

Genes: A2M - ASCL1

A2M	ADAMTS17	ALDH5A1	ANTXR1
A2ML1	ADAMTS2	ALDH6A1	ANXA1
AAAS	ADAR	ALDH7A1	AP1B1
AARS1	ADARB1	ALDOA	AP1G1
AARS2	ADAT3	ALDOB	AP1S1
AASS	ADCY1	ALG1	AP1S2
ABAT	ADCY3	ALG11	AP2M1
ABCA1	ADCY5	ALG12	AP2S1
ABCA12	ADD3	ALG13	AP3B1
ABCA2	ADGRG1	ALG14	AP3B2
ABCB6	ADGRV1	ALG2	AP3D1
ABCB7	ADK	ALG3	AP4B1
ABCC8	ADNP	ALG6	AP4E1
ABCC9	ADPRS	ALG8	AP4M1
ABCD1	ADRA2B	ALG9	AP4S1
ABCD3	ADSL	ALK	APBB1
ABCD4	AFF2	ALKBH8	APC2
ABHD12	AFF3	ALMS1	APH1A
ABHD16A	AFF4	ALOX12B	APOC3
ABHD5	AFG3L2	ALOXE3	APP
ABI2	AGA	ALPL	APTX
ACADM	AGAP2	ALS2	AQP2
ACADS	AGK	ALX1	ARCN1
ACADSB	AGMO	ALX3	ARFGEF2
ACAT1	AGO1	ALX4	ARG1
ACBD6	AGO2	AMACR	ARHGAP31
ACD	AGO4	AMER1	ARHGAP44
ACHE	AGPAT2	AMMECR1	ARHGEF15
ACO2	AGRN	AMPD1	ARHGEF4
ACOX1	AGTR2	AMPD2	ARHGEF6
ACP5	AHCY	AMT	ARHGEF9
ACSF3	AHDC1	AMZ2	ARID1A
ACSL4	AHI1	ANAPC5	ARID1B
ACTA1	AHNAK	ANG	ARID2
ACTB	AIFM1	ANK1	ARL13B
ACTG1	AIMP1	ANK2	ARL6
ACTL6A	AIMP2	ANK3	ARMC5
ACTL6B	AKAP9	ANKH	ARMC9
ACTN1	AKT1	ANKLE2	ARNT2
ACVR1	AKT2	ANKRD11	ARSA
ACY1	AKT3	ANKRD17	ARSL
ADA	ALAD	ANKRD26	ARV1
ADA2	ALDH18A1	ANKS1B	ARX
ADAM17	ALDH1A3	ANO10	ASAH1
ADAM22	ALDH3A2	ANO3	ASAP2
ADAMTS10	ALDH4A1	ANOS1	ASCL1

