocampus
UTY	Y	M	Hippocampus
ZFY	Y	M	Hippocampus
HES5	1	F	Human umbilical vein endothelial cells
LEPR	1	F	Human umbilical vein endothelial cells
CYP1B1	2	F	Human umbilical vein endothelial cells
ELN	7	F	Human umbilical vein endothelial cells
IGFBP3	7	F	Human umbilical vein endothelial cells
FBP2	9	F	Human umbilical vein endothelial cells
HSD17B3	9	F	Human umbilical vein endothelial cells
ADIRF	10	F	Human umbilical vein endothelial cells
AFAP1L2	10	F	Human umbilical vein endothelial cells
AS3MT	10	F	Human umbilical vein endothelial cells
KNDC1	10	F	Human umbilical vein endothelial cells
CLMP	11	F	Human umbilical vein endothelial cells
GTSF1	12	F	Human umbilical vein endothelial cells
MUC19	12	F	Human umbilical vein endothelial cells
IRS2	13	F	Human umbilical vein endothelial cells
INSR	19	F	Human umbilical vein endothelial cells
GATA5	20	F	Human umbilical vein endothelial cells
APOBEC3G	22	F	Human umbilical vein endothelial cells
APOL3	22	F	Human umbilical vein endothelial cells
APOL6	22	F	Human umbilical vein endothelial cells
ARHGAP6	X	F	Human umbilical vein endothelial cells
ARSD	X	F	Human umbilical vein endothelial cells
BEX2	X	F	Human umbilical vein endothelial cells
BTK	X	F	Human umbilical vein endothelial cells
CA5B	X	F	Human umbilical vein endothelial cells
CHRD1	X	F	Human umbilical vein endothelial cells

CYBB	X	F	Human umbilical vein endothelial cells
EIF1AX	X	F	Human umbilical vein endothelial cells
IL1RAPL1	X	F	Human umbilical vein endothelial cells
KDM6A	X	F	Human umbilical vein endothelial cells
KLF8	X	F	Human umbilical vein endothelial cells
OTC	X	F	Human umbilical vein endothelial cells
PRKX	X	F	Human umbilical vein endothelial cells
RGN	X	F	Human umbilical vein endothelial cells
RPS6KA6	X	F	Human umbilical vein endothelial cells
TXLNG	X	F	Human umbilical vein endothelial cells
XG	X	F	Human umbilical vein endothelial cells
ZDHHC15	X	F	Human umbilical vein endothelial cells
ZFX	X	F	Human umbilical vein endothelial cells
ZMAT1	X	F	Human umbilical vein endothelial cells
TDGF1	3	M	Human umbilical vein endothelial cells
ALAS2	X	M	Human umbilical vein endothelial cells
AWAT1	X	M	Human umbilical vein endothelial cells
DDX3Y	Y	M	Human umbilical vein endothelial cells
KDM5D	Y	M	Human umbilical vein endothelial cells
NLGN4Y	Y	M	Human umbilical vein endothelial cells
RBM1A1	Y	M	Human umbilical vein endothelial cells
RPS4Y1	Y	M	Human umbilical vein endothelial cells
RPS4Y2	Y	M	Human umbilical vein endothelial cells
USP9Y	Y	M	Human umbilical vein endothelial cells
UTY	Y	M	Human umbilical vein endothelial cells
VCY	Y	M	Human umbilical vein endothelial cells
ZFY	Y	M	Human umbilical vein endothelial cells
RSP01	1	M	Hypothalamus
DDX3Y	Y	M	Hypothalamus
KDM5D	Y	M	Hypothalamus
NLGN4Y	Y	M	Hypothalamus
RPS4Y1	Y	M	Hypothalamus
USP9Y	Y	M	Hypothalamus
DDX3Y	Y	M	Hypothalamus
EIF1AY	Y	M	Hypothalamus
KDM5D	Y	M	Hypothalamus
NLGN4Y	Y	M	Hypothalamus
PCDH11Y	Y	M	Hypothalamus
RPS4Y1	Y	M	Hypothalamus
TBL1Y	Y	M	Hypothalamus
TMSB4Y	Y	M	Hypothalamus
USP9Y	Y	M	Hypothalamus
UTY	Y	M	Hypothalamus
ZFY	Y	M	Hypothalamus
OLFML3	1	M	Inferior temporal cortex
COL1A2	7	M	Inferior temporal cortex
SDC2	8	M	Inferior temporal cortex
FZD8	10	M	Inferior temporal cortex
COLEC12	18	M	Inferior temporal cortex
DDX3Y	Y	M	Inferior temporal cortex
EIF1AY	Y	M	Inferior temporal cortex
NLGN4Y	Y	M	Inferior temporal cortex
PCDH11Y	Y	M	Inferior temporal cortex
RPS4Y1	Y	M	Inferior temporal cortex
USP9Y	Y	M	Inferior temporal cortex
UTY	Y	M	Inferior temporal cortex
ZFY	Y	M	Inferior temporal cortex
DDX3Y	Y	M	Lung
EIF1AY	Y	M	Lung
KDM5D	Y	M	Lung

NLGN4Y	Y	M	Lung
PCDH11Y	Y	M	Lung
RPS4Y1	Y	M	Lung
TBL1Y	Y	M	Lung
TMSB4Y	Y	M	Lung
USP9Y	Y	M	Lung
UTY	Y	M	Lung
ZFY	Y	M	Lung
S100A10	1	F	Medial prefrontal cortex
C3orf62	3	F	Medial prefrontal cortex
NR3C2	4	F	Medial prefrontal cortex
ZNF793	19	F	Medial prefrontal cortex
PCSK2	20	F	Medial prefrontal cortex
ZFX	X	F	Medial prefrontal cortex
MFAP2	1	M	Medial prefrontal cortex
OLFML3	1	M	Medial prefrontal cortex
COL3A1	2	M	Medial prefrontal cortex
NEUROG2	4	M	Medial prefrontal cortex
IQGAP2	5	M	Medial prefrontal cortex
LIFR	5	M	Medial prefrontal cortex
MEGF10	5	M	Medial prefrontal cortex
SNCAIP	5	M	Medial prefrontal cortex
EZR	6	M	Medial prefrontal cortex
HIST1H1A	6	M	Medial prefrontal cortex
HIST1H2BB	6	M	Medial prefrontal cortex
HIST1H2BC	6	M	Medial prefrontal cortex
HIST1H2BK	6	M	Medial prefrontal cortex
HIST1H3F	6	M	Medial prefrontal cortex
HIST1H4A	6	M	Medial prefrontal cortex
HIST1H4B	6	M	Medial prefrontal cortex
HIST1H4C	6	M	Medial prefrontal cortex
HIST1H4D	6	M	Medial prefrontal cortex
HIST1H4F	6	M	Medial prefrontal cortex
COL1A2	7	M	Medial prefrontal cortex
EEPD1	7	M	Medial prefrontal cortex
FZD8	10	M	Medial prefrontal cortex
ITPRIP	10	M	Medial prefrontal cortex
VIM	10	M	Medial prefrontal cortex
H2AFX	11	M	Medial prefrontal cortex
LYVE1	11	M	Medial prefrontal cortex
PARVA	11	M	Medial prefrontal cortex
RCOR2	11	M	Medial prefrontal cortex
SERPINH1	11	M	Medial prefrontal cortex
ASCL1	12	M	Medial prefrontal cortex
LUM	12	M	Medial prefrontal cortex
PARP4	13	M	Medial prefrontal cortex
EMP2	16	M	Medial prefrontal cortex
ZNF423	16	M	Medial prefrontal cortex
COL1A1	17	M	Medial prefrontal cortex
SLC9A3R1	17	M	Medial prefrontal cortex
COLEC12	18	M	Medial prefrontal cortex
JAG1	20	M	Medial prefrontal cortex
PREX1	20	M	Medial prefrontal cortex
MSN	X	M	Medial prefrontal cortex
TSPAN6	X	M	Medial prefrontal cortex
DDX3Y	Y	M	Medial prefrontal cortex
EIF1AY	Y	M	Medial prefrontal cortex
NLGN4Y	Y	M	Medial prefrontal cortex
PCDH11Y	Y	M	Medial prefrontal cortex
RPS4Y1	Y	M	Medial prefrontal cortex

TMSB4Y	Y	M	Medial prefrontal cortex
USP9Y	Y	M	Medial prefrontal cortex
UTY	Y	M	Medial prefrontal cortex
ZFY	Y	M	Medial prefrontal cortex
KCNIP4	4	M	Mediodorsal nucleus of the thalamus
SERPINB9	6	M	Mediodorsal nucleus of the thalamus
BAMBI	10	M	Mediodorsal nucleus of the thalamus
DDX3Y	Y	M	Mediodorsal nucleus of the thalamus
EIF1AY	Y	M	Mediodorsal nucleus of the thalamus
NLGN4Y	Y	M	Mediodorsal nucleus of the thalamus
PCDH11Y	Y	M	Mediodorsal nucleus of the thalamus
RPS4Y1	Y	M	Mediodorsal nucleus of the thalamus
TMSB4Y	Y	M	Mediodorsal nucleus of the thalamus
USP9Y	Y	M	Mediodorsal nucleus of the thalamus
UTY	Y	M	Mediodorsal nucleus of the thalamus
ZFY	Y	M	Mediodorsal nucleus of the thalamus
DDX3X	X	F	Medulla
EIF2S3	X	F	Medulla
KDM5C	X	F	Medulla
PNPLA4	X	F	Medulla
ZFX	X	F	Medulla
ZRSR2	X	F	Medulla
DDX3Y	Y	M	Medulla
EIF1AY	Y	M	Medulla
KDM5D	Y	M	Medulla
NLGN4Y	Y	M	Medulla
RPS4Y1	Y	M	Medulla
TMSB4Y	Y	M	Medulla
USP9Y	Y	M	Medulla
UTY	Y	M	Medulla
ZFY	Y	M	Medulla
CD48	1	F	Monocyte-derived dendritic cells
CTSK	1	F	Monocyte-derived dendritic cells
GBP1	1	F	Monocyte-derived dendritic cells
GBP3	1	F	Monocyte-derived dendritic cells
KIAA1324	1	F	Monocyte-derived dendritic cells
ADCY3	2	F	Monocyte-derived dendritic cells
REL	2	F	Monocyte-derived dendritic cells
SLC8A1	2	F	Monocyte-derived dendritic cells
STAT4	2	F	Monocyte-derived dendritic cells
TNFAIP6	2	F	Monocyte-derived dendritic cells
ADGRG7	3	F	Monocyte-derived dendritic cells
NFKBIZ	3	F	Monocyte-derived dendritic cells
IL15	4	F	Monocyte-derived dendritic cells
RHOH	4	F	Monocyte-derived dendritic cells
TNIP3	4	F	Monocyte-derived dendritic cells
IRF1	5	F	Monocyte-derived dendritic cells
HIVEP2	6	F	Monocyte-derived dendritic cells
ITGB8	7	F	Monocyte-derived dendritic cells
MSR1	8	F	Monocyte-derived dendritic cells
PTK2B	8	F	Monocyte-derived dendritic cells
SLC05A1	8	F	Monocyte-derived dendritic cells
TRAF1	9	F	Monocyte-derived dendritic cells
TTC39B	9	F	Monocyte-derived dendritic cells
CASP7	10	F	Monocyte-derived dendritic cells
IL2RA	10	F	Monocyte-derived dendritic cells
CD3E	11	F	Monocyte-derived dendritic cells
ABCD2	12	F	Monocyte-derived dendritic cells
GAPDH	12	F	Monocyte-derived dendritic cells
GPR68	14	F	Monocyte-derived dendritic cells

ATP10A	15	F	Monocyte-derived dendritic cells
IL4R	16	F	Monocyte-derived dendritic cells
SLC7A5	16	F	Monocyte-derived dendritic cells
ALOX15B	17	F	Monocyte-derived dendritic cells
BRIP1	17	F	Monocyte-derived dendritic cells
CCR7	17	F	Monocyte-derived dendritic cells
PTPN1	20	F	Monocyte-derived dendritic cells
ARSD	X	F	Monocyte-derived dendritic cells
CFAP47	X	F	Monocyte-derived dendritic cells
CT45A1	X	F	Monocyte-derived dendritic cells
CT45A2	X	F	Monocyte-derived dendritic cells
CT45A3	X	F	Monocyte-derived dendritic cells
CT45A6	X	F	Monocyte-derived dendritic cells
DDX3X	X	F	Monocyte-derived dendritic cells
GAGE12B	X	F	Monocyte-derived dendritic cells
GAGE12G	X	F	Monocyte-derived dendritic cells
GAGE12I	X	F	Monocyte-derived dendritic cells
GAGE12J	X	F	Monocyte-derived dendritic cells
KDM5C	X	F	Monocyte-derived dendritic cells
KDM6A	X	F	Monocyte-derived dendritic cells
PNPLA4	X	F	Monocyte-derived dendritic cells
PRKX	X	F	Monocyte-derived dendritic cells
PUDP	X	F	Monocyte-derived dendritic cells
RPS4X	X	F	Monocyte-derived dendritic cells
SMC1A	X	F	Monocyte-derived dendritic cells
STS	X	F	Monocyte-derived dendritic cells
XAGE5	X	F	Monocyte-derived dendritic cells
ZFX	X	F	Monocyte-derived dendritic cells
ATF2	2	M	Monocyte-derived dendritic cells
GLB1L	2	M	Monocyte-derived dendritic cells
LRRFIP1	2	M	Monocyte-derived dendritic cells
ZNF513	2	M	Monocyte-derived dendritic cells
TEC	4	M	Monocyte-derived dendritic cells
CD24	6	M	Monocyte-derived dendritic cells
FAM26F	6	M	Monocyte-derived dendritic cells
MRAP2	6	M	Monocyte-derived dendritic cells
UST	6	M	Monocyte-derived dendritic cells
STEAP4	7	M	Monocyte-derived dendritic cells
KLF4	9	M	Monocyte-derived dendritic cells
FAM24B	10	M	Monocyte-derived dendritic cells
HPS1	10	M	Monocyte-derived dendritic cells
ST8SIA6	10	M	Monocyte-derived dendritic cells
AP2A2	11	M	Monocyte-derived dendritic cells
IL18	11	M	Monocyte-derived dendritic cells
TNFRSF1A	12	M	Monocyte-derived dendritic cells
GCOM1	15	M	Monocyte-derived dendritic cells
GNAS	20	M	Monocyte-derived dendritic cells
BPY2	Y	M	Monocyte-derived dendritic cells
CDY1	Y	M	Monocyte-derived dendritic cells
DAZ1	Y	M	Monocyte-derived dendritic cells
DAZ2	Y	M	Monocyte-derived dendritic cells
DDX3Y	Y	M	Monocyte-derived dendritic cells
EIF1AY	Y	M	Monocyte-derived dendritic cells
HSFY2	Y	M	Monocyte-derived dendritic cells
KDM5D	Y	M	Monocyte-derived dendritic cells
NLGN4Y	Y	M	Monocyte-derived dendritic cells
PRY	Y	M	Monocyte-derived dendritic cells
RBMY1A1	Y	M	Monocyte-derived dendritic cells
RBMY1B	Y	M	Monocyte-derived dendritic cells
RPS4Y1	Y	M	Monocyte-derived dendritic cells

RPS4Y2	Y	M	Monocyte-derived dendritic cells
TMSB4Y	Y	M	Monocyte-derived dendritic cells
TSPY1	Y	M	Monocyte-derived dendritic cells
TSPY2	Y	M	Monocyte-derived dendritic cells
TSPY3	Y	M	Monocyte-derived dendritic cells
USP9Y	Y	M	Monocyte-derived dendritic cells
UTY	Y	M	Monocyte-derived dendritic cells
XKRY	Y	M	Monocyte-derived dendritic cells
ZFY	Y	M	Monocyte-derived dendritic cells
TPRG1	3	F	Muscle
ERCC6L	X	F	Muscle
MAP7D2	X	F	Muscle
TSPAN5	4	M	Muscle
IRF4	6	M	Muscle
MMP3	11	M	Muscle
AMER2	13	M	Muscle
IRX3	16	M	Muscle
CDH20	18	M	Muscle
GGT7	20	M	Muscle
DDX3Y	Y	M	Muscle
EIF1AY	Y	M	Muscle
KDM5D	Y	M	Muscle
NLGN4Y	Y	M	Muscle
RPS4Y1	Y	M	Muscle
TBL1Y	Y	M	Muscle
TMSB4Y	Y	M	Muscle
USP9Y	Y	M	Muscle
UTY	Y	M	Muscle
ZFY	Y	M	Muscle
ACTG2	2	M	Neocortex
GYPC	2	M	Neocortex
ITIH2	10	M	Neocortex
EMP3	19	M	Neocortex
MAP7D2	X	F	Nerve
CADPS	3	M	Nerve
MMP3	11	M	Nerve
CLIC6	21	M	Nerve
SLITRK4	X	M	Nerve
DDX3Y	Y	M	Nerve
EIF1AY	Y	M	Nerve
KDM5D	Y	M	Nerve
NLGN4Y	Y	M	Nerve
PCDH11Y	Y	M	Nerve
RPS4Y1	Y	M	Nerve
TBL1Y	Y	M	Nerve
TMSB4Y	Y	M	Nerve
USP9Y	Y	M	Nerve
UTY	Y	M	Nerve
ZFY	Y	M	Nerve
DDX3Y	Y	M	Nucleusaccumbens
EIF1AY	Y	M	Nucleusaccumbens
KDM5D	Y	M	Nucleusaccumbens
NLGN4Y	Y	M	Nucleusaccumbens
RPS4Y1	Y	M	Nucleusaccumbens
TBL1Y	Y	M	Nucleusaccumbens
TMSB4Y	Y	M	Nucleusaccumbens
USP9Y	Y	M	Nucleusaccumbens
UTY	Y	M	Nucleusaccumbens
ZFY	Y	M	Nucleusaccumbens
KDM5C	X	F	Occipital cortex

