

ABCC3	AR	BCL11A	CANT1	CDK1	CMKLR1	DAB2IP	DUSP9
ABI1	ARAF	BCL11B	CAPRN1	CDK12	CNBP	DACH1	E2F1
ABL1	ARFRP1	BCL2	CAPZB	CDK2	CNOT2	DACH2	E2F3
ABL2	ARHGAP20	BCL2A1	CARD11	CDK4	CNTN1	DAXX	EBF1
ABLIM1	ARHGAP26	BCL2L1	CARM1	CDK5RAP2	CNTRL	DCLK2	ECT2L
ACACA	ARHGEF12	BCL2L11	CARS	CDK6	COG5	DCN	EDIL3
ACE	ARHGEF7	BCL2L2	CASC5	CDK7	COL11A1	DDB1	EDNRB
ACER1	ARID1A	BCL3	CASP3	CDK8	COL1A1	DDB2	EED
ACSBG1	ARID1B	BCL6	CASP7	CDK9	COL1A2	DDIT3	EEFSEC
ACSL3	ARID2	BCL7A	CASP8	CDKL5	COL3A1	DDR2	EGF
ACSL6	ARID5B	BCL9	CAV1	CDKN1A	COL6A3	DDX10	EGFR
ACVR1	ARIH2	BCOR	CBFA2T3	CDKN1B	COL9A3	DDX20	EGR1
ACVR1B	ARNT	BCORL1	CBFB	CDKN1C	COMMDD1	DDX39B	EGR2
ACVR1C	ARRDC4	BCR	CBL	CDKN2A	COX6C	DDX3X	EGR3
ACVR2A	ASMTL	BDNF	CBLB	CDKN2B	CPNE1	DDX41	EGR4
ADD3	ASPH	BHLHE22	CBLC	CDKN2C	CPS1	DDX5	EIF1AX
ADM	ASPSCR1	BICC1	CCDC28A	CDKN2D	CPSF6	DDX6	EIF4A2
AFF1	ASTN2	BIN1	CCDC6	CDX1	CRADD	DEK	EIF4E
AFF3	ASXL1	BIRC3	CCDC88C	CDX2	CREB1	DGKB	ELF3
AFF4	ASXL2	BIRC6	CCK	CEBPA	CREB3L1	DGKI	ELF4
AGR3	ATF1	BLM	CCL2	CEBPB	CREB3L2	DGKZ	ELK4
AHCYL1	ATF3	BMP4	CCNA2	CEBPD	CREBBP	DICER1	ELL
AHI1	ATG13	BMPR1A	CCNB1IP1	CEBPE	CRKL	DIRAS3	ELN
AHR	ATG5	BRAF	CCNB3	CENPF	CRLF2	DIS3	ELOVL2
AHRR	ATIC	BRCA1	CCND1	CENPU	CRTC1	DIS3L2	ELP2
AIP	ATL1	BRCA2	CCND2	CEP170B	CRTC3	DKK1	EML1
AK2	ATM	BRCC3	CCND3	CEP57	CSF1	DKK2	EML4
AK5	ATP1B4	BRD1	CCNE1	CEP85L	CSF1R	DKK4	ENPP2
AKAP12	ATP8A2	BRD3	CCNG1	CHCHD7	CSF3	DLEC1	EP300
AKAP6	ATR	BRD4	CCT6B	CHD2	CSF3R	DLL1	EP400
AKAP9	ATRNL1	BRIP1	CD19	CHD4	CSNK1A1	DLL3	EPC1
AKR1C3	ATRX	BRSK1	CD22	CHD6	CSNK1G2	DLL4	EPCAM
AKT1	AURKA	BRWD3	CD274	CHEK1	CSNK2A1	DMRT1	EPHA10
AKT2	AURKB	BTBD18	CD28	CHEK2	CTCF	DMRTA2	EPHA2
AKT3	AUTS2	BTG1	CD36	CHIC2	CTDSP2	DNAJB1	EPHA3
ALDH1A1	AXIN1	BTG2	CD44	CHL1	CTLA4	DNM1	EPHA5
ALDH2	AXIN2	BTK	CD58	CHMP2B	CTNNA1	DNM2	EPHA7
ALDOC	AXL	BTLA	CD70	CHN1	CTNNB1	DNM3	EPHB1
ALK	B2M	BUB1B	CD74	CHST11	CTNND2	DNMT1	EPHB6