Genes: ASH1L - CDK8

ASH1L	B3GLCT	BRPF1	CAPS
ASL	B4GALNT1	BRSK2	CARD14
ASNS	B4GALT1	BRWD3	CARS1
ASPA	B4GALT7	BSCL2	CARS2
ASPH	B4GAT1	BSN	CASK
ASPM	B9D1	BSND	CASR
ASS1	B9D2	BTAF1	CASZ1
ASTN2	BAG3	BTBD2	CAV1
ASXL1	BAZ2B	BTD	CBL
ASXL2	BBIP1	BTK	CBS
ASXL3	BBS1	BTN2A2	CC2D1A
ATAD1	BBS10	BTRC	CC2D2A
ATCAY	BBS12	BUB1B	CCAR2
ATIC	BBS2	C12orf4	CCBE1
ATL1	BBS4	C12orf57	CCDC115
ATM	BBS5	MTRFR	CCDC22
ATN1	BBS7	C19orf12	CCDC32
ATP10A	BBS9	C2CD3	CCDC47
ATP13A2	BCAP31	C2orf69	CCDC88A
ATP1A1	BCAS3	C3	CCDC88C
ATP1A2	BCKDHA	CFAP418	CCL14
ATP1A3	BCKDHB	CA2	CCM2
ATP2A2	BCKDK	CA8	CCND2
ATP2B2	BCL11A	CABP2	CCNG1
ATP2B3	BCL11B	CACNA1A	CCNK
ATP2B4	BCOR	CACNA1B	CCT4
ATP2C2	BCORL1	CACNA1C	CCT5
ATP5F1A	BCS1L	CACNA1D	CD81
ATP5F1E	BDH1	CACNA1E	CD96
ATP6AP1	BDNF	CACNA1G	CDC42
ATP6AP2	BICRA	CACNA1H	CDC42BPB
ATP6V0A2	BIN1	CACNA1I	CDC6
ATP6V1A	BLM	CACNA2D1	CDCA7
ATP6V1B2	BLNK	CACNA2D2	CDH11
ATP7A	BMP1	CACNA2D3	CDH13
ATP8A2	BMP4	CACNB2	CDH15
ATPAF2	BMPER	CACNB4	CDH2
ATR	BOD1	CACNG2	CDK10
ATRN	BOLA3	CAD	CDK13
ATRX	BPNT2	CAMK2A	CDK16
AUH	BPTF	CAMK2B	CDK19
AUTS2	BRAF	CAMK2G	CDK5
AVPR1A	BRAT1	CAMTA1	CDK5R1
AVPR2	BRF1	CANT1	CDK5RAP2
B3GALNT2	BRF2	CAPN10	CDK6
B3GALT6	BRIP1	CAPRIN1	CDK8

Genes: CDKL5 - DAG1

CDKL5	CHSY1	COA6	CR2
CDKN1C	CIB2	COA7	CRADD
CDON	CIBAR2	COA8	CRB2
CDT1	CIC	COASY	CRBN
CELF4	CILK1	COG1	CREB3L1
CELF6	CIT	COG4	CREBBP
CENPE	CKAP2L	COG5	CRIP1
CENPJ	CLASP1	COG6	CRLF1
CEP104	CLASP2	COG7	CRPPA
CEP120	CLCF1	COG8	CRTAP
CEP135	CLCN1	COL11A1	CSDE1
CEP152	CLCN2	COL11A2	CSF1R
CEP164	CLCN3	COL18A1	CSMD1
CEP19	CLCN4	COL1A1	CSNK2A1
CEP290	CLCN6	COL1A2	CSNK2B
CEP41	CLDN16	COL25A1	CSPP1
CEP57	CLIC5	COL27A1	CSTB
CEP63	CLIP1	COL4A1	CTBP1
CEP76	CLN3	COL4A2	CTC1
CEP83	CLN5	COL7A1	CTCF
CEP85L	CLN6	COLEC11	CTDP1
CERS1	CLN8	COLGALT1	CTDSPL2
CERS3	CLP1	COMT	CTNNA2
CERT1	CLPB	COQ2	CTNNB1
CGNL1	CLPP	COQ4	CTNND2
CHAMP1	CLPTM1	COQ5	CTSA
CHAT	CLTC	COQ8A	CTSD
CHCHD10	CMIP	COQ9	CTSF
CHD1	CNKSR2	CORO1A	CTTNBP2
CHD1L	CNNM2	COX10	CTU2
CHD2	CNOT1	COX14	CUL3
CHD3	CNOT2	COX15	CUL4B
CHD4	CNOT3	COX20	CUL7
CHD7	CNPY3	COX4I2	CUX1
CHD8	CNR1	COX6B1	CUX2
CHKB	CNTN2	COX7B	CWC27
CHL1	CNTN3	CP	CWF19L1
CHMP1A	CNTN4	CPA6	CY5R3
CHMP2B	CNTN5	CPE	CYC1
CHP1	CNTN6	CPEB4	CYFIP1
CHRNA2	CNTNAP1	CPLANE1	CYFIP2
CHRNA4	CNTNAP2	CPLX1	CYP24A1
CHRN2	CNTNAP4	CPS1	CYP27A1
CHRND	CNTNAP5	CPT1A	CYP27B1
CHRNA4	COA3	CPT1B	D2HGDH
CHST14	COA5	CPT2	DAG1

