

AADAC	ATL2	CD53	CYTIP
AADACL2	ATP2A3	CD79A	DAGLB
AANAT	ATP6V1C2	CDC42BPA	DCT
ABAT	B3GALT5	CEBPG	DDIT4L
ABCA12	B3GNT5	CELA2B	DENND10
ABCC4	B4GALT6	CENPP	DENND5B
ABCE1	BAIAP3	CFAP45	DERL3
ACAD9	BANF1	CHRNA3	DES
ACHE	BHLHA15	CHST1	DLG2
ACOT7	BHLHE41	CHST2	DLX3
ACSM6	BIRC2	CHTOP	DNASE1L2
ADA2	BNIP1	CLCA4	DSC1
ADAM2	BOLL	CLDN10	DSC2
ADAM20	BPIFC	CLDN20	DSG1
ADAM28	BPTF	CLDND1	DSG4
ADAT1	BTG2	CLEC18A	DTNB-AS1
ADRA1D	C16orf54	CLEC2B	DUSP13
AHNAK2	C1orf185	CNFN	DYNLL1
AK1	C2CD4A	CNTNAP3	E2F4
AKR1C2	C3	COBL	EAF2
ALOX15B	C3orf56	COL15A1	EEA1
ALOX5	C4A	COL4A1	EFL1
ALPK1	C4B	COL4A2	EIF1AD
ANKRD29	C4BPA	COPS9	EIF3E
ANKRD36	C4orf3	COX6A2	EIF5
ANKRD36B	C5orf15	CPNE5	EIF5A
ANKRD36BP2	C6orf132	CPPED1	ELMOD1
ANKRD36C	CACNG3	CRYBA4	ELOVL4
ANKRD9	CALML5	CSDE1	EMC10
ANXA1	CAPZA1	CSF2	ENAH
APIP	CARD14	CSF2RB	ENKD1
APOA4	CARMN	CSF3	ENPP2
APOC2	CAT	CSK	ENTPD1
ARCN1	CCDC170	CWH43	EPB41L4B
ARG1	CCDC47	CXCL1	EPCAM
ARHGAP17	CCL18	CXCL12	EPPK1
ARHGAP9	CCL3L3	CXCL13	ERAP2
ARHGEF5	CCN1	CXCL6	ERI1
ARL17A	CCT3	CXCL8	ESRRB
ARL17B	CD19	CXCR4	ETFDH
ARVCF	CD200R1L	CYBA	ETV5
ASNS	CD27	CYP24A1	EVI2B
ATAD1	CD36	CYP2C18	EXPH5
	CD38	CYP3A5	FAAH2

FABP4	GSTA1	IGHV3-33	IGLV3-10
FAM151A	GTPBP10	IGHV3-33-2	IGLV3-19
FAM205A	GUSBP11	IGHV3-47	IGLV3-25
FAM214A	GZMM	IGHV3-54	IGLV4-60
FAM30A	H1-0	IGHV3-7	IGLV7-43
FAM83C	H2AZ2	IGHV3-72	IKZF1
FANCG	H3C11	IGHV3-73	IL10RA
FAP	H4C14	IGHV4-34	IL1B
FBXO16	HBA1	IGHV4-59	IL22RA2
FBXO44	HBA2	IGHV4-61	IL2RG
FCGR2B	HBB	IGKJ2	INIP
FCGR3A	HBS1L	IGKJ3	INKA1
FCGR3B	HCLS1	IGKJ4	INPP5J
FCRL5	HLA-DOB	IGKJ5	IRF4
FCRLA	HLF	IGKV1-13	IRX1
FGF23	HMGN2	IGKV1-17	ISCU
FILIP1L	HMGN3	IGKV1-37	ITGA11
FKBP11	HNRNPL	IGKV1-39	ITGAL
FLG	HNRNPR	IGKV1D-13	ITM2C
FLG2	HOXC9	IGKV1D-17	JAK3
FLOT2	HOXD3	IGKV1D-37	JCHAIN
FMN1	HPGD	IGKV1D-39	JUNB
FNDC3B	HSPA13	IGKV1D-8	KCNN3
FOLH1	HVCN1	IGKV1OR10-1	KIAA0408
FOS	ICAM2	IGKV1OR1-1	KIF21A
FOSL2	ICAM3	IGKV1OR-2	KLHDC9
FOXD4L4	ICOS	IGKV1OR2-1	KLHL6
FOXN1	IFNA7	IGKV1OR2-108	KRT1
FOXP2	IFNW1	IGKV1OR2-118	KRT10
FPR1	IGHA1	IGKV1OR2-2	KRT19
FRMD7	IGHA2	IGKV1OR-3	KRT2
FSD2	IGHG1	IGKV1OR9-1	KYNU
FSIP2	IGHG2	IGKV1OR9-2	LAMA4
GADD45GIP1	IGHG3	IGKV2-28	LANCL3
GALR1	IGHG4	IGKV2D-28	LAX1
GATA6	IGHGP	IGKV3-20	LEKR1
GJA3	IGHM	IGKV4-1	LGALS9
GLCCI1	IGHV1-69	IGLC2	LGALSL
GLRA2	IGHV1-69D	IGLC3	LIMK1
GLRA3	IGHV3-20	IGLL3P	LORICRIN
GLYATL2	IGHV3-21	IGLV1-47	LRPAP1
GNAI2	IGHV3-23	IGLV1-51	LRRC8E
GPRASP1	IGHV3-30	IGLV2-14	LRRIQ3
GSR	IGHV3-30-2	IGLV2-8	LSM4