ALOX12B	BACH1	C11ORF30	CD79A	CHUK	CTRB1	DNMT3A	EPO
AMER1	BACH2	C2CD2L	CD79B	CIC	CTSA	DOCK1	EPOR
AMH	BAG4	CACNA1F	CD8A	CIITA	CUL3	DOT1L	EPS15
ANGPT1	BAIAP2L1	CACNA1G	CDC14A	CIRH1A	CUX1	DPM1	ERBB2
ANKRD26	BAP1	CACNA2D3	CDC14B	CIT	CXCL8	DPYD	ERBB3
ANKRD28	BARD1	CAD	CDC25A	CKB	CXCR4	DST	ERBB4
ANLN	BAX	CALR	CDC25C	CKS1B	CXXC4	DTX1	ERC1
APC	BAZ2A	CAMK2A	CDC42	CLP1	CYFIP2	DTX4	ERCC1
APH1A	BCAS3	CAMK2B	CDC73	CLTA	CYLD	DUSP2	ERCC2
APLP2	BCAS4	CAMK2G	CDH1	CLTC	CYP1B1	DUSP22	ERCC3
APOD	BCL10	CAMTA1	CDH11	CLTCL1	CYP2C19	DUSP26	ERCC4

ERCC5	FCRL4	FRYL	GPR34	HIST1H3B	IGFBP3	KALRN	LHFP
ERCC6	FEN1	FSTL3	GPS2	HIST1H3C	IKBKB	KANK1	LHX2
ERG	FEV	FUBP1	GRB10	HIST1H4I	IKBKE	KAT2B	LHX4
ERLIN2	FGF1	FUS	GRB2	HLA-A	IKZF1	KAT6A	LIFR
ERRFI1	FGF10	FUT1	GREM1	HLA-B	IKZF2	KAT6B	LIG4
ESR1	FGF13	FZD10	GRHPR	HLA-DRB1	IKZF3	KCNB1	LINC00598
ETNK1	FGF14	FZD2	GRID1	HLF	IL10	KDM1A	LINGO2
ETS1	FGF19	FZD3	GRIN2A	HMGA1	IL12RB2	KDM2B	LMBRD1
ETS2	FGF2	FZD6	GRIN2B	HMGA2	IL13	KDM4C	LMO1
ETV1	FGF23	FZD7	GRM1	HMGB1	IL13RA2	KDM5A	LMO2
ETV4	FGF3	FZD8	GRM3	HMG2P46	IL15	KDM5C	LMO7
ETV5	FGF4	GAB1	GSK3B	HNF1A	IL1B	KDM6A	LNP1
ETV6	FGF5	GABRA6	GSN	HNRNPA2B1	IL1R1	KDR	LOX
EWSR1	FGF6	GABRG2	GTF2I	HOOK3	IL1RAP	KDSR	LPAR1
EXO1	FGF7	GADD45B	GTSE1	HOXA10	IL2	KEAP1	LPP
EXOSC6	FGF8	GANAB	H2AFX	HOXA11	IL21R	KEL	LPXN
EXT1	FGF9	GAS1	H3F3A	HOXA13	IL2RA	KIAA0232	LRIG3
EXT2	FGFR1	GAS5	H3F3B	HOXA3	IL2RG	KIAA1524	LRMP
EYA1	FGFR1OP	GAS7	H3F3C	HOXA9	IL3	KIAA1549	LRP1B
EYA2	FGFR1OP2	GATA1	HAS2	HOXB13	IL6	KIAA1598	LRP5
EZH2	FGFR2	GATA2	HDAC1	HOXC11	IL7R	KIF1B	LRPPRC
EZR	FGFR3	GATA3	HDAC2	HOXC13	INHBA	KIF5B	LRRC37B
FAF1	FGFR4	GATA4	HDAC3	HOXD11	INPP4A	KIT	LRRC59
FAM127C	FH	GATA6	HDAC4	HOXD13	INPP4B	KLF2	LRRC7
FAM175A	FHIT	GBP2	HDAC5	HOXD9	INPP5A	KLF4	LRRK2
FAM19A2	FHL2	GDF6	HDAC6	HRAS	INPP5D	KLHL6	LTBP1
FAM19A5	FIGF	GEN1	HDAC7	HSD3B1	IQCG	KLK2	LUC7L2