KDM6A	X	F	Occipital cortex
PUDP	X	F	Occipital cortex
ZFX	X	F	Occipital cortex
DDX3Y	Y	M	Occipital cortex
EIF1AY	Y	M	Occipital cortex
KDM5D	Y	M	Occipital cortex
NLG4Y	Y	M	Occipital cortex
RPS4Y1	Y	M	Occipital cortex
TMSB4Y	Y	M	Occipital cortex
USP9Y	Y	M	Occipital cortex
UTY	Y	M	Occipital cortex
ZFY	Y	M	Occipital cortex
PUDP	X	F	Orbital prefrontal cortex
ZFX	X	F	Orbital prefrontal cortex
OLFML3	1	M	Orbital prefrontal cortex
COL3A1	2	M	Orbital prefrontal cortex
SPARC	5	M	Orbital prefrontal cortex
CTGF	6	M	Orbital prefrontal cortex
COL1A2	7	M	Orbital prefrontal cortex
ITIH5	10	M	Orbital prefrontal cortex
LUM	12	M	Orbital prefrontal cortex
RNASE1	14	M	Orbital prefrontal cortex
ISLR	15	M	Orbital prefrontal cortex
COLEC12	18	M	Orbital prefrontal cortex
BGN	X	M	Orbital prefrontal cortex
DDX3Y	Y	M	Orbital prefrontal cortex
EIF1AY	Y	M	Orbital prefrontal cortex
NLG4Y	Y	M	Orbital prefrontal cortex
PCDH11Y	Y	M	Orbital prefrontal cortex
RPS4Y1	Y	M	Orbital prefrontal cortex
TMSB4Y	Y	M	Orbital prefrontal cortex
USP9Y	Y	M	Orbital prefrontal cortex
UTY	Y	M	Orbital prefrontal cortex
ZFY	Y	M	Orbital prefrontal cortex
AGRN	1	F	Peripheral blood mononuclear cells
ARHGEF11	1	F	Peripheral blood mononuclear cells
B3GALT2	1	F	Peripheral blood mononuclear cells
B4GALT3	1	F	Peripheral blood mononuclear cells
CACHD1	1	F	Peripheral blood mononuclear cells
CD1A	1	F	Peripheral blood mononuclear cells
CD1C	1	F	Peripheral blood mononuclear cells
CD55	1	F	Peripheral blood mononuclear cells
CDC42BPA	1	F	Peripheral blood mononuclear cells
CLIC4	1	F	Peripheral blood mononuclear cells
CR1	1	F	Peripheral blood mononuclear cells
CR1L	1	F	Peripheral blood mononuclear cells
CYR61	1	F	Peripheral blood mononuclear cells
DDAH1	1	F	Peripheral blood mononuclear cells
DHRS3	1	F	Peripheral blood mononuclear cells
DNM3	1	F	Peripheral blood mononuclear cells
EGLN1	1	F	Peripheral blood mononuclear cells
FCGR2A	1	F	Peripheral blood mononuclear cells
FCGR2B	1	F	Peripheral blood mononuclear cells
FCGR2C	1	F	Peripheral blood mononuclear cells
FCMR	1	F	Peripheral blood mononuclear cells
FOXD3	1	F	Peripheral blood mononuclear cells
FRRS1	1	F	Peripheral blood mononuclear cells
GPA33	1	F	Peripheral blood mononuclear cells
HFM1	1	F	Peripheral blood mononuclear cells
HHAT	1	F	Peripheral blood mononuclear cells

HIST3H2A	1	F	Peripheral blood mononuclear cells
HORMAD1	1	F	Peripheral blood mononuclear cells
HSPA6	1	F	Peripheral blood mononuclear cells
IFI44L	1	F	Peripheral blood mononuclear cells
IFI6	1	F	Peripheral blood mononuclear cells
IGSF21	1	F	Peripheral blood mononuclear cells
INSL5	1	F	Peripheral blood mononuclear cells
INTS3	1	F	Peripheral blood mononuclear cells
IQCC	1	F	Peripheral blood mononuclear cells
ISG15	1	F	Peripheral blood mononuclear cells
KCNA10	1	F	Peripheral blood mononuclear cells
KCNC4	1	F	Peripheral blood mononuclear cells
KCNK2	1	F	Peripheral blood mononuclear cells
LIN28A	1	F	Peripheral blood mononuclear cells
LOR	1	F	Peripheral blood mononuclear cells
MATN1	1	F	Peripheral blood mononuclear cells
MIER1	1	F	Peripheral blood mononuclear cells
MIXL1	1	F	Peripheral blood mononuclear cells
MUC1	1	F	Peripheral blood mononuclear cells
MYOG	1	F	Peripheral blood mononuclear cells
NLRP3	1	F	Peripheral blood mononuclear cells
NPPA	1	F	Peripheral blood mononuclear cells
NR0B2	1	F	Peripheral blood mononuclear cells
NSL1	1	F	Peripheral blood mononuclear cells
OAZ3	1	F	Peripheral blood mononuclear cells
OBSCN	1	F	Peripheral blood mononuclear cells
OLFML2B	1	F	Peripheral blood mononuclear cells
OPN3	1	F	Peripheral blood mononuclear cells
OR10K1	1	F	Peripheral blood mononuclear cells
PAFAH2	1	F	Peripheral blood mononuclear cells
PBX1	1	F	Peripheral blood mononuclear cells
PDE4B	1	F	Peripheral blood mononuclear cells
PDZK1IP1	1	F	Peripheral blood mononuclear cells
RHD	1	F	Peripheral blood mononuclear cells
S100A7A	1	F	Peripheral blood mononuclear cells
SMAP2	1	F	Peripheral blood mononuclear cells
SORT1	1	F	Peripheral blood mononuclear cells
ST7L	1	F	Peripheral blood mononuclear cells
TAF13	1	F	Peripheral blood mononuclear cells
TAL1	1	F	Peripheral blood mononuclear cells
THRAP3	1	F	Peripheral blood mononuclear cells
TRIM63	1	F	Peripheral blood mononuclear cells
VWA1	1	F	Peripheral blood mononuclear cells
WDC1	1	F	Peripheral blood mononuclear cells
ACADL	2	F	Peripheral blood mononuclear cells
ALPI	2	F	Peripheral blood mononuclear cells
ALS2CR12	2	F	Peripheral blood mononuclear cells
APOB	2	F	Peripheral blood mononuclear cells
ASAP2	2	F	Peripheral blood mononuclear cells
BBS5	2	F	Peripheral blood mononuclear cells
BCL2L11	2	F	Peripheral blood mononuclear cells
C2orf82	2	F	Peripheral blood mononuclear cells
CD8B	2	F	Peripheral blood mononuclear cells
CMPK2	2	F	Peripheral blood mononuclear cells
COPS8	2	F	Peripheral blood mononuclear cells
CYP26B1	2	F	Peripheral blood mononuclear cells
DES	2	F	Peripheral blood mononuclear cells
DNAH6	2	F	Peripheral blood mononuclear cells
EDAR	2	F	Peripheral blood mononuclear cells
EFEMP1	2	F	Peripheral blood mononuclear cells

EIF2AK3	2	F	Peripheral blood mononuclear cells
FAM124B	2	F	Peripheral blood mononuclear cells
FIGN	2	F	Peripheral blood mononuclear cells
GAD1	2	F	Peripheral blood mononuclear cells
GBX2	2	F	Peripheral blood mononuclear cells
GCG	2	F	Peripheral blood mononuclear cells
GPR39	2	F	Peripheral blood mononuclear cells
GRB14	2	F	Peripheral blood mononuclear cells
HOXD1	2	F	Peripheral blood mononuclear cells
HOXD13	2	F	Peripheral blood mononuclear cells
ID2	2	F	Peripheral blood mononuclear cells
IFT172	2	F	Peripheral blood mononuclear cells
IGFBP2	2	F	Peripheral blood mononuclear cells
IL1R1	2	F	Peripheral blood mononuclear cells
IL1RN	2	F	Peripheral blood mononuclear cells
LOXL3	2	F	Peripheral blood mononuclear cells
M1AP	2	F	Peripheral blood mononuclear cells
MYCN	2	F	Peripheral blood mononuclear cells
NCKAP5	2	F	Peripheral blood mononuclear cells
NCOA1	2	F	Peripheral blood mononuclear cells
NEU2	2	F	Peripheral blood mononuclear cells
NXPH2	2	F	Peripheral blood mononuclear cells
PUM2	2	F	Peripheral blood mononuclear cells
RAPGEF4	2	F	Peripheral blood mononuclear cells
REG1B	2	F	Peripheral blood mononuclear cells
RGPD5	2	F	Peripheral blood mononuclear cells
RGPD6	2	F	Peripheral blood mononuclear cells
RHBDD1	2	F	Peripheral blood mononuclear cells
RSAD2	2	F	Peripheral blood mononuclear cells
SCN9A	2	F	Peripheral blood mononuclear cells
SERTAD2	2	F	Peripheral blood mononuclear cells
SH3RF3	2	F	Peripheral blood mononuclear cells
SNED1	2	F	Peripheral blood mononuclear cells
SP3	2	F	Peripheral blood mononuclear cells
SP5	2	F	Peripheral blood mononuclear cells
TANC1	2	F	Peripheral blood mononuclear cells
TMEFF2	2	F	Peripheral blood mononuclear cells
TMEM37	2	F	Peripheral blood mononuclear cells
TNFAIP6	2	F	Peripheral blood mononuclear cells
UBR3	2	F	Peripheral blood mononuclear cells
ABCC5	3	F	Peripheral blood mononuclear cells
ACAD9	3	F	Peripheral blood mononuclear cells
ALS2CL	3	F	Peripheral blood mononuclear cells
AMIGO3	3	F	Peripheral blood mononuclear cells
ATP13A5	3	F	Peripheral blood mononuclear cells
C3orf36	3	F	Peripheral blood mononuclear cells
CAND2	3	F	Peripheral blood mononuclear cells
CCDC39	3	F	Peripheral blood mononuclear cells
CCR9	3	F	Peripheral blood mononuclear cells
CHL1	3	F	Peripheral blood mononuclear cells
CISH	3	F	Peripheral blood mononuclear cells
DCBLD2	3	F	Peripheral blood mononuclear cells
DGKG	3	F	Peripheral blood mononuclear cells
DPPA4	3	F	Peripheral blood mononuclear cells
EPHB3	3	F	Peripheral blood mononuclear cells
FETUB	3	F	Peripheral blood mononuclear cells
FLNB	3	F	Peripheral blood mononuclear cells
FNDC3B	3	F	Peripheral blood mononuclear cells
GPR149	3	F	Peripheral blood mononuclear cells
HEG1	3	F	Peripheral blood mononuclear cells

ILDR1	3	F	Peripheral blood mononuclear cells
IQCF2	3	F	Peripheral blood mononuclear cells
ITGB5	3	F	Peripheral blood mononuclear cells
MRAS	3	F	Peripheral blood mononuclear cells
NFKBIZ	3	F	Peripheral blood mononuclear cells
OSBPL10	3	F	Peripheral blood mononuclear cells
PLA1A	3	F	Peripheral blood mononuclear cells
PLS1	3	F	Peripheral blood mononuclear cells
PLXND1	3	F	Peripheral blood mononuclear cells
PRSS50	3	F	Peripheral blood mononuclear cells
RARB	3	F	Peripheral blood mononuclear cells
RARRES1	3	F	Peripheral blood mononuclear cells
SLC4A7	3	F	Peripheral blood mononuclear cells
TDGF1	3	F	Peripheral blood mononuclear cells
TF	3	F	Peripheral blood mononuclear cells
TM4SF18	3	F	Peripheral blood mononuclear cells
TMPPE	3	F	Peripheral blood mononuclear cells
UPK1B	3	F	Peripheral blood mononuclear cells
USP13	3	F	Peripheral blood mononuclear cells
VIPR1	3	F	Peripheral blood mononuclear cells
ADH1B	4	F	Peripheral blood mononuclear cells
ADH6	4	F	Peripheral blood mononuclear cells
ARHGAP10	4	F	Peripheral blood mononuclear cells
CKKAR	4	F	Peripheral blood mononuclear cells
CD38	4	F	Peripheral blood mononuclear cells
CXCL5	4	F	Peripheral blood mononuclear cells
DCHS2	4	F	Peripheral blood mononuclear cells
FAM13A	4	F	Peripheral blood mononuclear cells
GK2	4	F	Peripheral blood mononuclear cells
HERC5	4	F	Peripheral blood mononuclear cells
IRF2	4	F	Peripheral blood mononuclear cells
KLHL5	4	F	Peripheral blood mononuclear cells
MSANTD1	4	F	Peripheral blood mononuclear cells
PALLD	4	F	Peripheral blood mononuclear cells
PAPSS1	4	F	Peripheral blood mononuclear cells
PDGFRA	4	F	Peripheral blood mononuclear cells
PDLIM3	4	F	Peripheral blood mononuclear cells
PDLIM5	4	F	Peripheral blood mononuclear cells
PF4V1	4	F	Peripheral blood mononuclear cells
PTPN13	4	F	Peripheral blood mononuclear cells
RBM46	4	F	Peripheral blood mononuclear cells
SFRP2	4	F	Peripheral blood mononuclear cells
SH3RF1	4	F	Peripheral blood mononuclear cells
SHROOM3	4	F	Peripheral blood mononuclear cells
SLC10A4	4	F	Peripheral blood mononuclear cells
STOX2	4	F	Peripheral blood mononuclear cells
SULT1E1	4	F	Peripheral blood mononuclear cells
UGT2B4	4	F	Peripheral blood mononuclear cells
ADAMTS16	5	F	Peripheral blood mononuclear cells
ADGRV1	5	F	Peripheral blood mononuclear cells
ALDH7A1	5	F	Peripheral blood mononuclear cells
ANKRD55	5	F	Peripheral blood mononuclear cells
ARHGAP26	5	F	Peripheral blood mononuclear cells
ARRDC3	5	F	Peripheral blood mononuclear cells
CMBL	5	F	Peripheral blood mononuclear cells
DDX4	5	F	Peripheral blood mononuclear cells
EGR1	5	F	Peripheral blood mononuclear cells
FAM193B	5	F	Peripheral blood mononuclear cells
FGF18	5	F	Peripheral blood mononuclear cells
GABRA6	5	F	Peripheral blood mononuclear cells