LSM5	NCOA6	PLAT	RGS1
LSM6	NCOA7	PLGLB2	RGS20
LSMEM1	NDUFB10	PLPP5	RGS4
LST1	NEDD9	PLXDC2	RIF1
LY6G6C	NEFL	PNOC	RNF10
LY9	NEFM	POF1B	RNF212
MACF1	NF2	POM121L2	RNH1
MAF	NIPBL	POU2AF1	RORA
MAGED4B	NME2	PPBP	RORC
MAMDC2	NOA1	PPM1E	RPA3
MAP2	NOG	PPM1L	RPL32
MARCHF9	None	PPOX	RPL35A
MBNL2	NOP9	PPP1R27	RPL37
MEAK7	NOS1	PPT1	RPL39
MED18	NPR1	PREB	RPTN
MEI1	NPR3	PRKX	RUVBL2
MGMT	NR0B1	PROK2	RYR2
MGST2	NSD3	PRRC1	S100A13
MID2	NSG1	PRSS35	SAA1
MIF	NTPCR	PSG8	SAA2
MINDY1	NUDT6	PSMA7	SAA2-SAA4
MIR650	NUP153	PSME1	SAA4
MIR6841	ODAM	PSORS1C1	SAMD14
MME	OR11L1	PTGER3	SAMSN1
MMEL1	OR8H3	PTH1R	SCTR
MMP12	OR8K3	PTHLH	SDHC
MMP13	P2RY6	PTK7	SEC61G
MMP7	P2RY8	PTP4A3	SECISBP2L
MPL	PAGE4	PTPN22	SEL1L3
MPND	PAPPA2	PXN	SELE
MPZL1	PAQR5	PYDC1	SELENOM
MRPL43	PCDHGA1	PYGL	SELL
MRPS33	PCDHGC3	QSOX2	SEMA5A
MS4A1	PDE4C	RAB28	SERPINA1
MTHFS	PDLIM3	RAB30	SF1
MUC15	PDZRN4	RAB39B	SFRP4
MUC17	PECAM1	RAB6A	SH3GL3
MYOF	PES1	RAC2	SIT1
MZB1	PHEX	RASA3	SLAMF7
N4BP2L1	PHF12	RASSF6	SLAMF8
NAA20	PHF13	RAVER1	SLC15A2
NAT1	PIM2	RECK	SLC16A9
NBPF14	PIP5K1B	RFK	SLC19A1
NCF4	PLAC8	RGL2	SLC19A2

SLC22A15	TCEA3	YARS1
SLC25A35	TCEAL9	YOD1
SLC26A1	TDO2	ZBP1
SLC27A6	TENT5C	ZFPM1
SLC2A3	TGM6	ZGPAT
SLC2A4RG	THADA	ZNF155
SLC30A2	THEMIS2	ZNF215
SLC30A5	TLE4	ZNF287
SLC35A2	TLL1	ZNF394
SLC35B1	TMC5	ZNF587
SLC6A12	TMC7	ZNF766
SLC9A9	TMEM176B	ZNF77
SLF1	TMTC3	ZNF787
SLTM	TNFRSF17	ZSCAN23
SMAD2	TNFRSF19	
SMAD7	TNFRSF6B	
SMARCE1	TNIP1	
SMC3	TNNC2	
SMIM12	TOR1AIP1	
SNX21	TPT1	
SOCS3	TRIM40	
SOCS7	TRIM60	
SORT1	TRMT9B	
SOSTDC1	TSPAN7	
SOX6	TTI2	
SP7	TUBAL3	
SPACA7	TYRP1	
SPAG17	UBAC1	
SPAG4	UNC93A	
SPHK2	USE1	
SPRED1	USP2	
SPRED2	USP34	
SREK1	USP53	
SRGN	USP54	
ST6GAL1	USP9Y	
STAP1	UST	
SUCLG1	WAKMAR2	
SYN2	WASF2	
SYNGR4	WASL	
TAGAP	XDH	
TAGLN	XIAP	
TAPBPL	XKR6	
TAS2R16	XRN2	
TCEA2	Y_RNA	