FAM46C	FIP1L1	GFAP	HECW1	HSP90AA1	IRF1	KLK7	LYL1
FAM5C	FLCN	GHR	HEPH	HSP90AB1	IRF2	KMT2A	LYN
FAM64A	FLI1	GID4	HERPUD1	HSPA1A	IRF2BP2	KMT2B	LZTR1
FANCA	FLNA	GIT2	HES1	HSPA2	IRF4	KMT2C	MACROD1
FANCB	FLNC	GLI1	HES5	HSPA4	IRF8	KMT2D	MAD2L1
FANCC	FLT1	GLI2	HEY1	HSPA5	IRS1	KNSTRN	MADD
FANCD2	FLT3	GLI3	HGF	HTRA1	IRS2	KPNB1	MAF
FANCE	FLT3LG	GMPS	HHEX	HUWE1	IRS4	KRAS	MAFB
FANCF	FLT4	GNA11	HIF1A	IBSP	ITGA5	KSR1	MAGED1
FANCG	FLYWCH1	GNA12	HIP1	ICAM1	ITGA7	KTN1	MAGEE1
FANCI	FNBP1	GNA13	HIPK1	ICK	ITGA8	LAMA1	MAGI2
FANCL	FOS	GNAI1	HIPK2	ID1	ITGAV	LAMA5	MAGOH
FANCM	FOSB	GNAQ	HIST1H1C	ID3	ITGB3	LAMP2	MALAT1
FAS	FOSL1	GNAS	HIST1H1D	ID4	ITK	LASP1	MALT1
FASLG	FOXA1	GNB1	HIST1H1E	IDH1	ITPKA	LATS1	MAML1
FAT1	FOXL2	GNG4	HIST1H2AC	IDH2	ITPKB	LATS2	MAML2
FAT3	FOXO1	GOLGA5	HIST1H2AG	IFNG	JAG2	LCK	MAP2
FBN2	FOXO3	GOPC	HIST1H2AL	IFNGR1	JAK1	LCP1	MAP2K1
FBXO11	FOXO4	GOSR1	HIST1H2AM	IFRD1	JAK2	LEF1	MAP2K2
FBXO31	FOXP1	GOT1	HIST1H2BC	IGF1	JAK3	LEFTY2	MAP2K3
FBXW7	FRK	GPC3	HIST1H2BJ	IGF1R	JARID2	LFNG	MAP2K4
FCGBP	FRMPD4	GPHN	HIST1H2BK	IGF2	JAZF1	LGALS3	MAP2K5
FCGR2B	FRS2	GPR124	HIST1H2BO	IGFBP2	JUN	LGR5	MAP2K6

MAP2K7	MLLT3	NDRG1	NUTM1	PHF6	PPP1R13L	PTK2	RECQL4
MAP3K1	MLLT4	NDUFAF1	NUTM2A	PHOX2B	PPP2CB	PTK2B	REEP3
MAP3K13	MLLT6	NEDD4	NUTM2B	PI4KA	PPP2R1A	PTK7	REL
MAP3K14	MMP7	NEURL1	OFD1	PICALM	PPP2R1B	PTPN11	RELA
MAP3K6	MMP9	NF1	OLIG1	PIGA	PPP2R2A	PTPN2	RELN
MAP3K7	MN1	NF2	OLIG2	PIK3C2B	PPP2R2B	PTPN6	RERG
MAPK1	MNAT1	NFATC1	OLR1	PIK3C2G	PPP2R4	PTPRA	RET
MAPK3	MNX1	NFATC2	OMD	PIK3CA	PPP3CA	PTPRD	RFWD2
MAPK8	MPL	NFE2	P2RY8	PIK3CB	PPP3CB	PTPRK	RGS7
MAPK8IP2	MRE11A	NFE2L2	PAFAH1B2	PIK3CD	PPP3CC	PTPRO	RHBDF2
MAPK9	MSH2	NFIB	PAG1	PIK3CG	PPP3R1	PTPRR	RHEB
MAPRE1	MSH3	NFKB1	PAK1	PIK3R1	PPP3R2	PTPRS	RHOA
MATK	MSH6	NFKB2	PAK3	PIK3R2	PPP4C	PTPRT	RHOD
MAX	MSI2	NFKBIA	PAK6	PIK3R3	PPP6C	PTTG1	RHOH