GPX8	5	F	Peripheral blood mononuclear cells
HAVCR1	5	F	Peripheral blood mononuclear cells
HBEGF	5	F	Peripheral blood mononuclear cells
HOMER1	5	F	Peripheral blood mononuclear cells
KCNN2	5	F	Peripheral blood mononuclear cells
LPCAT1	5	F	Peripheral blood mononuclear cells
MARVELD2	5	F	Peripheral blood mononuclear cells
MYOT	5	F	Peripheral blood mononuclear cells
NREP	5	F	Peripheral blood mononuclear cells
PCDHB7	5	F	Peripheral blood mononuclear cells
PDE8B	5	F	Peripheral blood mononuclear cells
PLPP1	5	F	Peripheral blood mononuclear cells
POLR3G	5	F	Peripheral blood mononuclear cells
ROPN1L	5	F	Peripheral blood mononuclear cells
SHROOM1	5	F	Peripheral blood mononuclear cells
SPATA9	5	F	Peripheral blood mononuclear cells
SRP19	5	F	Peripheral blood mononuclear cells
SSBP2	5	F	Peripheral blood mononuclear cells
TIMD4	5	F	Peripheral blood mononuclear cells
TTC23L	5	F	Peripheral blood mononuclear cells
UBE2D2	5	F	Peripheral blood mononuclear cells
UBE2QL1	5	F	Peripheral blood mononuclear cells
ZNF300	5	F	Peripheral blood mononuclear cells
AIF1	6	F	Peripheral blood mononuclear cells
ANKS1A	6	F	Peripheral blood mononuclear cells
ARG1	6	F	Peripheral blood mononuclear cells
BACH2	6	F	Peripheral blood mononuclear cells
BVES	6	F	Peripheral blood mononuclear cells
C6orf25	6	F	Peripheral blood mononuclear cells
CRISP2	6	F	Peripheral blood mononuclear cells
DUSP22	6	F	Peripheral blood mononuclear cells
EPB41L2	6	F	Peripheral blood mononuclear cells
GNL1	6	F	Peripheral blood mononuclear cells
GRIK2	6	F	Peripheral blood mononuclear cells
GTF2H4	6	F	Peripheral blood mononuclear cells
HFE	6	F	Peripheral blood mononuclear cells
HIST1H2BA	6	F	Peripheral blood mononuclear cells
HIST1H2BK	6	F	Peripheral blood mononuclear cells
HIST1H2BL	6	F	Peripheral blood mononuclear cells
HIST1H3A	6	F	Peripheral blood mononuclear cells
HIST1H3G	6	F	Peripheral blood mononuclear cells
HIST1H4B	6	F	Peripheral blood mononuclear cells
HIST1H4E	6	F	Peripheral blood mononuclear cells
HLA-DQB1	6	F	Peripheral blood mononuclear cells
HLA-DRB1	6	F	Peripheral blood mononuclear cells
HLA-DRB5	6	F	Peripheral blood mononuclear cells
IMPG1	6	F	Peripheral blood mononuclear cells
KHDRBS2	6	F	Peripheral blood mononuclear cells
LAMA2	6	F	Peripheral blood mononuclear cells
OR11A1	6	F	Peripheral blood mononuclear cells
PDE7B	6	F	Peripheral blood mononuclear cells
PIM1	6	F	Peripheral blood mononuclear cells
PLG	6	F	Peripheral blood mononuclear cells
PLN	6	F	Peripheral blood mononuclear cells
PTCHD4	6	F	Peripheral blood mononuclear cells
RAB23	6	F	Peripheral blood mononuclear cells
RNF144B	6	F	Peripheral blood mononuclear cells
SFT2D1	6	F	Peripheral blood mononuclear cells
SGK1	6	F	Peripheral blood mononuclear cells
SIRT5	6	F	Peripheral blood mononuclear cells

SOBP	6	F	Peripheral blood mononuclear cells
SYNGAP1	6	F	Peripheral blood mononuclear cells
TINAG	6	F	Peripheral blood mononuclear cells
TRERF1	6	F	Peripheral blood mononuclear cells
VIP	6	F	Peripheral blood mononuclear cells
VNN2	6	F	Peripheral blood mononuclear cells
AASS	7	F	Peripheral blood mononuclear cells
ADAM22	7	F	Peripheral blood mononuclear cells
ATG9B	7	F	Peripheral blood mononuclear cells
AVL9	7	F	Peripheral blood mononuclear cells
BAIAP2L1	7	F	Peripheral blood mononuclear cells
BRAF	7	F	Peripheral blood mononuclear cells
CALN1	7	F	Peripheral blood mononuclear cells
CDCA7L	7	F	Peripheral blood mononuclear cells
CDK14	7	F	Peripheral blood mononuclear cells
CDK6	7	F	Peripheral blood mononuclear cells
CEP41	7	F	Peripheral blood mononuclear cells
CNTNAP2	7	F	Peripheral blood mononuclear cells
CPED1	7	F	Peripheral blood mononuclear cells
CREB5	7	F	Peripheral blood mononuclear cells
CUX1	7	F	Peripheral blood mononuclear cells
DLX6	7	F	Peripheral blood mononuclear cells
EPO	7	F	Peripheral blood mononuclear cells
FKBP6	7	F	Peripheral blood mononuclear cells
GAL3ST4	7	F	Peripheral blood mononuclear cells
GATSL2	7	F	Peripheral blood mononuclear cells
GET4	7	F	Peripheral blood mononuclear cells
GNAI1	7	F	Peripheral blood mononuclear cells
GPR141	7	F	Peripheral blood mononuclear cells
GRM8	7	F	Peripheral blood mononuclear cells
HDAC9	7	F	Peripheral blood mononuclear cells
HOXA9	7	F	Peripheral blood mononuclear cells
LMTK2	7	F	Peripheral blood mononuclear cells
NFE2L3	7	F	Peripheral blood mononuclear cells
NOS3	7	F	Peripheral blood mononuclear cells
OPN1SW	7	F	Peripheral blood mononuclear cells
POLR2J3	7	F	Peripheral blood mononuclear cells
PPP1R3A	7	F	Peripheral blood mononuclear cells
PSPH	7	F	Peripheral blood mononuclear cells
RASA4	7	F	Peripheral blood mononuclear cells
SEMA3A	7	F	Peripheral blood mononuclear cells
SLC13A1	7	F	Peripheral blood mononuclear cells
SPDYE1	7	F	Peripheral blood mononuclear cells
SPDYE2	7	F	Peripheral blood mononuclear cells
SPDYE5	7	F	Peripheral blood mononuclear cells
STEAP4	7	F	Peripheral blood mononuclear cells
SUN1	7	F	Peripheral blood mononuclear cells
TPST1	7	F	Peripheral blood mononuclear cells
UPP1	7	F	Peripheral blood mononuclear cells
VIPR2	7	F	Peripheral blood mononuclear cells
WIPF3	7	F	Peripheral blood mononuclear cells
ZNF777	7	F	Peripheral blood mononuclear cells
ANGPT1	8	F	Peripheral blood mononuclear cells
ANK1	8	F	Peripheral blood mononuclear cells
C8orf4	8	F	Peripheral blood mononuclear cells
DEFA6	8	F	Peripheral blood mononuclear cells
DEPTOR	8	F	Peripheral blood mononuclear cells
ENPP2	8	F	Peripheral blood mononuclear cells
EXT1	8	F	Peripheral blood mononuclear cells
FAM83H	8	F	Peripheral blood mononuclear cells

FAM92A1	8	F	Peripheral blood mononuclear cells
HAS2	8	F	Peripheral blood mononuclear cells
MMP16	8	F	Peripheral blood mononuclear cells
MSR1	8	F	Peripheral blood mononuclear cells
NRG1	8	F	Peripheral blood mononuclear cells
PTK2	8	F	Peripheral blood mononuclear cells
PURG	8	F	Peripheral blood mononuclear cells
RHPN1	8	F	Peripheral blood mononuclear cells
SFRP1	8	F	Peripheral blood mononuclear cells
SPAG11B	8	F	Peripheral blood mononuclear cells
TACC1	8	F	Peripheral blood mononuclear cells
TMEM71	8	F	Peripheral blood mononuclear cells
TOX	8	F	Peripheral blood mononuclear cells
TRHR	8	F	Peripheral blood mononuclear cells
ASPN	9	F	Peripheral blood mononuclear cells
CDKN2B	9	F	Peripheral blood mononuclear cells
CNTNAP3B	9	F	Peripheral blood mononuclear cells
EPB41L4B	9	F	Peripheral blood mononuclear cells
FAM120AOS	9	F	Peripheral blood mononuclear cells
FIBCD1	9	F	Peripheral blood mononuclear cells
GADD45G	9	F	Peripheral blood mononuclear cells
GSN	9	F	Peripheral blood mononuclear cells
KANK1	9	F	Peripheral blood mononuclear cells
KIAA1161	9	F	Peripheral blood mononuclear cells
KIAA1958	9	F	Peripheral blood mononuclear cells
MLLT3	9	F	Peripheral blood mononuclear cells
MTAP	9	F	Peripheral blood mononuclear cells
OR1L6	9	F	Peripheral blood mononuclear cells
ORM1	9	F	Peripheral blood mononuclear cells
ORM2	9	F	Peripheral blood mononuclear cells
PHYHD1	9	F	Peripheral blood mononuclear cells
SEMA4D	9	F	Peripheral blood mononuclear cells
SLC28A3	9	F	Peripheral blood mononuclear cells
SLC31A1	9	F	Peripheral blood mononuclear cells
SPATA6L	9	F	Peripheral blood mononuclear cells
STOM	9	F	Peripheral blood mononuclear cells
TLE4	9	F	Peripheral blood mononuclear cells
TMEM2	9	F	Peripheral blood mononuclear cells
TMEM245	9	F	Peripheral blood mononuclear cells
TMEM38B	9	F	Peripheral blood mononuclear cells
TRBV21OR9-2	9	F	Peripheral blood mononuclear cells
MARCH8	10	F	Peripheral blood mononuclear cells
ANKRD30A	10	F	Peripheral blood mononuclear cells
ARHGAP12	10	F	Peripheral blood mononuclear cells
ARID5B	10	F	Peripheral blood mononuclear cells
ATRNL1	10	F	Peripheral blood mononuclear cells
BICC1	10	F	Peripheral blood mononuclear cells
C10orf53	10	F	Peripheral blood mononuclear cells
DNMBP	10	F	Peripheral blood mononuclear cells
FFAR4	10	F	Peripheral blood mononuclear cells
FGFR2	10	F	Peripheral blood mononuclear cells
IFIT1	10	F	Peripheral blood mononuclear cells
IFIT2	10	F	Peripheral blood mononuclear cells
IFIT3	10	F	Peripheral blood mononuclear cells
LIPA	10	F	Peripheral blood mononuclear cells
MFSD13A	10	F	Peripheral blood mononuclear cells
MXK	10	F	Peripheral blood mononuclear cells
NRP1	10	F	Peripheral blood mononuclear cells
PAPSS2	10	F	Peripheral blood mononuclear cells
PARD3	10	F	Peripheral blood mononuclear cells

RHOBTB1	10	F	Peripheral blood mononuclear cells
RTKN2	10	F	Peripheral blood mononuclear cells
TACR2	10	F	Peripheral blood mononuclear cells
TEX36	10	F	Peripheral blood mononuclear cells
WNT8B	10	F	Peripheral blood mononuclear cells
APBB1	11	F	Peripheral blood mononuclear cells
ATG16L2	11	F	Peripheral blood mononuclear cells
BACE1	11	F	Peripheral blood mononuclear cells
C11orf74	11	F	Peripheral blood mononuclear cells
C11orf95	11	F	Peripheral blood mononuclear cells
CD3E	11	F	Peripheral blood mononuclear cells
CHID1	11	F	Peripheral blood mononuclear cells
CNTN5	11	F	Peripheral blood mononuclear cells
CORO1B	11	F	Peripheral blood mononuclear cells
DDIAS	11	F	Peripheral blood mononuclear cells
EHF	11	F	Peripheral blood mononuclear cells
EIF3F	11	F	Peripheral blood mononuclear cells
FOLR2	11	F	Peripheral blood mononuclear cells
FZD4	11	F	Peripheral blood mononuclear cells
HBG1	11	F	Peripheral blood mononuclear cells
HBG2	11	F	Peripheral blood mononuclear cells
IFITM3	11	F	Peripheral blood mononuclear cells
IRF7	11	F	Peripheral blood mononuclear cells
LGR4	11	F	Peripheral blood mononuclear cells
MMP1	11	F	Peripheral blood mononuclear cells
MS4A4A	11	F	Peripheral blood mononuclear cells
MUC5AC	11	F	Peripheral blood mononuclear cells
MYEOV	11	F	Peripheral blood mononuclear cells
OR10A2	11	F	Peripheral blood mononuclear cells
OR2AG2	11	F	Peripheral blood mononuclear cells
OR2D2	11	F	Peripheral blood mononuclear cells
OR52E5	11	F	Peripheral blood mononuclear cells
OR56A3	11	F	Peripheral blood mononuclear cells
OR56A4	11	F	Peripheral blood mononuclear cells
OR5M10	11	F	Peripheral blood mononuclear cells
OR5M11	11	F	Peripheral blood mononuclear cells
PC	11	F	Peripheral blood mononuclear cells
PGA3	11	F	Peripheral blood mononuclear cells
PGA4	11	F	Peripheral blood mononuclear cells
PGA5	11	F	Peripheral blood mononuclear cells
PKNOX2	11	F	Peripheral blood mononuclear cells
RASGRP2	11	F	Peripheral blood mononuclear cells
RBM14	11	F	Peripheral blood mononuclear cells
RNF169	11	F	Peripheral blood mononuclear cells
RTN4RL2	11	F	Peripheral blood mononuclear cells
SCGB2A1	11	F	Peripheral blood mononuclear cells
SMPD1	11	F	Peripheral blood mononuclear cells
SYTL2	11	F	Peripheral blood mononuclear cells
TEX12	11	F	Peripheral blood mononuclear cells
TMEM134	11	F	Peripheral blood mononuclear cells
TMEM45B	11	F	Peripheral blood mononuclear cells
TMEM86A	11	F	Peripheral blood mononuclear cells
UNC93B1	11	F	Peripheral blood mononuclear cells
UNC93B6	11	F	Peripheral blood mononuclear cells
UPK2	11	F	Peripheral blood mononuclear cells
ZBTB16	11	F	Peripheral blood mononuclear cells
ZNF215	11	F	Peripheral blood mononuclear cells
ACRBP	12	F	Peripheral blood mononuclear cells
ACVRL1	12	F	Peripheral blood mononuclear cells
AICDA	12	F	Peripheral blood mononuclear cells

ARHGAP9	12	F	Peripheral blood mononuclear cells
ASIC1	12	F	Peripheral blood mononuclear cells
AVIL	12	F	Peripheral blood mononuclear cells
C12orf42	12	F	Peripheral blood mononuclear cells
CACNB3	12	F	Peripheral blood mononuclear cells
CD163	12	F	Peripheral blood mononuclear cells
CDK2	12	F	Peripheral blood mononuclear cells
CLEC4E	12	F	Peripheral blood mononuclear cells
CSAD	12	F	Peripheral blood mononuclear cells
FAIM2	12	F	Peripheral blood mononuclear cells
FGD6	12	F	Peripheral blood mononuclear cells
GLT8D2	12	F	Peripheral blood mononuclear cells
KCNH3	12	F	Peripheral blood mononuclear cells
LUM	12	F	Peripheral blood mononuclear cells
MFAP5	12	F	Peripheral blood mononuclear cells
MMP19	12	F	Peripheral blood mononuclear cells
NAV3	12	F	Peripheral blood mononuclear cells
NCOR2	12	F	Peripheral blood mononuclear cells
OAS1	12	F	Peripheral blood mononuclear cells
OAS3	12	F	Peripheral blood mononuclear cells
OASL	12	F	Peripheral blood mononuclear cells
PCED1B	12	F	Peripheral blood mononuclear cells
PDE3A	12	F	Peripheral blood mononuclear cells
PDZRN4	12	F	Peripheral blood mononuclear cells
PITPNM2	12	F	Peripheral blood mononuclear cells
SCN8A	12	F	Peripheral blood mononuclear cells
SETD1B	12	F	Peripheral blood mononuclear cells
SLC2A13	12	F	Peripheral blood mononuclear cells
SOCS2	12	F	Peripheral blood mononuclear cells
SSPN	12	F	Peripheral blood mononuclear cells
TPCN1	12	F	Peripheral blood mononuclear cells
TWF1	12	F	Peripheral blood mononuclear cells
CYSTM1	13	F	Peripheral blood mononuclear cells
DACH1	13	F	Peripheral blood mononuclear cells
EDNRB	13	F	Peripheral blood mononuclear cells
FLT1	13	F	Peripheral blood mononuclear cells
ITGBL1	13	F	Peripheral blood mononuclear cells
KCTD4	13	F	Peripheral blood mononuclear cells
KLHL1	13	F	Peripheral blood mononuclear cells
NBEA	13	F	Peripheral blood mononuclear cells
PCCA	13	F	Peripheral blood mononuclear cells
POU4F1	13	F	Peripheral blood mononuclear cells
RGCC	13	F	Peripheral blood mononuclear cells
TBC1D4	13	F	Peripheral blood mononuclear cells
TMEM255B	13	F	Peripheral blood mononuclear cells
ANKRD9	14	F	Peripheral blood mononuclear cells
DACT1	14	F	Peripheral blood mononuclear cells
DPF3	14	F	Peripheral blood mononuclear cells
DYNC1H1	14	F	Peripheral blood mononuclear cells
FRMD6	14	F	Peripheral blood mononuclear cells
GALC	14	F	Peripheral blood mononuclear cells
GALNT16	14	F	Peripheral blood mononuclear cells
GPX2	14	F	Peripheral blood mononuclear cells
IGHG1	14	F	Peripheral blood mononuclear cells
LGALS3	14	F	Peripheral blood mononuclear cells
LGMN	14	F	Peripheral blood mononuclear cells
NOVA1	14	F	Peripheral blood mononuclear cells
NPAS3	14	F	Peripheral blood mononuclear cells
PELI2	14	F	Peripheral blood mononuclear cells
RNASE3	14	F	Peripheral blood mononuclear cells