Genes: DAPP1 - ERI1

DAPP1	DISP1	DPP6	EIF2AK3
DARS1	DISP3	DPYD	EIF2B1
DARS2	DKC1	DPYS	EIF2B2
DBH	DLAT	DPYSL2	EIF2B3
DBT	DLD	DRP2	EIF2B4
DCAF17	DLG1	DSCAM	EIF2B5
DCC	DLG2	DSE	EIF2S3
DCDC2	DLG3	DSG4	EIF3F
DCHS1	DLG4	DTNBP1	EIF3G
DCPS	DLGAP1	DUOX2	EIF4A2
DCTN1	DLGAP2	DUOXA2	EIF5A
DCX	DLL1	DUSP6	ELAC2
DDB1	DLL4	DVL1	ELAVL3
DDC	DLX3	DYM	ELMO2
DDHD2	DLX5	DYNC1H1	ELN
DDOST	DMD	DYNC1I2	ELOVL4
DDR2	DMXL2	DYNC2H1	ELP1
DDX10	DNA2	DYNC2I1	ELP2
DDX11	DNAH1	DYNC2I2	ELP4
DDX3X	DNAH10	DYRK1A	EMC1
DDX53	DNAH5	EARS2	EMG1
DDX59	DNAH7	EBAG9	EML1
DDX6	DNAJC12	EBF3	EMSY
DEAF1	DNAJC19	EBP	EMX2
DEFB128	DNAJC5	ECHS1	ENC1
DEGS1	DNAJC6	ECM1	ENO2
DENND5A	DNAJC8	EDA	ENPP1
DEPDC5	DNM1	EDC3	ENTPD1
DGAT2L6	DNM1L	EDN1	EOGT
DGUOK	DNM2	EDN3	EP300
DHCR24	DNMT1	EDNRB	EP400
DHCR7	DNMT3A	EED	EPB41L1
DHDDS	DNMT3B	EEF1A2	EPG5
DHFR	DOCK3	EEF1D	EPHA2
DHPS	DOCK6	EFHC1	EPM2A
DHTKD1	DOCK7	EFNB1	EPRS1
DHX16	DOCK8	EFNB2	ERBIN
DHX30	DOLK	EFR3A	ERCC1
DHX37	DONSON	EFTUD2	ERCC2
DIAPH1	DPAGT1	EGF	ERCC3
DICER1	DPF2	EGR2	ERCC4
DIP2A	DPH1	EGR3	ERCC5
DIP2B	DPM1	EHHADH	ERCC6
DIP2C	DPM2	EHMT1	ERCC8
DIS3L2	DPM3	EIF2AK1	ERF
DISC1	DPP10	EIF2AK2	ERI1

Genes: ERLIN2 - GNAI1

ERLIN2	FBN1	FOXP1	GATA2
ERMARD	FBP1	FOXP2	GATA3
ESCO2	FBXL3	FOXRED1	GATA6
ESPN	FBXL4	FRAS1	GATAD2B
ETFA	FBXO11	FREM2	GATM
ETFB	FBXO28	FRG1	GBA
ETFDH	FBXO31	FRMD4A	GBA2
ETHE1	FBXW11	FRMD7	GBE1
EVC	FBXW4	FRMPD4	GCC2
EVC2	FCSK	FRRS1L	GCDH
EXOC2	FDFT1	FTCD	GCH1
EXOC6B	FDXR	FTL	GCK
EXOC7	FEZF1	FTO	GCSH
EXOSC2	FEZF2	FTSJ1	GDF3
EXOSC3	FGD1	FUBP3	GDF5
EXOSC8	FGF12	FUCA1	GDI1
EXT2	FGF13	FUS	GEMIN4
EXTL3	FGF14	FUT8	GFAP
EYA1	FGF17	FXD2	GFER
EZH2	FGF3	G6PC3	GFM1
EZR	FGF8	GAA	GFM2
FA2H	FGFR1	GABBR2	GGNBP2
FAAH2	FGFR2	GABRA1	GIGYF1
FAM111A	FGFR3	GABRA2	GIGYF2
FAM111B	FH	GABRA3	GJA1
FAM126A	FIBP	GABRA5	GJB1
FAM234B	FIG4	GABRA6	GJC2
FAM50A	FKBP10	GABRB1	GK
FANCA	FKRP	GABRB2	GLA
FANCB	FKTN	GABRB3	GLB1
FANCC	FLCN	GABRD	GLDC
FANCD2	FLI1	GABRG2	GLI2
FANCE	FLNA	GABRG3	GLI3
FANCF	FLNB	GAD1	GLRA1
FANCG	FLRT3	GALC	GLRA2
FANCI	FLVCR1	GALE	GLRB
FANCL	FLVCR2	GALNT10	GLS
FAR1	FMN1	GALNT2	GLUD1
FARS2	FMN2	GALNT8	GLUL
FARSB	FMR1	GALNTL5	GLYCTK
FASN	FN1	GALT	GM2A
FASTKD2	FNDC3A	GAMT	GMNN
FAT1	FOLR1	GAN	GMPPA
FAT4	FOXG1	GARS1	GMPPB
FBLN1	FOXH1	GAS1	GNA11
FBLN5	FOXI1	GATA1	GNAI1