MB21D2	MSN	NFKBIE	PAK7	PIM1	PQLC3	PVT1	RICTOR
MBNL1	MST1R	NGF	PALB2	PKM	PRCC	QKI	RINT1
MBTD1	MTCP1	NGFR	PAPPA	PLA2G2A	PRDM1	RAB35	RIT1
MCL1	MTOR	NIN	PARK2	PLA2G5	PRDM16	RABEP1	RLTPR
MDC1	MTUS2	NIPBL	PARP1	PLAG1	PRDM7	RAC1	RMI2
MDH1	MUC1	NKX2-1	PARP4	PLAT	PREX2	RAC2	RNF213
MDM2	MUTYH	NKX2-5	PASK	PLAU	PRF1	RAC3	RNF43
MDM4	MYB	NKX3-1	PATZ1	PLCB1	PRG2	RAD21	ROBO1
MDS2	MYBL1	NOD1	PAX3	PLCB4	PRICKLE1	RAD50	ROBO2
MEAF6	MYC	NODAL	PAX5	PLCG1	PRKACA	RAD51	ROS1
MECOM	MYCL1	NONO	PAX7	PLCG2	PRKACG	RAD51B	RPA1
MED12	MYCN	NOS3	PAX8	PLEKHM2	PRKAR1A	RAD51C	RPA3
MEF2B	MYD88	NOTCH1	PBRM1	PLK2	PRKCA	RAD51D	RPL22
MEF2C	MYH11	NOTCH2	PBX1	PML	PRKCB	RAD52	RPN1
MEF2D	MYH9	NOTCH3	PC	PMS1	PRKCD	RAD54B	RPN2
MELK	MYO18A	NOTCH4	PCBP1	PMS2	PRKCG	RAD54L	RPS15
MEN1	MYO1F	NPM1	PCLO	POFUT1	PRKCI	RAF1	RPS20
MET	MYOD1	NPM2	PCM1	POLD1	PRKDC	RALGDS	RPS21
METTL18	NAB2	NR3C1	PCNA	POLD4	PRKG2	RANBP17	RPS6KA1
METTL7B	NACA	NR4A3	PCSK7	POLE	PRMT1	RANBP2	RPS6KA2
MFNG	NAPA	NR6A1	PDCD1	POLQ	PRMT8	RAP1GDS1	RPS6KA3
MGA	NAV3	NRAS	PDCD11	POLR2H	PROM1	RARA	RPS6KB1
MGEA5	NBEAP1	NRG1	PDCD1LG2	POM121	PRPF40B	RASA1	RPS6KB2
MGMT	NBN	NSD1	PDE4DIP	POMGNT1	PRPF8	RASAL1	RPTOR
MIB1	NBR1	NT5C2	PDGFA	POSTN	PRRX1	RASGEF1A	RRAGC
MIPOL1	NCAM1	NTF3	PDGFB	POT1	PRRX2	RASGRF1	RRAS
MITF	NCKIPSD	NTF4	PDGFD	POU2AF1	PRSS8	RASGRF2	RRAS2
MKI67	NCOA1	NTHL1	PDGFRA	POU5F1	PSD3	RASGRP1	RREB1
MKL1	NCOA2	NTRK1	PDGFRB	PPAP2B	PSEN1	RB1	RRM1
MKL2	NCOA3	NTRK2	PDK1	PPARG	PSIP1	RBM10	RRM2B
MLF1	NCOA4	NTRK3	PEG3	PPARGC1A	PSMD2	RBM15	RSPO2
MLH1	NCOR1	NUMA1	PER1	PPFIA2	PTBP1	RBM6	RSPO3
MLH3	NCOR2	NUP107	PFDN5	PPFIBP1	PTCH1	RCHY1	RTKL1
MLLT1	NCSTN	NUP214	PHB	PPM1D	PTCRA	RCOR1	RTN3
MLLT10	NDC80	NUP93	PHF1	PPP1CB	PTEN	RCSD1	RUNX1
MLLT11	NDE1	NUP98	PHF23	PPP1R13B	PTGS2	RECQL	RUNX1T1

RUNX2	SLIT2	SRP72	TEAD1	TOPBP1	WDR18	ZMIZ1
RYR3	SLX4	SRRM3	TEAD2	TP53	WDR70	ZMYM2
S1PR2	SMAD2	SRSF2	TEAD3	TP53BP1	WDR90	ZMYM3