RPS6KL1	14	F	Peripheral blood mononuclear cells
SERPINA10	14	F	Peripheral blood mononuclear cells
SGPP1	14	F	Peripheral blood mononuclear cells
SLC39A9	14	F	Peripheral blood mononuclear cells
SLC7A8	14	F	Peripheral blood mononuclear cells
ZNF839	14	F	Peripheral blood mononuclear cells
ANPEP	15	F	Peripheral blood mononuclear cells
BMF	15	F	Peripheral blood mononuclear cells
FAM189A1	15	F	Peripheral blood mononuclear cells
FSD2	15	F	Peripheral blood mononuclear cells
GCOM1	15	F	Peripheral blood mononuclear cells
HYKK	15	F	Peripheral blood mononuclear cells
JMJD7-PLA2G4B	15	F	Peripheral blood mononuclear cells
MAN2C1	15	F	Peripheral blood mononuclear cells
NEDD4	15	F	Peripheral blood mononuclear cells
NR2E3	15	F	Peripheral blood mononuclear cells
NR2F2	15	F	Peripheral blood mononuclear cells
PCSK6	15	F	Peripheral blood mononuclear cells
RGMA	15	F	Peripheral blood mononuclear cells
STARD9	15	F	Peripheral blood mononuclear cells
TMOD2	15	F	Peripheral blood mononuclear cells
TRPM1	15	F	Peripheral blood mononuclear cells
UACA	15	F	Peripheral blood mononuclear cells
ADCY9	16	F	Peripheral blood mononuclear cells
ADGRG5	16	F	Peripheral blood mononuclear cells
BANP	16	F	Peripheral blood mononuclear cells
CARHSP1	16	F	Peripheral blood mononuclear cells
CDH1	16	F	Peripheral blood mononuclear cells
CMTM1	16	F	Peripheral blood mononuclear cells
CPNE2	16	F	Peripheral blood mononuclear cells
DNASE1	16	F	Peripheral blood mononuclear cells
DOK4	16	F	Peripheral blood mononuclear cells
EMP2	16	F	Peripheral blood mononuclear cells
ITGAX	16	F	Peripheral blood mononuclear cells
KATNB1	16	F	Peripheral blood mononuclear cells
KDM8	16	F	Peripheral blood mononuclear cells
MT1F	16	F	Peripheral blood mononuclear cells
MT1M	16	F	Peripheral blood mononuclear cells
MT2A	16	F	Peripheral blood mononuclear cells
MYH11	16	F	Peripheral blood mononuclear cells
PMFBP1	16	F	Peripheral blood mononuclear cells
SALL1	16	F	Peripheral blood mononuclear cells
SLC38A7	16	F	Peripheral blood mononuclear cells
SOCS1	16	F	Peripheral blood mononuclear cells
TPPP3	16	F	Peripheral blood mononuclear cells
TPSB2	16	F	Peripheral blood mononuclear cells
TSR3	16	F	Peripheral blood mononuclear cells
ZFHX3	16	F	Peripheral blood mononuclear cells
ZG16B	16	F	Peripheral blood mononuclear cells
ZNF646	16	F	Peripheral blood mononuclear cells
APOH	17	F	Peripheral blood mononuclear cells
ATP6V0A1	17	F	Peripheral blood mononuclear cells
AXIN2	17	F	Peripheral blood mononuclear cells
B9D1	17	F	Peripheral blood mononuclear cells
BAIAP2	17	F	Peripheral blood mononuclear cells
C17orf98	17	F	Peripheral blood mononuclear cells
CCDC57	17	F	Peripheral blood mononuclear cells
CCL8	17	F	Peripheral blood mononuclear cells
CCR7	17	F	Peripheral blood mononuclear cells
CD300E	17	F	Peripheral blood mononuclear cells

CEP112	17	F	Peripheral blood mononuclear cells
CFAP52	17	F	Peripheral blood mononuclear cells
CSHL1	17	F	Peripheral blood mononuclear cells
CSNK1D	17	F	Peripheral blood mononuclear cells
CTC1	17	F	Peripheral blood mononuclear cells
CUEDC1	17	F	Peripheral blood mononuclear cells
DCXR	17	F	Peripheral blood mononuclear cells
EPN2	17	F	Peripheral blood mononuclear cells
FSCN2	17	F	Peripheral blood mononuclear cells
GH2	17	F	Peripheral blood mononuclear cells
GIP	17	F	Peripheral blood mononuclear cells
GRB7	17	F	Peripheral blood mononuclear cells
KCNJ12	17	F	Peripheral blood mononuclear cells
KRT12	17	F	Peripheral blood mononuclear cells
KRT13	17	F	Peripheral blood mononuclear cells
KRT222	17	F	Peripheral blood mononuclear cells
KRT23	17	F	Peripheral blood mononuclear cells
KRTAP9-9	17	F	Peripheral blood mononuclear cells
LRRC37A2	17	F	Peripheral blood mononuclear cells
MINK1	17	F	Peripheral blood mononuclear cells
MMP28	17	F	Peripheral blood mononuclear cells
PECAM1	17	F	Peripheral blood mononuclear cells
PITPNC1	17	F	Peripheral blood mononuclear cells
PMP22	17	F	Peripheral blood mononuclear cells
RTN4RL1	17	F	Peripheral blood mononuclear cells
SLC26A11	17	F	Peripheral blood mononuclear cells
SLC43A2	17	F	Peripheral blood mononuclear cells
TEX14	17	F	Peripheral blood mononuclear cells
TOM1L2	17	F	Peripheral blood mononuclear cells
UBALD2	17	F	Peripheral blood mononuclear cells
CCDC102B	18	F	Peripheral blood mononuclear cells
CTDP1	18	F	Peripheral blood mononuclear cells
DLGAP1	18	F	Peripheral blood mononuclear cells
DSEL	18	F	Peripheral blood mononuclear cells
GNAL	18	F	Peripheral blood mononuclear cells
MAPRE2	18	F	Peripheral blood mononuclear cells
PHLPP1	18	F	Peripheral blood mononuclear cells
PTPRM	18	F	Peripheral blood mononuclear cells
SERPINB4	18	F	Peripheral blood mononuclear cells
SOCS6	18	F	Peripheral blood mononuclear cells
ZNF521	18	F	Peripheral blood mononuclear cells
ABCA7	19	F	Peripheral blood mononuclear cells
ADAMTS10	19	F	Peripheral blood mononuclear cells
ADAMTSL5	19	F	Peripheral blood mononuclear cells
ADGRE3	19	F	Peripheral blood mononuclear cells
ATP1A3	19	F	Peripheral blood mononuclear cells
ATP8B3	19	F	Peripheral blood mononuclear cells
C19orf44	19	F	Peripheral blood mononuclear cells
CC2D1A	19	F	Peripheral blood mononuclear cells
CD209	19	F	Peripheral blood mononuclear cells
CEACAM1	19	F	Peripheral blood mononuclear cells
CYP2B6	19	F	Peripheral blood mononuclear cells
DMWD	19	F	Peripheral blood mononuclear cells
FCGBP	19	F	Peripheral blood mononuclear cells
HCST	19	F	Peripheral blood mononuclear cells
IL4I1	19	F	Peripheral blood mononuclear cells
ISYNA1	19	F	Peripheral blood mononuclear cells
KCNK6	19	F	Peripheral blood mononuclear cells
KLK12	19	F	Peripheral blood mononuclear cells
LAIR1	19	F	Peripheral blood mononuclear cells

LIG1	19	F	Peripheral blood mononuclear cells
NFIX	19	F	Peripheral blood mononuclear cells
NLRP2	19	F	Peripheral blood mononuclear cells
NOSIP	19	F	Peripheral blood mononuclear cells
NUP62	19	F	Peripheral blood mononuclear cells
OR7A5	19	F	Peripheral blood mononuclear cells
OR7C2	19	F	Peripheral blood mononuclear cells
PLPPR3	19	F	Peripheral blood mononuclear cells
PTGIR	19	F	Peripheral blood mononuclear cells
RFX2	19	F	Peripheral blood mononuclear cells
RRAS	19	F	Peripheral blood mononuclear cells
SAE1	19	F	Peripheral blood mononuclear cells
SIGLEC11	19	F	Peripheral blood mononuclear cells
SIGLEC8	19	F	Peripheral blood mononuclear cells
SPPL2B	19	F	Peripheral blood mononuclear cells
TDRD12	19	F	Peripheral blood mononuclear cells
TECR	19	F	Peripheral blood mononuclear cells
TIMM13	19	F	Peripheral blood mononuclear cells
TLE2	19	F	Peripheral blood mononuclear cells
TMEM143	19	F	Peripheral blood mononuclear cells
TMEM38A	19	F	Peripheral blood mononuclear cells
TNNT1	19	F	Peripheral blood mononuclear cells
ZFR2	19	F	Peripheral blood mononuclear cells
ZNF155	19	F	Peripheral blood mononuclear cells
ZNF229	19	F	Peripheral blood mononuclear cells
ZNF404	19	F	Peripheral blood mononuclear cells
ZNF780B	19	F	Peripheral blood mononuclear cells
ABHD12	20	F	Peripheral blood mononuclear cells
DBNDD2	20	F	Peripheral blood mononuclear cells
EPB41L1	20	F	Peripheral blood mononuclear cells
GATA5	20	F	Peripheral blood mononuclear cells
GFRA4	20	F	Peripheral blood mononuclear cells
ISM1	20	F	Peripheral blood mononuclear cells
MROH8	20	F	Peripheral blood mononuclear cells
PCED1A	20	F	Peripheral blood mononuclear cells
PCIF1	20	F	Peripheral blood mononuclear cells
RTFDC1	20	F	Peripheral blood mononuclear cells
SEL1L2	20	F	Peripheral blood mononuclear cells
SEMG1	20	F	Peripheral blood mononuclear cells
SLC24A3	20	F	Peripheral blood mononuclear cells
SUN5	20	F	Peripheral blood mononuclear cells
C2CD2	21	F	Peripheral blood mononuclear cells
CLDN14	21	F	Peripheral blood mononuclear cells
CXADR	21	F	Peripheral blood mononuclear cells
KRTAP15-1	21	F	Peripheral blood mononuclear cells
OLIG1	21	F	Peripheral blood mononuclear cells
PLAC4	21	F	Peripheral blood mononuclear cells
PRDM15	21	F	Peripheral blood mononuclear cells
TIAM1	21	F	Peripheral blood mononuclear cells
AIFM3	22	F	Peripheral blood mononuclear cells
POLR2F	22	F	Peripheral blood mononuclear cells
PVALB	22	F	Peripheral blood mononuclear cells
SEC14L3	22	F	Peripheral blood mononuclear cells
SMTN	22	F	Peripheral blood mononuclear cells
TCF20	22	F	Peripheral blood mononuclear cells
XBP1	22	F	Peripheral blood mononuclear cells
ZC3H7B	22	F	Peripheral blood mononuclear cells
SEPT6	X	F	Peripheral blood mononuclear cells
ACE2	X	F	Peripheral blood mononuclear cells
ACRC	X	F	Peripheral blood mononuclear cells

ADGRG4	X	F	Peripheral blood mononuclear cells
AGTR2	X	F	Peripheral blood mononuclear cells
AKAP4	X	F	Peripheral blood mononuclear cells
ALG13	X	F	Peripheral blood mononuclear cells
AMOT	X	F	Peripheral blood mononuclear cells
ARHGAP6	X	F	Peripheral blood mononuclear cells
ARL13A	X	F	Peripheral blood mononuclear cells
ARSD	X	F	Peripheral blood mononuclear cells
ATP11C	X	F	Peripheral blood mononuclear cells
ATP2B3	X	F	Peripheral blood mononuclear cells
AVPR2	X	F	Peripheral blood mononuclear cells
AWAT2	X	F	Peripheral blood mononuclear cells
BEND2	X	F	Peripheral blood mononuclear cells
CA5B	X	F	Peripheral blood mononuclear cells
CAPN6	X	F	Peripheral blood mononuclear cells
CDK16	X	F	Peripheral blood mononuclear cells
CDR1	X	F	Peripheral blood mononuclear cells
CDX4	X	F	Peripheral blood mononuclear cells
CFAP47	X	F	Peripheral blood mononuclear cells
CNGA2	X	F	Peripheral blood mononuclear cells
CSAG2	X	F	Peripheral blood mononuclear cells
CT45A1	X	F	Peripheral blood mononuclear cells
CT45A2	X	F	Peripheral blood mononuclear cells
CT45A3	X	F	Peripheral blood mononuclear cells
CT45A5	X	F	Peripheral blood mononuclear cells
CT45A6	X	F	Peripheral blood mononuclear cells
CXorf36	X	F	Peripheral blood mononuclear cells
CXorf38	X	F	Peripheral blood mononuclear cells
DCAF12L1	X	F	Peripheral blood mononuclear cells
DCX	X	F	Peripheral blood mononuclear cells
DDX3X	X	F	Peripheral blood mononuclear cells
DGAT2L6	X	F	Peripheral blood mononuclear cells
DIAPH2	X	F	Peripheral blood mononuclear cells
DMD	X	F	Peripheral blood mononuclear cells
DUSP21	X	F	Peripheral blood mononuclear cells
EIF1AX	X	F	Peripheral blood mononuclear cells
EIF2S3	X	F	Peripheral blood mononuclear cells
ERCC6L	X	F	Peripheral blood mononuclear cells
FAM133A	X	F	Peripheral blood mononuclear cells
FRMPD4	X	F	Peripheral blood mononuclear cells
FUNDC1	X	F	Peripheral blood mononuclear cells
GABRA3	X	F	Peripheral blood mononuclear cells
GAGE12B	X	F	Peripheral blood mononuclear cells
GAGE12G	X	F	Peripheral blood mononuclear cells
GAGE12J	X	F	Peripheral blood mononuclear cells
GK	X	F	Peripheral blood mononuclear cells
GPR119	X	F	Peripheral blood mononuclear cells
GPR173	X	F	Peripheral blood mononuclear cells
GPR50	X	F	Peripheral blood mononuclear cells
GPR82	X	F	Peripheral blood mononuclear cells
HCFC1	X	F	Peripheral blood mononuclear cells
HEPH	X	F	Peripheral blood mononuclear cells
HSD17B10	X	F	Peripheral blood mononuclear cells
IGSF1	X	F	Peripheral blood mononuclear cells
IL13RA2	X	F	Peripheral blood mononuclear cells
IL1RAPL1	X	F	Peripheral blood mononuclear cells
IQSEC2	X	F	Peripheral blood mononuclear cells
ITM2A	X	F	Peripheral blood mononuclear cells
KDM5C	X	F	Peripheral blood mononuclear cells
KDM6A	X	F	Peripheral blood mononuclear cells

KLHL13	X	F	Peripheral blood mononuclear cells
LHFPL1	X	F	Peripheral blood mononuclear cells
LPAR4	X	F	Peripheral blood mononuclear cells
LRCH2	X	F	Peripheral blood mononuclear cells
MAGEA1	X	F	Peripheral blood mononuclear cells
MAGEA9	X	F	Peripheral blood mononuclear cells
MAGEB16	X	F	Peripheral blood mononuclear cells
MAGEB18	X	F	Peripheral blood mononuclear cells
MAGEB3	X	F	Peripheral blood mononuclear cells
MAP7D2	X	F	Peripheral blood mononuclear cells
MCF2	X	F	Peripheral blood mononuclear cells
MED12	X	F	Peripheral blood mononuclear cells
MED14	X	F	Peripheral blood mononuclear cells
NCBP2L	X	F	Peripheral blood mononuclear cells
NKRF	X	F	Peripheral blood mononuclear cells
NOX1	X	F	Peripheral blood mononuclear cells
NUDT10	X	F	Peripheral blood mononuclear cells
NUDT11	X	F	Peripheral blood mononuclear cells
NUP62CL	X	F	Peripheral blood mononuclear cells
NXF2	X	F	Peripheral blood mononuclear cells
NXF2B	X	F	Peripheral blood mononuclear cells
OPHN1	X	F	Peripheral blood mononuclear cells
OPN1LW	X	F	Peripheral blood mononuclear cells
OPN1MW	X	F	Peripheral blood mononuclear cells
OPN1MW2	X	F	Peripheral blood mononuclear cells
OR13H1	X	F	Peripheral blood mononuclear cells
PAGE2B	X	F	Peripheral blood mononuclear cells
PAGE5	X	F	Peripheral blood mononuclear cells
PNPLA4	X	F	Peripheral blood mononuclear cells
POF1B	X	F	Peripheral blood mononuclear cells
PPEF1	X	F	Peripheral blood mononuclear cells
PPP1R3F	X	F	Peripheral blood mononuclear cells
PRKX	X	F	Peripheral blood mononuclear cells
PRRG1	X	F	Peripheral blood mononuclear cells
PUDP	X	F	Peripheral blood mononuclear cells
RAB41	X	F	Peripheral blood mononuclear cells
REPS2	X	F	Peripheral blood mononuclear cells
RGAG1	X	F	Peripheral blood mononuclear cells
RGN	X	F	Peripheral blood mononuclear cells
RIBC1	X	F	Peripheral blood mononuclear cells
RNF128	X	F	Peripheral blood mononuclear cells
RPS4X	X	F	Peripheral blood mononuclear cells
SAGE1	X	F	Peripheral blood mononuclear cells
SERPINA7	X	F	Peripheral blood mononuclear cells
SLC6A14	X	F	Peripheral blood mononuclear cells
SMC1A	X	F	Peripheral blood mononuclear cells
SPACA5	X	F	Peripheral blood mononuclear cells
SSX2	X	F	Peripheral blood mononuclear cells
SSX3	X	F	Peripheral blood mononuclear cells
SSX4	X	F	Peripheral blood mononuclear cells
SSX7	X	F	Peripheral blood mononuclear cells
STS	X	F	Peripheral blood mononuclear cells
SYAP1	X	F	Peripheral blood mononuclear cells
TBL1X	X	F	Peripheral blood mononuclear cells
TBX22	X	F	Peripheral blood mononuclear cells
TCEAL7	X	F	Peripheral blood mononuclear cells
TENM1	X	F	Peripheral blood mononuclear cells
TEX28	X	F	Peripheral blood mononuclear cells
TMEM164	X	F	Peripheral blood mononuclear cells
TMEM27	X	F	Peripheral blood mononuclear cells