Genes: GNAI3 - ITGB3

GNAI3	GRM7	HESX1	IBA57
GNAL	GRN	HEXA	ICA1
GNAO1	GRXCR2	HEXB	ICE2
GNAQ	GSDME	HFM1	ICOS
GNAS	GSPT2	HGSNAT	IDH2
GNB1	GSS	HHAT	IDS
GNB2	GSX2	HIBCH	IDUA
GNB5	GTF2E2	HIVEP2	IER3IP1
GNE	GTF2H5	HIVEP3	IFIH1
GNPAT	GTF2IRD1	HK1	IFNAR2
GNPTAB	GTF3C3	HLCS	IFT140
GNPTG	GTPBP2	HMG20A	IFT172
GNRH1	GTPBP3	HMGB1	IFT27
GNRHR	GUF1	HMGB3	IFT80
GNS	GUSB	HMGCL	IGBP1
GOLGA2	H1-4	HMGCS2	IGF1
GOLGA4	H2BW1	HMGN1	IGF1R
GORAB	H3-3A	HNF1B	IGF2
GOSR2	H3-3B	HNMT	IKBKG
GOT2	HACE1	HNRNPA1	IL12B
GP1BB	HACL1	HNRNPA2B1	IL17RD
GPAA1	HADH	HNRNPD	IL1RAPL1
GPC3	HADHA	HNRNPH2	IMMP2L
GPC4	HADHB	HNRNPK	IMPA1
GPD2	HAL	HNRNPR	INO80
GPHN	HAP1	HNRNPU	INPP5E
GPI	HARS2	HNRNPUL2	INPP5K
GPKOW	HAX1	HOMER2	INPPL1
GPR101	HBA1	HOXA1	INS
GPSM2	HCCS	HOXA2	INSR
GPT2	HCFC1	HPCA	INTS1
GRAMD1B	HCN1	HPD	INTS2
GRIA1	HCN2	HPDL	INTS6
GRIA2	HCN4	HPRT1	INTS7
GRIA3	HCRT	HPS3	IQGAP3
GRIA4	HDAC4	HRAS	IQSEC1
GRID1	HDAC6	HS2ST1	IQSEC2
GRID2	HDAC8	HS6ST1	IREB2
GRIK2	HDC	HSD17B10	IRF2BPL
GRIK5	HDLBP	HSD17B4	IRX5
GRIN1	HECTD4	HSPD1	ISCA2
GRIN2A	HECW2	HSPG2	ITCH
GRIN2B	HELLS	HTRA1	ITGA3
GRIN2D	HEPACAM	HTRA2	ITGA7
GRIP1	HERC1	HUWE1	ITGA9
GRM1	HERC2	IARS1	ITGB3