SAMD9	SMAD3	SRSF3	TEAD4	TP63	WEE1	ZMYND11
SAMD9L	SMAD4	SS18	TEC	TP73	WHSC1	ZNF207
SAMHD1	SMAD6	SS18L1	TENM1	TPD52L2	WHSC1L1	ZNF217
SARNP	SMAP1	SSBP2	TERC	TPM3	WIF1	ZNF24
SBDS	SMARCA1	SSX1	TERF1	TPM4	WISP3	ZNF331
SCN8A	SMARCA4	SSX2	TERF2	TPMT	WNT10A	ZNF384
SDC4	SMARCA5	SSX4	TERT	TPO	WNT10B	ZNF444
SDHA	SMARCB1	ST6GAL1	TET1	TPR	WNT11	ZNF521
SDHAF2	SMC1A	STAG2	TET2	TRAF2	WNT16	ZNF585B
SDHB	SMC3	STAT1	TFAP2A	TRAF3	WNT2B	ZNF687
SDHC	SMO	STAT3	TFDP1	TRAF5	WNT3	ZNF703
SDHD	SNAPC3	STAT4	TFE3	TRAF7	WNT4	ZNF750
SEC31A	SNCAIP	STAT5A	TFEB	TRHDE	WNT5B	ZRSR2
SERP2	SNCG	STAT5B	TFG	TRIM24	WNT6	
SERPINE1	SNHG5	STAT6	TFPT	TRIM27	WNT7B	
SERPINF1	SNW1	STIL	TFRC	TRIM33	WNT8B	
SET	SNX29	STK11	TGFB2	TRIP11	WRN	
SETBP1	SNX9	STRN	TGFB3	TRPS1	WSB1	
SETD1B	SOCS1	STX5	TGFB1	TSC1	WT1	
SETD2	SOCS2	STYK1	TGFBR1	TSC2	WWOX	
SETD7	SOCS3	SUFU	TGFBR2	TSHR	WWTR1	
SF1	SOD2	SUGP2	TGFBR3	TTK	XBP1	
SF3A1	SORBS2	SULF1	THADA	TTL	XIAP	
SF3B1	SORT1	SUV39H2	THBS1	TUSC3	XKR3	
SFPQ	SOS1	SUZ12	THRAP3	TYK2	XPA	
SFRP2	SOX10	SYK	TIAM1	TYMS	XPC	
SFRP4	SOX11	SYP	TIRAP	U2AF1	XPO1	
SGK1	SOX17	TACC1	TLL2	U2AF2	XRCC2	
SGPP2	SOX2	TACC2	TLR4	UBE2B	XRCC3	
SH2B3	SOX9	TACC3	TLX1	UBE2C	XRCC4	
SH2D5	SP1	TAF1	TLX3	UFC1	XRCC5	
SH3BP1	SP3	TAF15	TMEM127	UFM1	XRCC6	
SH3D19	SPECC1	TAF1L	TMEM230	USP16	YAP1	
SH3GL1	SPEN	TAL1	TMEM30A	USP42	YES1	
SH3GL2	SPIB	TAL2	TMPRSS2	USP5	YPEL5	
SHC1	SPOP	TAOK1	TNC	USP6	YTHDF2	
SHC2	SPP1	TBL1XR1	TNF	USP7	YWHAE	
SHQ1	SPRED1	TBX15	TNFAIP3	VAV1	YY1AP1	
SIK3	SPRY2	TBX3	TNFRSF10B	VCAM1	ZBTB16	
SIN3A	SPRY4	TCEA1	TNFRSF10D	VEGFA	ZBTB2	
SIRT1	SPTA1	TCEB1	TNFRSF11A	VEGFC	ZC3H7A	
SKP2	SPTAN1	TCF12	TNFRSF14	VGLL3	ZC3H7B	
SLC1A2	SPTBN1	TCF3	TNFRSF17	VHL	ZFHX3	
SLC34A2	SQSTM1	TCF7L2	TNFRSF6B	VTI1A	ZFP64	
SLC45A3	SRC	TCL1A	TOP1	WASF2	ZFPM2	
SLC7A5	SRF	TCL6	TOP2A	WDFY3	ZFYVE19	
SLCO1B3	SRGAP3	TCTA	TOP2B	WDR1	ZIC2	