TMEM31	X	F	Peripheral blood mononuclear cells
TMEM35	X	F	Peripheral blood mononuclear cells
TRPC5	X	F	Peripheral blood mononuclear cells
TSPAN7	X	F	Peripheral blood mononuclear cells
TXLNG	X	F	Peripheral blood mononuclear cells
UBA1	X	F	Peripheral blood mononuclear cells
USP9X	X	F	Peripheral blood mononuclear cells
VGLL1	X	F	Peripheral blood mononuclear cells
VSIG4	X	F	Peripheral blood mononuclear cells
WNK3	X	F	Peripheral blood mononuclear cells
XAGE1A	X	F	Peripheral blood mononuclear cells
XAGE1B	X	F	Peripheral blood mononuclear cells
XAGE1E	X	F	Peripheral blood mononuclear cells
XG	X	F	Peripheral blood mononuclear cells
XKRX	X	F	Peripheral blood mononuclear cells
ZCCHC16	X	F	Peripheral blood mononuclear cells
ZDHHC15	X	F	Peripheral blood mononuclear cells
ZFX	X	F	Peripheral blood mononuclear cells
ZNF711	X	F	Peripheral blood mononuclear cells
ZRSR2	X	F	Peripheral blood mononuclear cells
AJAP1	1	M	Peripheral blood mononuclear cells
AK2	1	M	Peripheral blood mononuclear cells
ALG14	1	M	Peripheral blood mononuclear cells
ANP32E	1	M	Peripheral blood mononuclear cells
ARL8A	1	M	Peripheral blood mononuclear cells
BTG2	1	M	Peripheral blood mononuclear cells
C1orf101	1	M	Peripheral blood mononuclear cells
C1orf174	1	M	Peripheral blood mononuclear cells
C1orf228	1	M	Peripheral blood mononuclear cells
CAPN2	1	M	Peripheral blood mononuclear cells
CERS2	1	M	Peripheral blood mononuclear cells
CSF1	1	M	Peripheral blood mononuclear cells
CYB561D1	1	M	Peripheral blood mononuclear cells
CYB5RL	1	M	Peripheral blood mononuclear cells
DENND1B	1	M	Peripheral blood mononuclear cells
DOCK7	1	M	Peripheral blood mononuclear cells
EFNA1	1	M	Peripheral blood mononuclear cells
F5	1	M	Peripheral blood mononuclear cells
FAAH	1	M	Peripheral blood mononuclear cells
FAM213B	1	M	Peripheral blood mononuclear cells
FOXO6	1	M	Peripheral blood mononuclear cells
GBP1	1	M	Peripheral blood mononuclear cells
GBP2	1	M	Peripheral blood mononuclear cells
GBP5	1	M	Peripheral blood mononuclear cells
GCLM	1	M	Peripheral blood mononuclear cells
GNB1	1	M	Peripheral blood mononuclear cells
GPR137B	1	M	Peripheral blood mononuclear cells
GPR89A	1	M	Peripheral blood mononuclear cells
GUCA2B	1	M	Peripheral blood mononuclear cells
H6PD	1	M	Peripheral blood mononuclear cells
HENMT1	1	M	Peripheral blood mononuclear cells
ID3	1	M	Peripheral blood mononuclear cells
IFFO2	1	M	Peripheral blood mononuclear cells
IKBKE	1	M	Peripheral blood mononuclear cells
INADL	1	M	Peripheral blood mononuclear cells
KCND3	1	M	Peripheral blood mononuclear cells
KCTD3	1	M	Peripheral blood mononuclear cells
KIFAP3	1	M	Peripheral blood mononuclear cells
LGR6	1	M	Peripheral blood mononuclear cells
LPGAT1	1	M	Peripheral blood mononuclear cells

LRIF1	1	M	Peripheral blood mononuclear cells
MFSD4	1	M	Peripheral blood mononuclear cells
MR1	1	M	Peripheral blood mononuclear cells
NAV1	1	M	Peripheral blood mononuclear cells
NEK2	1	M	Peripheral blood mononuclear cells
NIPAL3	1	M	Peripheral blood mononuclear cells
NR5A2	1	M	Peripheral blood mononuclear cells
NUCKS1	1	M	Peripheral blood mononuclear cells
OVGP1	1	M	Peripheral blood mononuclear cells
PER3	1	M	Peripheral blood mononuclear cells
PFKFB2	1	M	Peripheral blood mononuclear cells
PINK1	1	M	Peripheral blood mononuclear cells
PLCH2	1	M	Peripheral blood mononuclear cells
PSMA5	1	M	Peripheral blood mononuclear cells
PTPN22	1	M	Peripheral blood mononuclear cells
PTPN7	1	M	Peripheral blood mononuclear cells
RALGPS2	1	M	Peripheral blood mononuclear cells
RRAGC	1	M	Peripheral blood mononuclear cells
SCCPDH	1	M	Peripheral blood mononuclear cells
SH3GLB1	1	M	Peripheral blood mononuclear cells
SLC2A1	1	M	Peripheral blood mononuclear cells
SPRTN	1	M	Peripheral blood mononuclear cells
SUSD4	1	M	Peripheral blood mononuclear cells
SYT11	1	M	Peripheral blood mononuclear cells
TARS2	1	M	Peripheral blood mononuclear cells
THBS3	1	M	Peripheral blood mononuclear cells
TNNI3K	1	M	Peripheral blood mononuclear cells
TP73	1	M	Peripheral blood mononuclear cells
UCK2	1	M	Peripheral blood mononuclear cells
VAMP3	1	M	Peripheral blood mononuclear cells
WDR77	1	M	Peripheral blood mononuclear cells
WLS	1	M	Peripheral blood mononuclear cells
ZFYVE9	1	M	Peripheral blood mononuclear cells
ZMYM4	1	M	Peripheral blood mononuclear cells
ZSWIM5	1	M	Peripheral blood mononuclear cells
ZYG11B	1	M	Peripheral blood mononuclear cells
SEPT2	2	M	Peripheral blood mononuclear cells
ACKR3	2	M	Peripheral blood mononuclear cells
ACVR1C	2	M	Peripheral blood mononuclear cells
ACVR2A	2	M	Peripheral blood mononuclear cells
ADAM23	2	M	Peripheral blood mononuclear cells
AGAP1	2	M	Peripheral blood mononuclear cells
ANKAR	2	M	Peripheral blood mononuclear cells
ARL4C	2	M	Peripheral blood mononuclear cells
ATIC	2	M	Peripheral blood mononuclear cells
C2orf69	2	M	Peripheral blood mononuclear cells
CCDC93	2	M	Peripheral blood mononuclear cells
CENPO	2	M	Peripheral blood mononuclear cells
CHST10	2	M	Peripheral blood mononuclear cells
COL6A3	2	M	Peripheral blood mononuclear cells
DYNC2LI1	2	M	Peripheral blood mononuclear cells
EPT1	2	M	Peripheral blood mononuclear cells
ERCC3	2	M	Peripheral blood mononuclear cells
FARSB	2	M	Peripheral blood mononuclear cells
FASTKD2	2	M	Peripheral blood mononuclear cells
FBLN7	2	M	Peripheral blood mononuclear cells
FBXO11	2	M	Peripheral blood mononuclear cells
GFPT1	2	M	Peripheral blood mononuclear cells
GLB1L	2	M	Peripheral blood mononuclear cells
GPAT2	2	M	Peripheral blood mononuclear cells

GPR155	2	M	Peripheral blood mononuclear cells
HTR2B	2	M	Peripheral blood mononuclear cells
IAH1	2	M	Peripheral blood mononuclear cells
ICA1L	2	M	Peripheral blood mononuclear cells
IDH1	2	M	Peripheral blood mononuclear cells
IKZF2	2	M	Peripheral blood mononuclear cells
INO80D	2	M	Peripheral blood mononuclear cells
IRS1	2	M	Peripheral blood mononuclear cells
KANSL3	2	M	Peripheral blood mononuclear cells
KCMF1	2	M	Peripheral blood mononuclear cells
KCNF1	2	M	Peripheral blood mononuclear cells
LPIN1	2	M	Peripheral blood mononuclear cells
LY75	2	M	Peripheral blood mononuclear cells
MAT2A	2	M	Peripheral blood mononuclear cells
MTHFD2	2	M	Peripheral blood mononuclear cells
MYO1B	2	M	Peripheral blood mononuclear cells
MZT2A	2	M	Peripheral blood mononuclear cells
NCAPH	2	M	Peripheral blood mononuclear cells
OSGEPL1	2	M	Peripheral blood mononuclear cells
PCYOX1	2	M	Peripheral blood mononuclear cells
PPP1R21	2	M	Peripheral blood mononuclear cells
PQLC3	2	M	Peripheral blood mononuclear cells
RAPH1	2	M	Peripheral blood mononuclear cells
RQCD1	2	M	Peripheral blood mononuclear cells
RRM2	2	M	Peripheral blood mononuclear cells
SGPP2	2	M	Peripheral blood mononuclear cells
SP140	2	M	Peripheral blood mononuclear cells
SPOPL	2	M	Peripheral blood mononuclear cells
SPTBN1	2	M	Peripheral blood mononuclear cells
STAT1	2	M	Peripheral blood mononuclear cells
WDFY1	2	M	Peripheral blood mononuclear cells
APPL1	3	M	Peripheral blood mononuclear cells
ATP13A3	3	M	Peripheral blood mononuclear cells
C3orf14	3	M	Peripheral blood mononuclear cells
C3orf17	3	M	Peripheral blood mononuclear cells
C3orf58	3	M	Peripheral blood mononuclear cells
CAMP	3	M	Peripheral blood mononuclear cells
CCDC191	3	M	Peripheral blood mononuclear cells
CDV3	3	M	Peripheral blood mononuclear cells
CLDND1	3	M	Peripheral blood mononuclear cells
CRTAP	3	M	Peripheral blood mononuclear cells
CX3CR1	3	M	Peripheral blood mononuclear cells
DOCK3	3	M	Peripheral blood mononuclear cells
EPM2AIP1	3	M	Peripheral blood mononuclear cells
FAM131A	3	M	Peripheral blood mononuclear cells
FAM162A	3	M	Peripheral blood mononuclear cells
FANCD2	3	M	Peripheral blood mononuclear cells
GPR160	3	M	Peripheral blood mononuclear cells
GUCA1C	3	M	Peripheral blood mononuclear cells
IQCG	3	M	Peripheral blood mononuclear cells
LPP	3	M	Peripheral blood mononuclear cells
LRRC58	3	M	Peripheral blood mononuclear cells
LRRFIP2	3	M	Peripheral blood mononuclear cells
MORC1	3	M	Peripheral blood mononuclear cells
NCKIPSD	3	M	Peripheral blood mononuclear cells
NIT2	3	M	Peripheral blood mononuclear cells
PARP14	3	M	Peripheral blood mononuclear cells
PARP3	3	M	Peripheral blood mononuclear cells
PCYT1A	3	M	Peripheral blood mononuclear cells
PDIA5	3	M	Peripheral blood mononuclear cells

PFN2	3	M	Peripheral blood mononuclear cells
PHF7	3	M	Peripheral blood mononuclear cells
PIGX	3	M	Peripheral blood mononuclear cells
RAP2B	3	M	Peripheral blood mononuclear cells
RPP14	3	M	Peripheral blood mononuclear cells
SEC22C	3	M	Peripheral blood mononuclear cells
SELT	3	M	Peripheral blood mononuclear cells
SLC6A6	3	M	Peripheral blood mononuclear cells
SSR3	3	M	Peripheral blood mononuclear cells
TCAIM	3	M	Peripheral blood mononuclear cells
TFDP2	3	M	Peripheral blood mononuclear cells
TMEM110	3	M	Peripheral blood mononuclear cells
TTL3	3	M	Peripheral blood mononuclear cells
UBE2E1	3	M	Peripheral blood mononuclear cells
WNT5A	3	M	Peripheral blood mononuclear cells
ZIC4	3	M	Peripheral blood mononuclear cells
ZNF621	3	M	Peripheral blood mononuclear cells
ZNF662	3	M	Peripheral blood mononuclear cells
ACSL1	4	M	Peripheral blood mononuclear cells
ADGRA3	4	M	Peripheral blood mononuclear cells
AFAP1	4	M	Peripheral blood mononuclear cells
APBB2	4	M	Peripheral blood mononuclear cells
C4orf26	4	M	Peripheral blood mononuclear cells
CCSER1	4	M	Peripheral blood mononuclear cells
CDS1	4	M	Peripheral blood mononuclear cells
CPEB2	4	M	Peripheral blood mononuclear cells
CTSO	4	M	Peripheral blood mononuclear cells
CWH43	4	M	Peripheral blood mononuclear cells
CXCL3	4	M	Peripheral blood mononuclear cells
CYP4V2	4	M	Peripheral blood mononuclear cells
ENOPH1	4	M	Peripheral blood mononuclear cells
EVC	4	M	Peripheral blood mononuclear cells
FRG1	4	M	Peripheral blood mononuclear cells
GNRHR	4	M	Peripheral blood mononuclear cells
HHIP	4	M	Peripheral blood mononuclear cells
KLKB1	4	M	Peripheral blood mononuclear cells
LARP1B	4	M	Peripheral blood mononuclear cells
MRPS18C	4	M	Peripheral blood mononuclear cells
NAAA	4	M	Peripheral blood mononuclear cells
PACRGL	4	M	Peripheral blood mononuclear cells
PCDH10	4	M	Peripheral blood mononuclear cells
PLAC8	4	M	Peripheral blood mononuclear cells
PLK4	4	M	Peripheral blood mononuclear cells
RBPJ	4	M	Peripheral blood mononuclear cells
RNF212	4	M	Peripheral blood mononuclear cells
RUFY3	4	M	Peripheral blood mononuclear cells
RXFP1	4	M	Peripheral blood mononuclear cells
SCFD2	4	M	Peripheral blood mononuclear cells
SEL1L3	4	M	Peripheral blood mononuclear cells
SLC25A4	4	M	Peripheral blood mononuclear cells
SLC4A4	4	M	Peripheral blood mononuclear cells
SLC9B2	4	M	Peripheral blood mononuclear cells
TSPAN5	4	M	Peripheral blood mononuclear cells
USP53	4	M	Peripheral blood mononuclear cells
WDR1	4	M	Peripheral blood mononuclear cells
WHSC1	4	M	Peripheral blood mononuclear cells
WWC2	4	M	Peripheral blood mononuclear cells
ADRB2	5	M	Peripheral blood mononuclear cells
ANXA6	5	M	Peripheral blood mononuclear cells
BNIP1	5	M	Peripheral blood mononuclear cells