Genes: ITK - MAPRE2

ITK	KCNT2	KRAS	LONP1
ITPA	KCTD13	KRIT1	LPIN1
ITPR1	KCTD18	KRT25	LRCH3
ITSN1	KCTD3	KRT81	LRMDA
IVD	KCTD7	KRT83	LRP1
IYD	KDM1A	KRT86	LRP2
JAG1	KDM2B	KY	LRP4
JAM3	KDM3B	KYNU	LRP5
JARID2	KDM4B	L1CAM	LRPPRC
JMJD1C	KDM4C	L2HGDH	LRRC4C
JMJD7	KDM5A	LAMA1	LRRIQ3
KANK1	KDM5B	LAMA2	LRRTM4
KANSL1	KDM5C	LAMB1	LSS
KARS1	KDM6A	LAMC1	LTBP2
KAT2B	KDM6B	LAMC3	LTBP4
KAT5	KIAA0232	LAMP2	LYRM4
KAT6A	KIAA0586	LARGE1	LYRM7
KAT6B	KIAA1109	LARP7	LYST
KAT8	KIAA1586	LARS1	LZTFL1
KATNAL2	KIDINS220	LARS2	LZTR1
KATNB1	KIF11	LAS1L	MAB21L1
KCNA1	KIF14	LBR	MAB21L2
KCNA2	KIF1A	LDB1	MACF1
KCNB1	KIF21A	LEMD3	MACROD2
KCNC1	KIF2A	LENG8	MADD
KCNC3	KIF4A	LEO1	MAF
KCND2	KIF5A	LEPR	MAGEL2
KCND3	KIF5C	LGI1	MAGI2
KCNE5	KIF7	LGI3	MAGT1
KCNH1	KIFBP	LGI4	MAN1A1
KCNH2	KIRREL3	LHX3	MAN1B1
KCNJ1	KISS1	LHX4	MAN2B1
KCNJ10	KISS1R	LIAS	MANBA
KCNJ11	KLF7	LIFR	MAOA
KCNJ2	KLF8	LIG4	MAP1A
KCNJ6	KLHL15	LIN7B	MAP1B
KCNJ8	KLHL7	LINGO1	MAP2K1
KCNK4	KMT2A	LINS1	MAP2K2
KCNK9	KMT2B	LIPT1	MAP3K1
KCNMA1	KMT2C	LIPT2	MAP3K15
KCNN3	KMT2D	LMAN2L	MAP3K7
KCNQ2	KMT2E	LMBRD1	MAPK1
KCNQ3	KMT5B	LMNB1	MAPK10
KCNQ5	KNL1	LMNB2	MAPK8
KCNS3	KPNA7	LMX1B	MAPK8IP3
KCNT1	KPTN	LNPK	MAPRE2

Genes: MAPT - NFKB2

MAPT	MIDN	MTRR	NDST1
MARS2	MIPEP	MUC1	NDUFA1
MASP1	MITF	MVK	NDUFA10
MAST1	MKKS	MXRA8	NDUFA11
MAT1A	MKLN1	MYBL2	NDUFA12
MATR3	MKS1	MYCN	NDUFA2
MBD5	MKX	MYH10	NDUFA4
MBD6	MLC1	MYH14	NDUFA9
MBNL3	MLYCD	MYH3	NDUFAF1
MBOAT7	MMAA	MYH9	NDUFAF2
MBTPS2	MMAB	MYO18B	NDUFAF3
MC2R	MMACHC	MYO5A	NDUFAF4
MCCC1	MMADHC	MYO7A	NDUFAF5
MCCC2	MMP19	MYO9B	NDUFAF6
MCM3AP	MMUT	MYOT	NDUFAF8
MCOLN1	MN1	MYT1L	NDUFB11
MCPH1	MNX1	N4BP2L1	NDUFB3
MDH2	MOCS1	NAA10	NDUFB8
MECP2	MOCS2	NAA15	NDUFB9
MED12	MOGS	NACC1	NDUFS1
MED12L	MORC2	NADK2	NDUFS2
MED13	MPC1	NAGA	NDUFS3
MED13L	MPDU1	NAGLU	NDUFS4
MED17	MPDZ	NAGPA	NDUFS6
MED23	MPL	NAGS	NDUFS7
MED25	MPLKIP	NALCN	NDUFS8
MED27	MPV17	NANS	NDUFV1
MEF2C	MRAP	NAPB	NDUFV2
MEGF10	MRE11	NARS1	NEB
MEGF8	MRPL10	NARS2	NECAP1
MEIS2	MRPL3	NAT8L	NEDD4L
MET	MRPS22	NAV2	NEFH
METTL23	MRPS34	NAXD	NEFL
METTL5	MS4A1	NAXE	NEMF
MFF	MSL3	NBEA	NEU1
MFN2	MSMO1	NBN	NEUROD2
MFRP	MSX2	NCAPD2	NEXMIF
MFSD2A	MTFMT	NCAPG2	NF1
MFSD8	MTHFR	NCDN	NFASC
MGAT2	MTHFS	NCKAP1	NFE2L3
MGME1	MTM1	NCKAP1L	NFIA
MGP	MTMR2	NCOA1	NFIB
MIB1	MTO1	NCOR1	NFIL3
MICU1	MTOR	NDE1	NFIX
MID1	MTPAP	NDN	NFKB1
MID2	MTR	NDP	NFKB2