BRD9	5	M	Peripheral blood mononuclear cells
C1QTNF3	5	M	Peripheral blood mononuclear cells
C5orf56	5	M	Peripheral blood mononuclear cells
CAST	5	M	Peripheral blood mononuclear cells
CCNB1	5	M	Peripheral blood mononuclear cells
CDC42SE2	5	M	Peripheral blood mononuclear cells
CTXN3	5	M	Peripheral blood mononuclear cells
FAM169A	5	M	Peripheral blood mononuclear cells
HDAC3	5	M	Peripheral blood mononuclear cells
IRF1	5	M	Peripheral blood mononuclear cells
LNPEP	5	M	Peripheral blood mononuclear cells
LRRTM2	5	M	Peripheral blood mononuclear cells
MAPK9	5	M	Peripheral blood mononuclear cells
MAST4	5	M	Peripheral blood mononuclear cells
MCCC2	5	M	Peripheral blood mononuclear cells
MTRR	5	M	Peripheral blood mononuclear cells
NUDT12	5	M	Peripheral blood mononuclear cells
PDLIM4	5	M	Peripheral blood mononuclear cells
PGGT1B	5	M	Peripheral blood mononuclear cells
PIK3R1	5	M	Peripheral blood mononuclear cells
RNF130	5	M	Peripheral blood mononuclear cells
RNF14	5	M	Peripheral blood mononuclear cells
SFXN1	5	M	Peripheral blood mononuclear cells
SH3TC2	5	M	Peripheral blood mononuclear cells
SLC22A5	5	M	Peripheral blood mononuclear cells
SMAD5	5	M	Peripheral blood mononuclear cells
SNX24	5	M	Peripheral blood mononuclear cells
SOWAHA	5	M	Peripheral blood mononuclear cells
UNC5A	5	M	Peripheral blood mononuclear cells
ZNF346	5	M	Peripheral blood mononuclear cells
ABCF1	6	M	Peripheral blood mononuclear cells
ADGRB3	6	M	Peripheral blood mononuclear cells
ADGRF1	6	M	Peripheral blood mononuclear cells
AKAP7	6	M	Peripheral blood mononuclear cells
ANKRD6	6	M	Peripheral blood mononuclear cells
ATXN1	6	M	Peripheral blood mononuclear cells
CD24	6	M	Peripheral blood mononuclear cells
CLIC5	6	M	Peripheral blood mononuclear cells
CMTR1	6	M	Peripheral blood mononuclear cells
CNR1	6	M	Peripheral blood mononuclear cells
DDX43	6	M	Peripheral blood mononuclear cells
DST	6	M	Peripheral blood mononuclear cells
ENPP4	6	M	Peripheral blood mononuclear cells
ERMARD	6	M	Peripheral blood mononuclear cells
EYS	6	M	Peripheral blood mononuclear cells
EZR	6	M	Peripheral blood mononuclear cells
FGFR1OP	6	M	Peripheral blood mononuclear cells
FNDC1	6	M	Peripheral blood mononuclear cells
FRK	6	M	Peripheral blood mononuclear cells
FUCA2	6	M	Peripheral blood mononuclear cells
HSD17B8	6	M	Peripheral blood mononuclear cells
IP6K3	6	M	Peripheral blood mononuclear cells
IRF4	6	M	Peripheral blood mononuclear cells
LIN28B	6	M	Peripheral blood mononuclear cells
LRRC1	6	M	Peripheral blood mononuclear cells
LRRC16A	6	M	Peripheral blood mononuclear cells
LYRM4	6	M	Peripheral blood mononuclear cells
MAS1L	6	M	Peripheral blood mononuclear cells
MB21D1	6	M	Peripheral blood mononuclear cells
MBOAT1	6	M	Peripheral blood mononuclear cells

MDC1	6	M	Peripheral blood mononuclear cells
MLLT4	6	M	Peripheral blood mononuclear cells
MRS2	6	M	Peripheral blood mononuclear cells
NQO2	6	M	Peripheral blood mononuclear cells
NUDT3	6	M	Peripheral blood mononuclear cells
NUP153	6	M	Peripheral blood mononuclear cells
OGFRL1	6	M	Peripheral blood mononuclear cells
PM20D2	6	M	Peripheral blood mononuclear cells
PNPLA1	6	M	Peripheral blood mononuclear cells
POLH	6	M	Peripheral blood mononuclear cells
PRDM1	6	M	Peripheral blood mononuclear cells
RPS6KA2	6	M	Peripheral blood mononuclear cells
SERPINB1	6	M	Peripheral blood mononuclear cells
SERPINB6	6	M	Peripheral blood mononuclear cells
SLC17A5	6	M	Peripheral blood mononuclear cells
SLC22A3	6	M	Peripheral blood mononuclear cells
TBC1D32	6	M	Peripheral blood mononuclear cells
TDP2	6	M	Peripheral blood mononuclear cells
TFAP2A	6	M	Peripheral blood mononuclear cells
TMEM14A	6	M	Peripheral blood mononuclear cells
TRAF3IP2	6	M	Peripheral blood mononuclear cells
TRDN	6	M	Peripheral blood mononuclear cells
UBE2J1	6	M	Peripheral blood mononuclear cells
UBE3D	6	M	Peripheral blood mononuclear cells
WRNIP1	6	M	Peripheral blood mononuclear cells
ZNF165	6	M	Peripheral blood mononuclear cells
ACHE	7	M	Peripheral blood mononuclear cells
ACTB	7	M	Peripheral blood mononuclear cells
AGBL3	7	M	Peripheral blood mononuclear cells
AGK	7	M	Peripheral blood mononuclear cells
ASB4	7	M	Peripheral blood mononuclear cells
BLVRA	7	M	Peripheral blood mononuclear cells
CARD11	7	M	Peripheral blood mononuclear cells
FAM220A	7	M	Peripheral blood mononuclear cells
FKBP14	7	M	Peripheral blood mononuclear cells
GNA12	7	M	Peripheral blood mononuclear cells
GSAP	7	M	Peripheral blood mononuclear cells
GTF2IRD2	7	M	Peripheral blood mononuclear cells
GTF2IRD2B	7	M	Peripheral blood mononuclear cells
ICA1	7	M	Peripheral blood mononuclear cells
IKZF1	7	M	Peripheral blood mononuclear cells
INSIG1	7	M	Peripheral blood mononuclear cells
LANCL2	7	M	Peripheral blood mononuclear cells
LMOD2	7	M	Peripheral blood mononuclear cells
NRCAM	7	M	Peripheral blood mononuclear cells
PSMC2	7	M	Peripheral blood mononuclear cells
PTN	7	M	Peripheral blood mononuclear cells
SYPL1	7	M	Peripheral blood mononuclear cells
TMEM213	7	M	Peripheral blood mononuclear cells
UBE2D4	7	M	Peripheral blood mononuclear cells
VKORC1L1	7	M	Peripheral blood mononuclear cells
WBSR22	7	M	Peripheral blood mononuclear cells
WDR60	7	M	Peripheral blood mononuclear cells
YWHAG	7	M	Peripheral blood mononuclear cells
ADAM9	8	M	Peripheral blood mononuclear cells
ASH2L	8	M	Peripheral blood mononuclear cells
CPNE3	8	M	Peripheral blood mononuclear cells
CPQ	8	M	Peripheral blood mononuclear cells
DDHD2	8	M	Peripheral blood mononuclear cells
DMTN	8	M	Peripheral blood mononuclear cells

ERICH1	8	M	Peripheral blood mononuclear cells
FBXO25	8	M	Peripheral blood mononuclear cells
FZD6	8	M	Peripheral blood mononuclear cells
GFRA2	8	M	Peripheral blood mononuclear cells
HGSNAT	8	M	Peripheral blood mononuclear cells
IMPAD1	8	M	Peripheral blood mononuclear cells
JRK	8	M	Peripheral blood mononuclear cells
KLF10	8	M	Peripheral blood mononuclear cells
LPL	8	M	Peripheral blood mononuclear cells
MTDH	8	M	Peripheral blood mononuclear cells
MYOM2	8	M	Peripheral blood mononuclear cells
NEFL	8	M	Peripheral blood mononuclear cells
NSMAF	8	M	Peripheral blood mononuclear cells
PCM1	8	M	Peripheral blood mononuclear cells
PLEKHA2	8	M	Peripheral blood mononuclear cells
PNOC	8	M	Peripheral blood mononuclear cells
PSD3	8	M	Peripheral blood mononuclear cells
PTP4A3	8	M	Peripheral blood mononuclear cells
RNF170	8	M	Peripheral blood mononuclear cells
TCEB1	8	M	Peripheral blood mononuclear cells
TNFRSF10B	8	M	Peripheral blood mononuclear cells
TRAPPC9	8	M	Peripheral blood mononuclear cells
TSPYL5	8	M	Peripheral blood mononuclear cells
VDAC3	8	M	Peripheral blood mononuclear cells
ZNF250	8	M	Peripheral blood mononuclear cells
ZNF251	8	M	Peripheral blood mononuclear cells
ABCA1	9	M	Peripheral blood mononuclear cells
ABL1	9	M	Peripheral blood mononuclear cells
ABO	9	M	Peripheral blood mononuclear cells
ANKRD18A	9	M	Peripheral blood mononuclear cells
ANKRD18B	9	M	Peripheral blood mononuclear cells
C9orf135	9	M	Peripheral blood mononuclear cells
C9orf64	9	M	Peripheral blood mononuclear cells
CACNA1B	9	M	Peripheral blood mononuclear cells
CAMSAP1	9	M	Peripheral blood mononuclear cells
CARD19	9	M	Peripheral blood mononuclear cells
CDC14B	9	M	Peripheral blood mononuclear cells
CDK9	9	M	Peripheral blood mononuclear cells
CNTNAP3	9	M	Peripheral blood mononuclear cells
CORO2A	9	M	Peripheral blood mononuclear cells
DBH	9	M	Peripheral blood mononuclear cells
EXOSC2	9	M	Peripheral blood mononuclear cells
GBA2	9	M	Peripheral blood mononuclear cells
GLIS3	9	M	Peripheral blood mononuclear cells
IDNK	9	M	Peripheral blood mononuclear cells
JAK2	9	M	Peripheral blood mononuclear cells
KIAA0368	9	M	Peripheral blood mononuclear cells
MSANTD3	9	M	Peripheral blood mononuclear cells
MVB12B	9	M	Peripheral blood mononuclear cells
NR6A1	9	M	Peripheral blood mononuclear cells
OSTF1	9	M	Peripheral blood mononuclear cells
PDCL	9	M	Peripheral blood mononuclear cells
PGM5	9	M	Peripheral blood mononuclear cells
POMT1	9	M	Peripheral blood mononuclear cells
RABGAP1	9	M	Peripheral blood mononuclear cells
RAPGEF1	9	M	Peripheral blood mononuclear cells
RXRA	9	M	Peripheral blood mononuclear cells
SLC35D2	9	M	Peripheral blood mononuclear cells
SUSD1	9	M	Peripheral blood mononuclear cells
TRAF1	9	M	Peripheral blood mononuclear cells

TRMO	9	M	Peripheral blood mononuclear cells
VCP	9	M	Peripheral blood mononuclear cells
ZBTB6	9	M	Peripheral blood mononuclear cells
ZDHHC21	9	M	Peripheral blood mononuclear cells
ZNF658	9	M	Peripheral blood mononuclear cells
ACBD5	10	M	Peripheral blood mononuclear cells
ACSL5	10	M	Peripheral blood mononuclear cells
AKR1C8P	10	M	Peripheral blood mononuclear cells
ANKRD16	10	M	Peripheral blood mononuclear cells
ASB13	10	M	Peripheral blood mononuclear cells
BMPR1A	10	M	Peripheral blood mononuclear cells
CDC123	10	M	Peripheral blood mononuclear cells
CISD1	10	M	Peripheral blood mononuclear cells
CNNM1	10	M	Peripheral blood mononuclear cells
COMMD3	10	M	Peripheral blood mononuclear cells
CYP2E1	10	M	Peripheral blood mononuclear cells
DCLRE1A	10	M	Peripheral blood mononuclear cells
DHX32	10	M	Peripheral blood mononuclear cells
DNAJC1	10	M	Peripheral blood mononuclear cells
DNAJC12	10	M	Peripheral blood mononuclear cells
DPYSL4	10	M	Peripheral blood mononuclear cells
FAM107B	10	M	Peripheral blood mononuclear cells
FAM160B1	10	M	Peripheral blood mononuclear cells
FAM171A1	10	M	Peripheral blood mononuclear cells
FAM24B	10	M	Peripheral blood mononuclear cells
FAM35A	10	M	Peripheral blood mononuclear cells
FAM45A	10	M	Peripheral blood mononuclear cells
GOT1	10	M	Peripheral blood mononuclear cells
H2AFY2	10	M	Peripheral blood mononuclear cells
IDI1	10	M	Peripheral blood mononuclear cells
INPP5F	10	M	Peripheral blood mononuclear cells
KIAA1462	10	M	Peripheral blood mononuclear cells
KLF6	10	M	Peripheral blood mononuclear cells
MCM10	10	M	Peripheral blood mononuclear cells
NSMCE4A	10	M	Peripheral blood mononuclear cells
OBFC1	10	M	Peripheral blood mononuclear cells
PCBD1	10	M	Peripheral blood mononuclear cells
PITRM1	10	M	Peripheral blood mononuclear cells
PLEKHS1	10	M	Peripheral blood mononuclear cells
PNLIPRP1	10	M	Peripheral blood mononuclear cells
PTPN20	10	M	Peripheral blood mononuclear cells
REEP3	10	M	Peripheral blood mononuclear cells
SAR1A	10	M	Peripheral blood mononuclear cells
SEPHS1	10	M	Peripheral blood mononuclear cells
SGPL1	10	M	Peripheral blood mononuclear cells
SLK	10	M	Peripheral blood mononuclear cells
SORCS3	10	M	Peripheral blood mononuclear cells
UROS	10	M	Peripheral blood mononuclear cells
XPNPEP1	10	M	Peripheral blood mononuclear cells
ZDHHC16	10	M	Peripheral blood mononuclear cells
ZMYND11	10	M	Peripheral blood mononuclear cells
ACAT1	11	M	Peripheral blood mononuclear cells
ACER3	11	M	Peripheral blood mononuclear cells
ADAMTS8	11	M	Peripheral blood mononuclear cells
AHNAK	11	M	Peripheral blood mononuclear cells
ALG9	11	M	Peripheral blood mononuclear cells
ALKBH3	11	M	Peripheral blood mononuclear cells
ALKBH8	11	M	Peripheral blood mononuclear cells
ARFIP2	11	M	Peripheral blood mononuclear cells
ARHGEF12	11	M	Peripheral blood mononuclear cells

C11orf49	11	M	Peripheral blood mononuclear cells
CAT	11	M	Peripheral blood mononuclear cells
CD44	11	M	Peripheral blood mononuclear cells
CEP295	11	M	Peripheral blood mononuclear cells
COPB1	11	M	Peripheral blood mononuclear cells
CPT1A	11	M	Peripheral blood mononuclear cells
CTSW	11	M	Peripheral blood mononuclear cells
DDB2	11	M	Peripheral blood mononuclear cells
DHCR7	11	M	Peripheral blood mononuclear cells
EEF1G	11	M	Peripheral blood mononuclear cells
FADS2	11	M	Peripheral blood mononuclear cells
FAM76B	11	M	Peripheral blood mononuclear cells
FAR1	11	M	Peripheral blood mononuclear cells
FOLR3	11	M	Peripheral blood mononuclear cells
FXYP6	11	M	Peripheral blood mononuclear cells
GPR137	11	M	Peripheral blood mononuclear cells
GRM5	11	M	Peripheral blood mononuclear cells
IFT46	11	M	Peripheral blood mononuclear cells
INPPL1	11	M	Peripheral blood mononuclear cells
LDHA	11	M	Peripheral blood mononuclear cells
LPXN	11	M	Peripheral blood mononuclear cells
MAP6	11	M	Peripheral blood mononuclear cells
ME3	11	M	Peripheral blood mononuclear cells
MMP13	11	M	Peripheral blood mononuclear cells
MTCH2	11	M	Peripheral blood mononuclear cells
NAALADL1	11	M	Peripheral blood mononuclear cells
OR52N4	11	M	Peripheral blood mononuclear cells
PGM2L1	11	M	Peripheral blood mononuclear cells
PPME1	11	M	Peripheral blood mononuclear cells
PRDM11	11	M	Peripheral blood mononuclear cells
PRG2	11	M	Peripheral blood mononuclear cells
PRSS23	11	M	Peripheral blood mononuclear cells
PSMA1	11	M	Peripheral blood mononuclear cells
PTS	11	M	Peripheral blood mononuclear cells
RCN1	11	M	Peripheral blood mononuclear cells
RIC3	11	M	Peripheral blood mononuclear cells
SLC25A45	11	M	Peripheral blood mononuclear cells
SLC35F2	11	M	Peripheral blood mononuclear cells
SLC36A4	11	M	Peripheral blood mononuclear cells
SWAP70	11	M	Peripheral blood mononuclear cells
TBCEL	11	M	Peripheral blood mononuclear cells
TMEM41B	11	M	Peripheral blood mononuclear cells
TMEM9B	11	M	Peripheral blood mononuclear cells
TPP1	11	M	Peripheral blood mononuclear cells
TRIM21	11	M	Peripheral blood mononuclear cells
ZDHHC13	11	M	Peripheral blood mononuclear cells
AGAP2	12	M	Peripheral blood mononuclear cells
ANKLE2	12	M	Peripheral blood mononuclear cells
ANKRD13A	12	M	Peripheral blood mononuclear cells
ATF7IP	12	M	Peripheral blood mononuclear cells
ATP2A2	12	M	Peripheral blood mononuclear cells
ATP6V0A2	12	M	Peripheral blood mononuclear cells
C1RL	12	M	Peripheral blood mononuclear cells
CCDC91	12	M	Peripheral blood mononuclear cells
CCDC92	12	M	Peripheral blood mononuclear cells
CCND2	12	M	Peripheral blood mononuclear cells
CD63	12	M	Peripheral blood mononuclear cells
CDK2AP1	12	M	Peripheral blood mononuclear cells
CLIP1	12	M	Peripheral blood mononuclear cells
DTX1	12	M	Peripheral blood mononuclear cells

EMG1	12	M	Peripheral blood mononuclear cells
ENO2	12	M	Peripheral blood mononuclear cells
ETV6	12	M	Peripheral blood mononuclear cells
GIT2	12	M	Peripheral blood mononuclear cells
GOLT1B	12	M	Peripheral blood mononuclear cells
GRIP1	12	M	Peripheral blood mononuclear cells
KLHL42	12	M	Peripheral blood mononuclear cells
KMT5A	12	M	Peripheral blood mononuclear cells
LIMA1	12	M	Peripheral blood mononuclear cells
LIN7A	12	M	Peripheral blood mononuclear cells
M6PR	12	M	Peripheral blood mononuclear cells
MANSC1	12	M	Peripheral blood mononuclear cells
MAP3K12	12	M	Peripheral blood mononuclear cells
MAPKAPK5	12	M	Peripheral blood mononuclear cells
NELL2	12	M	Peripheral blood mononuclear cells
NR4A1	12	M	Peripheral blood mononuclear cells
NUAK1	12	M	Peripheral blood mononuclear cells
PARP11	12	M	Peripheral blood mononuclear cells
PEBP1	12	M	Peripheral blood mononuclear cells
PEX5	12	M	Peripheral blood mononuclear cells
PFKM	12	M	Peripheral blood mononuclear cells
PRDM4	12	M	Peripheral blood mononuclear cells
RBM19	12	M	Peripheral blood mononuclear cells
RECQL	12	M	Peripheral blood mononuclear cells
RHOF	12	M	Peripheral blood mononuclear cells
RILPL1	12	M	Peripheral blood mononuclear cells
RNF34	12	M	Peripheral blood mononuclear cells
SLC15A4	12	M	Peripheral blood mononuclear cells
SLC38A2	12	M	Peripheral blood mononuclear cells
TBK1	12	M	Peripheral blood mononuclear cells
TMEM106C	12	M	Peripheral blood mononuclear cells
TMEM117	12	M	Peripheral blood mononuclear cells
TMEM19	12	M	Peripheral blood mononuclear cells
TMEM5	12	M	Peripheral blood mononuclear cells
UTP20	12	M	Peripheral blood mononuclear cells
VPS29	12	M	Peripheral blood mononuclear cells
ZCRB1	12	M	Peripheral blood mononuclear cells
ZNF641	12	M	Peripheral blood mononuclear cells
ANKRD10	13	M	Peripheral blood mononuclear cells
BIVM	13	M	Peripheral blood mononuclear cells
CDC16	13	M	Peripheral blood mononuclear cells
DCT	13	M	Peripheral blood mononuclear cells
DIAPH3	13	M	Peripheral blood mononuclear cells
DOCK9	13	M	Peripheral blood mononuclear cells
KLF5	13	M	Peripheral blood mononuclear cells
NEK3	13	M	Peripheral blood mononuclear cells
NHLRC3	13	M	Peripheral blood mononuclear cells
OLFM4	13	M	Peripheral blood mononuclear cells
PARP4	13	M	Peripheral blood mononuclear cells
RAP2A	13	M	Peripheral blood mononuclear cells
RFC3	13	M	Peripheral blood mononuclear cells
SLAIN1	13	M	Peripheral blood mononuclear cells
SLC7A1	13	M	Peripheral blood mononuclear cells
STK24	13	M	Peripheral blood mononuclear cells
TDRD3	13	M	Peripheral blood mononuclear cells
UGGT2	13	M	Peripheral blood mononuclear cells
ZMYM2	13	M	Peripheral blood mononuclear cells
AKAP6	14	M	Peripheral blood mononuclear cells
AKT1	14	M	Peripheral blood mononuclear cells
AMN	14	M	Peripheral blood mononuclear cells

ARHGAP5	14	M	Peripheral blood mononuclear cells
ATP5S	14	M	Peripheral blood mononuclear cells
C14orf1	14	M	Peripheral blood mononuclear cells
C14orf142	14	M	Peripheral blood mononuclear cells
CDC42BPB	14	M	Peripheral blood mononuclear cells
CFL2	14	M	Peripheral blood mononuclear cells
DLST	14	M	Peripheral blood mononuclear cells
EVL	14	M	Peripheral blood mononuclear cells
FOXG1	14	M	Peripheral blood mononuclear cells
GMFB	14	M	Peripheral blood mononuclear cells
MGAT2	14	M	Peripheral blood mononuclear cells
MLH3	14	M	Peripheral blood mononuclear cells
PABPN1	14	M	Peripheral blood mononuclear cells
PARP2	14	M	Peripheral blood mononuclear cells
PPP1R13B	14	M	Peripheral blood mononuclear cells
PSMA6	14	M	Peripheral blood mononuclear cells
PSME2	14	M	Peripheral blood mononuclear cells
PTGDR	14	M	Peripheral blood mononuclear cells
PTGR2	14	M	Peripheral blood mononuclear cells
PTPN21	14	M	Peripheral blood mononuclear cells
RAB2B	14	M	Peripheral blood mononuclear cells
SAV1	14	M	Peripheral blood mononuclear cells
SNX6	14	M	Peripheral blood mononuclear cells
SOCS4	14	M	Peripheral blood mononuclear cells
TMEM30B	14	M	Peripheral blood mononuclear cells
ARRDC4	15	M	Peripheral blood mononuclear cells
C2CD4B	15	M	Peripheral blood mononuclear cells
CASC5	15	M	Peripheral blood mononuclear cells
CGNL1	15	M	Peripheral blood mononuclear cells
CORO2B	15	M	Peripheral blood mononuclear cells
DIS3L	15	M	Peripheral blood mononuclear cells
DPH6	15	M	Peripheral blood mononuclear cells
EID1	15	M	Peripheral blood mononuclear cells
FAM174B	15	M	Peripheral blood mononuclear cells
FAM219B	15	M	Peripheral blood mononuclear cells
FANCI	15	M	Peripheral blood mononuclear cells
GDPGP1	15	M	Peripheral blood mononuclear cells
HDGFRP3	15	M	Peripheral blood mononuclear cells
IVD	15	M	Peripheral blood mononuclear cells
LPCAT4	15	M	Peripheral blood mononuclear cells
MAN2A2	15	M	Peripheral blood mononuclear cells
MYEF2	15	M	Peripheral blood mononuclear cells
MYO5A	15	M	Peripheral blood mononuclear cells
PARP16	15	M	Peripheral blood mononuclear cells
PARP6	15	M	Peripheral blood mononuclear cells
PDE8A	15	M	Peripheral blood mononuclear cells
PIGB	15	M	Peripheral blood mononuclear cells
PTPN9	15	M	Peripheral blood mononuclear cells
RPLP1	15	M	Peripheral blood mononuclear cells
SCG3	15	M	Peripheral blood mononuclear cells
SNRPN	15	M	Peripheral blood mononuclear cells
SPEBP1	15	M	Peripheral blood mononuclear cells
ST20	15	M	Peripheral blood mononuclear cells
TMEM62	15	M	Peripheral blood mononuclear cells
VWA9	15	M	Peripheral blood mononuclear cells
WDR61	15	M	Peripheral blood mononuclear cells
ZWILCH	15	M	Peripheral blood mononuclear cells
ADGRG1	16	M	Peripheral blood mononuclear cells
ARL6IP1	16	M	Peripheral blood mononuclear cells
C16orf45	16	M	Peripheral blood mononuclear cells

C16orf70	16	M	Peripheral blood mononuclear cells
C16orf74	16	M	Peripheral blood mononuclear cells
CDYL2	16	M	Peripheral blood mononuclear cells
CMC2	16	M	Peripheral blood mononuclear cells
CMTM3	16	M	Peripheral blood mononuclear cells
CNGB1	16	M	Peripheral blood mononuclear cells
COQ7	16	M	Peripheral blood mononuclear cells
CYB5B	16	M	Peripheral blood mononuclear cells
DYNC1LI2	16	M	Peripheral blood mononuclear cells
EEF2K	16	M	Peripheral blood mononuclear cells
FUS	16	M	Peripheral blood mononuclear cells
GSE1	16	M	Peripheral blood mononuclear cells
MEIOB	16	M	Peripheral blood mononuclear cells
NOD2	16	M	Peripheral blood mononuclear cells
NTAN1	16	M	Peripheral blood mononuclear cells
PDXDC1	16	M	Peripheral blood mononuclear cells
PHLPP2	16	M	Peripheral blood mononuclear cells
SDR42E1	16	M	Peripheral blood mononuclear cells
SNTB2	16	M	Peripheral blood mononuclear cells
TAT	16	M	Peripheral blood mononuclear cells
TK2	16	M	Peripheral blood mononuclear cells
USP7	16	M	Peripheral blood mononuclear cells
VAC14	16	M	Peripheral blood mononuclear cells
XYLT1	16	M	Peripheral blood mononuclear cells
ZSCAN32	16	M	Peripheral blood mononuclear cells
ACTG1	17	M	Peripheral blood mononuclear cells
ALDH3A2	17	M	Peripheral blood mononuclear cells
ARSG	17	M	Peripheral blood mononuclear cells
BCL6B	17	M	Peripheral blood mononuclear cells
BRIP1	17	M	Peripheral blood mononuclear cells
C17orf75	17	M	Peripheral blood mononuclear cells
CACNB1	17	M	Peripheral blood mononuclear cells
CARD14	17	M	Peripheral blood mononuclear cells
CCDC43	17	M	Peripheral blood mononuclear cells
CCDC47	17	M	Peripheral blood mononuclear cells
CCT6B	17	M	Peripheral blood mononuclear cells
CDC27	17	M	Peripheral blood mononuclear cells
CDRT15L2	17	M	Peripheral blood mononuclear cells
CHD3	17	M	Peripheral blood mononuclear cells
CSH1	17	M	Peripheral blood mononuclear cells
DGKE	17	M	Peripheral blood mononuclear cells
DUSP14	17	M	Peripheral blood mononuclear cells
EIF4A3	17	M	Peripheral blood mononuclear cells
FN3K	17	M	Peripheral blood mononuclear cells
GJC1	17	M	Peripheral blood mononuclear cells
HLF	17	M	Peripheral blood mononuclear cells
KCNJ16	17	M	Peripheral blood mononuclear cells
MAFG	17	M	Peripheral blood mononuclear cells
MPO	17	M	Peripheral blood mononuclear cells
MPRIP	17	M	Peripheral blood mononuclear cells
MSI2	17	M	Peripheral blood mononuclear cells
MYO18A	17	M	Peripheral blood mononuclear cells
NGFR	17	M	Peripheral blood mononuclear cells
NPEPPS	17	M	Peripheral blood mononuclear cells
OR3A2	17	M	Peripheral blood mononuclear cells
PFAS	17	M	Peripheral blood mononuclear cells
PIGL	17	M	Peripheral blood mononuclear cells
PIP4K2B	17	M	Peripheral blood mononuclear cells
PITPNA	17	M	Peripheral blood mononuclear cells
RAB37	17	M	Peripheral blood mononuclear cells

RECQL5	17	M	Peripheral blood mononuclear cells
RNF135	17	M	Peripheral blood mononuclear cells
SCN4A	17	M	Peripheral blood mononuclear cells
SLFN11	17	M	Peripheral blood mononuclear cells
SOST	17	M	Peripheral blood mononuclear cells
SPNS3	17	M	Peripheral blood mononuclear cells
SRR	17	M	Peripheral blood mononuclear cells
STAT3	17	M	Peripheral blood mononuclear cells
STAT5A	17	M	Peripheral blood mononuclear cells
TTYH2	17	M	Peripheral blood mononuclear cells
ULK2	17	M	Peripheral blood mononuclear cells
ARHGAP28	18	M	Peripheral blood mononuclear cells
CELF4	18	M	Peripheral blood mononuclear cells
ELAC1	18	M	Peripheral blood mononuclear cells
GALNT1	18	M	Peripheral blood mononuclear cells
HRH4	18	M	Peripheral blood mononuclear cells
IMPACT	18	M	Peripheral blood mononuclear cells
KDSR	18	M	Peripheral blood mononuclear cells
MALT1	18	M	Peripheral blood mononuclear cells
MBP	18	M	Peripheral blood mononuclear cells
NPC1	18	M	Peripheral blood mononuclear cells
PMAIP1	18	M	Peripheral blood mononuclear cells
PPP4R1	18	M	Peripheral blood mononuclear cells
PSTPIP2	18	M	Peripheral blood mononuclear cells
PTPN2	18	M	Peripheral blood mononuclear cells
RAB12	18	M	Peripheral blood mononuclear cells
RAB27B	18	M	Peripheral blood mononuclear cells
RTTN	18	M	Peripheral blood mononuclear cells
SLC39A6	18	M	Peripheral blood mononuclear cells
ST8SIA5	18	M	Peripheral blood mononuclear cells
ZNF516	18	M	Peripheral blood mononuclear cells
ZNF532	18	M	Peripheral blood mononuclear cells
CEBPG	19	M	Peripheral blood mononuclear cells
CHAF1A	19	M	Peripheral blood mononuclear cells
CIRBP	19	M	Peripheral blood mononuclear cells
DAZAP1	19	M	Peripheral blood mononuclear cells
EPS15L1	19	M	Peripheral blood mononuclear cells
GPATCH1	19	M	Peripheral blood mononuclear cells
MAP4K1	19	M	Peripheral blood mononuclear cells
NPHS1	19	M	Peripheral blood mononuclear cells
ODF3L2	19	M	Peripheral blood mononuclear cells
OR10H2	19	M	Peripheral blood mononuclear cells
PDCD5	19	M	Peripheral blood mononuclear cells
PRMT1	19	M	Peripheral blood mononuclear cells
S1PR5	19	M	Peripheral blood mononuclear cells
SULT2A1	19	M	Peripheral blood mononuclear cells
TSHZ3	19	M	Peripheral blood mononuclear cells
ZFP30	19	M	Peripheral blood mononuclear cells
ZNF208	19	M	Peripheral blood mononuclear cells
ZNF264	19	M	Peripheral blood mononuclear cells
ZNF529	19	M	Peripheral blood mononuclear cells
ZNF653	19	M	Peripheral blood mononuclear cells
ZNF837	19	M	Peripheral blood mononuclear cells
AURKA	20	M	Peripheral blood mononuclear cells
CDS2	20	M	Peripheral blood mononuclear cells
GINS1	20	M	Peripheral blood mononuclear cells
GNAS	20	M	Peripheral blood mononuclear cells
IFT52	20	M	Peripheral blood mononuclear cells
KIAA1755	20	M	Peripheral blood mononuclear cells
NCOA6	20	M	Peripheral blood mononuclear cells

NPBWR2	20	M	Peripheral blood mononuclear cells
NPEPL1	20	M	Peripheral blood mononuclear cells
PRNP	20	M	Peripheral blood mononuclear cells
RASSF2	20	M	Peripheral blood mononuclear cells
SLC23A2	20	M	Peripheral blood mononuclear cells
SYCP2	20	M	Peripheral blood mononuclear cells
TMX4	20	M	Peripheral blood mononuclear cells
TSHZ2	20	M	Peripheral blood mononuclear cells
ZBP1	20	M	Peripheral blood mononuclear cells
ZNFX1	20	M	Peripheral blood mononuclear cells
C21orf2	21	M	Peripheral blood mononuclear cells
CHAF1B	21	M	Peripheral blood mononuclear cells
CLIC6	21	M	Peripheral blood mononuclear cells
CSTB	21	M	Peripheral blood mononuclear cells
ETS2	21	M	Peripheral blood mononuclear cells
FTCD	21	M	Peripheral blood mononuclear cells
HLCS	21	M	Peripheral blood mononuclear cells
NCAM2	21	M	Peripheral blood mononuclear cells
RWDD2B	21	M	Peripheral blood mononuclear cells
SUMO3	21	M	Peripheral blood mononuclear cells
TMPRSS2	21	M	Peripheral blood mononuclear cells
U2AF1	21	M	Peripheral blood mononuclear cells
APOBEC3C	22	M	Peripheral blood mononuclear cells
APOBEC3F	22	M	Peripheral blood mononuclear cells
APOL1	22	M	Peripheral blood mononuclear cells
APOL3	22	M	Peripheral blood mononuclear cells
APOL6	22	M	Peripheral blood mononuclear cells
CERK	22	M	Peripheral blood mononuclear cells
EIF4ENIF1	22	M	Peripheral blood mononuclear cells
FBXO7	22	M	Peripheral blood mononuclear cells
FOXRED2	22	M	Peripheral blood mononuclear cells
IL2RB	22	M	Peripheral blood mononuclear cells
NF2	22	M	Peripheral blood mononuclear cells
PARVB	22	M	Peripheral blood mononuclear cells
PATZ1	22	M	Peripheral blood mononuclear cells
SRRD	22	M	Peripheral blood mononuclear cells
TTL1	22	M	Peripheral blood mononuclear cells
YWHAH	22	M	Peripheral blood mononuclear cells
ACOT9	X	M	Peripheral blood mononuclear cells
ANOS1	X	M	Peripheral blood mononuclear cells
ARHGEF9	X	M	Peripheral blood mononuclear cells
BCOR	X	M	Peripheral blood mononuclear cells
CD99	X	M	Peripheral blood mononuclear cells
CLIC2	X	M	Peripheral blood mononuclear cells
CSF2RA	X	M	Peripheral blood mononuclear cells
CTPS2	X	M	Peripheral blood mononuclear cells
DKC1	X	M	Peripheral blood mononuclear cells
DNASE1L1	X	M	Peripheral blood mononuclear cells
GAB3	X	M	Peripheral blood mononuclear cells
KAL1	X	M	Peripheral blood mononuclear cells
KIAA2022	X	M	Peripheral blood mononuclear cells
LDOC1	X	M	Peripheral blood mononuclear cells
LONRF3	X	M	Peripheral blood mononuclear cells
MAGED1	X	M	Peripheral blood mononuclear cells
MID2	X	M	Peripheral blood mononuclear cells
MTM1	X	M	Peripheral blood mononuclear cells
MTMR1	X	M	Peripheral blood mononuclear cells
MTMR8	X	M	Peripheral blood mononuclear cells
P2RY8	X	M	Peripheral blood mononuclear cells
PBDC1	X	M	Peripheral blood mononuclear cells

PRPS2	X	M	Peripheral blood mononuclear cells
RBBP7	X	M	Peripheral blood mononuclear cells
RBM3	X	M	Peripheral blood mononuclear cells
RPS6KA6	X	M	Peripheral blood mononuclear cells
SAT1	X	M	Peripheral blood mononuclear cells
SCML1	X	M	Peripheral blood mononuclear cells
SLC25A43	X	M	Peripheral blood mononuclear cells
SLC25A5	X	M	Peripheral blood mononuclear cells
TIMP1	X	M	Peripheral blood mononuclear cells
ZBED1	X	M	Peripheral blood mononuclear cells
ZNF185	X	M	Peripheral blood mononuclear cells
ZNF449	X	M	Peripheral blood mononuclear cells
BPY2	Y	M	Peripheral blood mononuclear cells
CDY1	Y	M	Peripheral blood mononuclear cells
DAZ2	Y	M	Peripheral blood mononuclear cells
DDX3Y	Y	M	Peripheral blood mononuclear cells
EIF1AY	Y	M	Peripheral blood mononuclear cells
HSFY2	Y	M	Peripheral blood mononuclear cells
KDM5D	Y	M	Peripheral blood mononuclear cells
NLGN4Y	Y	M	Peripheral blood mononuclear cells
PRY	Y	M	Peripheral blood mononuclear cells
RBMY1A1	Y	M	Peripheral blood mononuclear cells
RBMY1B	Y	M	Peripheral blood mononuclear cells
RPS4Y1	Y	M	Peripheral blood mononuclear cells
RPS4Y2	Y	M	Peripheral blood mononuclear cells
TMSB4Y	Y	M	Peripheral blood mononuclear cells
TSPY1	Y	M	Peripheral blood mononuclear cells
TSPY2	Y	M	Peripheral blood mononuclear cells
TSPY3	Y	M	Peripheral blood mononuclear cells
USP9Y	Y	M	Peripheral blood mononuclear cells
UTY	Y	M	Peripheral blood mononuclear cells
XKRY	Y	M	Peripheral blood mononuclear cells
ZFY	Y	M	Peripheral blood mononuclear cells
CEP135	4	F	Posterior inferior parietal cortex
ZFX	X	F	Posterior inferior parietal cortex
EDNRA	4	M	Posterior inferior parietal cortex
AIF1	6	M	Posterior inferior parietal cortex
COL1A2	7	M	Posterior inferior parietal cortex
CPED1	7	M	Posterior inferior parietal cortex
TYROBP	19	M	Posterior inferior parietal cortex
CBR1	21	M	Posterior inferior parietal cortex
DDX3Y	Y	M	Posterior inferior parietal cortex
EIF1AY	Y	M	Posterior inferior parietal cortex
NLGN4Y	Y	M	Posterior inferior parietal cortex
PCDH11Y	Y	M	Posterior inferior parietal cortex
RPS4Y1	Y	M	Posterior inferior parietal cortex
USP9Y	Y	M	Posterior inferior parietal cortex
UTY	Y	M	Posterior inferior parietal cortex
ZFY	Y	M	Posterior inferior parietal cortex
SCN9A	2	F	Primary auditory cortex
CCSER1	4	F	Primary auditory cortex
CEP135	4	F	Primary auditory cortex
CEP162	6	F	Primary auditory cortex
ZNF804B	7	F	Primary auditory cortex
KIF16B	20	F	Primary auditory cortex
ZFX	X	F	Primary auditory cortex
LAPTM5	1	M	Primary auditory cortex
COL3A1	2	M	Primary auditory cortex
EDNRA	4	M	Primary auditory cortex
COL1A2	7	M	Primary auditory cortex

CPED1	7	M	Primary auditory cortex
CTSC	11	M	Primary auditory cortex
LYVE1	11	M	Primary auditory cortex
LUM	12	M	Primary auditory cortex
COLEC12	18	M	Primary auditory cortex
C3	19	M	Primary auditory cortex
TYROBP	19	M	Primary auditory cortex
BGN	X	M	Primary auditory cortex
CYBB	X	M	Primary auditory cortex
DDX3Y	Y	M	Primary auditory cortex
EIF1AY	Y	M	Primary auditory cortex
NLGN4Y	Y	M	Primary auditory cortex
PCDH11Y	Y	M	Primary auditory cortex
RPS4Y1	Y	M	Primary auditory cortex
TMSB4Y	Y	M	Primary auditory cortex
USP9Y	Y	M	Primary auditory cortex
UTY	Y	M	Primary auditory cortex
ZFY	Y	M	Primary auditory cortex
GNG11	7	F	Primary motor cortex
PUDP	X	F	Primary motor cortex
TET2	4	M	Primary motor cortex
DDX3Y	Y	M	Primary motor cortex
EIF1AY	Y	M	Primary motor cortex
NLGN4Y	Y	M	Primary motor cortex
PCDH11Y	Y	M	Primary motor cortex
RPS4Y1	Y	M	Primary motor cortex
USP9Y	Y	M	Primary motor cortex
UTY	Y	M	Primary motor cortex
ZFY	Y	M	Primary motor cortex
PUDP	X	F	Primary somatosensory cortex
ZFX	X	F	Primary somatosensory cortex
COL3A1	2	M	Primary somatosensory cortex
COL1A2	7	M	Primary somatosensory cortex
CPED1	7	M	Primary somatosensory cortex
COL1A1	17	M	Primary somatosensory cortex
DDX3Y	Y	M	Primary somatosensory cortex
EIF1AY	Y	M	Primary somatosensory cortex
NLGN4Y	Y	M	Primary somatosensory cortex
PCDH11Y	Y	M	Primary somatosensory cortex
RPS4Y1	Y	M	Primary somatosensory cortex
USP9Y	Y	M	Primary somatosensory cortex
UTY	Y	M	Primary somatosensory cortex
ZFY	Y	M	Primary somatosensory cortex
ZFX	X	F	Primary visual cortex
EDNRA	4	M	Primary visual cortex
COX7A2	6	M	Primary visual cortex
GLO1	6	M	Primary visual cortex
HIST1H2BK	6	M	Primary visual cortex
CPED1	7	M	Primary visual cortex
LY6E	8	M	Primary visual cortex
DDX3Y	Y	M	Primary visual cortex
EIF1AY	Y	M	Primary visual cortex
NLGN4Y	Y	M	Primary visual cortex
PCDH11Y	Y	M	Primary visual cortex
RPS4Y1	Y	M	Primary visual cortex
USP9Y	Y	M	Primary visual cortex
UTY	Y	M	Primary visual cortex
ZFY	Y	M	Primary visual cortex
ORC3L	6	F	Putamen
KDM5C	X	F	Putamen

PUDP	X	F	Putamen
ZFX	X	F	Putamen
DDX3Y	Y	M	Putamen
EIF1AY	Y	M	Putamen
KDM5D	Y	M	Putamen
NLGN4Y	Y	M	Putamen
RPS4Y1	Y	M	Putamen
TMSB4Y	Y	M	Putamen
USP9Y	Y	M	Putamen
UTY	Y	M	Putamen
ZFY	Y	M	Putamen
ASTN1	1	F	Skin
CLCNKA	1	M	Skin
C2orf72	2	M	Skin
SPATA3	2	M	Skin
CORIN	4	M	Skin
CUX2	12	M	Skin
DAZ2	Y	M	Skin
DDX3Y	Y	M	Skin
EIF1AY	Y	M	Skin
KDM5D	Y	M	Skin
NLGN4Y	Y	M	Skin
PCDH11Y	Y	M	Skin
RPS4Y1	Y	M	Skin
SRY	Y	M	Skin
TBL1Y	Y	M	Skin
TMSB4Y	Y	M	Skin
USP9Y	Y	M	Skin
UTY	Y	M	Skin
ZFY	Y	M	Skin
NKTR	3	F	Striatum
DDX3Y	Y	M	Striatum
EIF1AY	Y	M	Striatum
NLGN4Y	Y	M	Striatum
PCDH11Y	Y	M	Striatum
RPS4Y1	Y	M	Striatum
TMSB4Y	Y	M	Striatum
USP9Y	Y	M	Striatum
UTY	Y	M	Striatum
ZFY	Y	M	Striatum
DDX3X	X	F	Substantianigra
KDM5C	X	F	Substantianigra
KDM6A	X	F	Substantianigra
PUDP	X	F	Substantianigra
ZFX	X	F	Substantianigra
DDX3Y	Y	M	Substantianigra
EIF1AY	Y	M	Substantianigra
KDM5D	Y	M	Substantianigra
NLGN4Y	Y	M	Substantianigra
RPS4Y1	Y	M	Substantianigra
TMSB4Y	Y	M	Substantianigra
USP9Y	Y	M	Substantianigra
UTY	Y	M	Substantianigra
ZFY	Y	M	Substantianigra
DDX3Y	Y	M	Substantianigra
EIF1AY	Y	M	Substantianigra
KDM5D	Y	M	Substantianigra
NLGN4Y	Y	M	Substantianigra
PCDH11Y	Y	M	Substantianigra
RPS4Y1	Y	M	Substantianigra

TMSB4Y	Y	M	Substantianigra
USP9Y	Y	M	Substantianigra
UTY	Y	M	Substantianigra
ZFY	Y	M	Substantianigra
PPP1R2	3	F	Superior temporal cortex
CCSER1	4	F	Superior temporal cortex
TET2	4	F	Superior temporal cortex
PLXNA4	7	F	Superior temporal cortex
ZFX	X	F	Superior temporal cortex
DHRS3	1	M	Superior temporal cortex
OLFML3	1	M	Superior temporal cortex
COL3A1	2	M	Superior temporal cortex
CYBRD1	2	M	Superior temporal cortex
WIPF1	2	M	Superior temporal cortex
CX3CR1	3	M	Superior temporal cortex
P2RY12	3	M	Superior temporal cortex
EDNRA	4	M	Superior temporal cortex
COX7A2	6	M	Superior temporal cortex
CALD1	7	M	Superior temporal cortex
COL1A2	7	M	Superior temporal cortex
CPED1	7	M	Superior temporal cortex
PDK4	7	M	Superior temporal cortex
SDC2	8	M	Superior temporal cortex
CKS2	9	M	Superior temporal cortex
GSN	9	M	Superior temporal cortex
STOM	9	M	Superior temporal cortex
FZD8	10	M	Superior temporal cortex
FOLR2	11	M	Superior temporal cortex
LYVE1	11	M	Superior temporal cortex
LUM	12	M	Superior temporal cortex
FBLN5	14	M	Superior temporal cortex
NPC2	14	M	Superior temporal cortex
RNASE1	14	M	Superior temporal cortex
ISLR	15	M	Superior temporal cortex
COL1A1	17	M	Superior temporal cortex
LGALS3BP	17	M	Superior temporal cortex
NAA38	17	M	Superior temporal cortex
COLEC12	18	M	Superior temporal cortex
C3	19	M	Superior temporal cortex
TYROBP	19	M	Superior temporal cortex
UQCR11	19	M	Superior temporal cortex
MYL9	20	M	Superior temporal cortex
PLTP	20	M	Superior temporal cortex
CBR1	21	M	Superior temporal cortex
LGALS1	22	M	Superior temporal cortex
BGN	X	M	Superior temporal cortex
CYBB	X	M	Superior temporal cortex
MSN	X	M	Superior temporal cortex
TIMP1	X	M	Superior temporal cortex
DDX3Y	Y	M	Superior temporal cortex
EIF1AY	Y	M	Superior temporal cortex
NLGN4Y	Y	M	Superior temporal cortex
PCDH11Y	Y	M	Superior temporal cortex
RPS4Y1	Y	M	Superior temporal cortex
TMSB4Y	Y	M	Superior temporal cortex
USP9Y	Y	M	Superior temporal cortex
UTY	Y	M	Superior temporal cortex
ZFY	Y	M	Superior temporal cortex
DNAJC1	10	F	Temporal cortex
DDX3X	X	F	Temporal cortex

EIF2S3	X	F	Temporal cortex
KDM5C	X	F	Temporal cortex
KDM6A	X	F	Temporal cortex
PUDP	X	F	Temporal cortex
ZFX	X	F	Temporal cortex
DDX3Y	Y	M	Temporal cortex
EIF1AY	Y	M	Temporal cortex
KDM5D	Y	M	Temporal cortex
NLGN4Y	Y	M	Temporal cortex
RPS4Y1	Y	M	Temporal cortex
TMSB4Y	Y	M	Temporal cortex
USP9Y	Y	M	Temporal cortex
UTY	Y	M	Temporal cortex
ZFY	Y	M	Temporal cortex
HAND2	4	F	Thalamus
RHCG	15	F	Thalamus
MT1X	16	F	Thalamus
ALG12	22	F	Thalamus
DDX3X	X	F	Thalamus
EIF2S3	X	F	Thalamus
KDM5C	X	F	Thalamus
KDM6A	X	F	Thalamus
PUDP	X	F	Thalamus
SMC1A	X	F	Thalamus
ZFX	X	F	Thalamus
DDX3Y	Y	M	Thalamus
EIF1AY	Y	M	Thalamus
KDM5D	Y	M	Thalamus
NLGN4Y	Y	M	Thalamus
RPS4Y1	Y	M	Thalamus
TMSB4Y	Y	M	Thalamus
USP9Y	Y	M	Thalamus
UTY	Y	M	Thalamus
ZFY	Y	M	Thalamus
HTRA4	8	F	Thyroid
ITGAX	16	F	Thyroid
CXorf21	X	F	Thyroid
SLITRK4	X	M	Thyroid
DDX3Y	Y	M	Thyroid
EIF1AY	Y	M	Thyroid
KDM5D	Y	M	Thyroid
NLGN4Y	Y	M	Thyroid
PCDH11Y	Y	M	Thyroid
RPS4Y1	Y	M	Thyroid
TBL1Y	Y	M	Thyroid
TMSB4Y	Y	M	Thyroid
USP9Y	Y	M	Thyroid
UTY	Y	M	Thyroid
ZFY	Y	M	Thyroid
ZFX	X	F	Ventrolateral prefrontal cortex
OLFML3	1	M	Ventrolateral prefrontal cortex
EDNRA	4	M	Ventrolateral prefrontal cortex
CPED1	7	M	Ventrolateral prefrontal cortex
LYVE1	11	M	Ventrolateral prefrontal cortex
CRABP1	15	M	Ventrolateral prefrontal cortex
COLEC12	18	M	Ventrolateral prefrontal cortex
BGN	X	M	Ventrolateral prefrontal cortex
DDX3Y	Y	M	Ventrolateral prefrontal cortex
EIF1AY	Y	M	Ventrolateral prefrontal cortex
NLGN4Y	Y	M	Ventrolateral prefrontal cortex

PCDH11Y	Y	M	Ventrolateral prefrontal cortex
RPS4Y1	Y	M	Ventrolateral prefrontal cortex
TMSB4Y	Y	M	Ventrolateral prefrontal cortex
USP9Y	Y	M	Ventrolateral prefrontal cortex
UTY	Y	M	Ventrolateral prefrontal cortex
ZFY	Y	M	Ventrolateral prefrontal cortex
DDX3X	X	F	Whitematter
EIF1AX	X	F	Whitematter
EIF2S3	X	F	Whitematter
KDM5C	X	F	Whitematter
KDM6A	X	F	Whitematter
PUDP	X	F	Whitematter
ZFX	X	F	Whitematter
DDX3Y	Y	M	Whitematter
EIF1AY	Y	M	Whitematter
KDM5D	Y	M	Whitematter
NLGN4Y	Y	M	Whitematter
RPS4Y1	Y	M	Whitematter
TMSB4Y	Y	M	Whitematter
USP9Y	Y	M	Whitematter
UTY	Y	M	Whitematter
ZFY	Y	M	Whitematter