Genes: NFU1 - PI4KA

NFU1	NRXN2	OXR1	PDP1
NGF	NRXN3	OXTR	PDSS1
NGLY1	NSD1	P2RX2	PDSS2
NHLRC1	NSD2	P2RX5	PDX1
NHP2	NSDHL	P3H1	PEPD
NHS	NSMF	P4HA2	PER2
NIN	NSUN2	P4HTM	PET100
NINL	NT5C2	PACS1	PEX1
NIPA1	NTNG1	PACS2	PEX10
NIPAL4	NTNG2	PAFAH1B1	PEX11B
NIPBL	NTRK1	PAH	PEX12
NKAP	NTRK2	PAK1	PEX13
NKX2-1	NUAK1	PAK2	PEX14
NKX2-5	NUBPL	PAK3	PEX16
NKX6-2	NUDCD2	PALB2	PEX19
NLGN1	NUP107	PAM16	PEX2
NLGN2	NUP155	PANK2	PEX26
NLGN3	NUP188	PANX1	PEX3
NLGN4X	NUP62	PARD3B	PEX5
NLRP1	NUS1	PARD6A	PEX6
NLRP3	NXF5	PARN	PEX7
NME8	NYX	PARS2	PFN1
NNT	OBSL1	PAX1	PGAP1
NODAL	OCA2	PAX2	PGAP2
NOG	OCLN	PAX3	PGAP3
NONO	OCRL	PAX5	PGBD5
NOP10	ODC1	PAX6	PGK1
NOTCH1	OFD1	PAX8	PGM2L1
NOTCH2	OGDHL	PBX1	PGM3
NOTCH3	OGT	PC	PHACTR1
NOVA2	OPA3	PCCA	PHB1
NPC1	OPHN1	PCCB	PHC1
NPC2	OPTN	PCDH12	PHF12
NPHP1	OR52M1	PCDH19	PHF2
NPHP3	ORC1	PCGF2	PHF21A
NPRL2	ORC4	PCK1	PHF3
NPRL3	ORC6	PCLO	PHF6
NR0B1	OSBPL2	PCNA	PHF7
NR0B2	OSGEP	PCNT	PHF8
NR2F1	OTC	PCYT2	PHGDH
NR3C2	OTOGL	PDE4D	PHIP
NR4A2	OTUD4	PDE6D	PHKA2
NR5A1	OTUD5	PDGFRB	PHOX2A
NRAS	OTUD6B	PDHA1	PHRF1
NRROS	OTUD7A	PDHB	PHYH
NRXN1	OTX2	PDHX	PI4KA

Genes: PIBF1 - RANBP17

PIBF1	PMM2	PPP2R1A	PTF1A
PIDD1	PMPCA	PPP2R5D	PTH2R
PIEZO2	PMPCB	PPP3CA	PTK7
PIGA	PNKP	PPP5C	PTPN11
PIGB	PNP	PPRC1	PTPN23
PIGC	PNPLA1	PPT1	PTPN4
PIGG	PNPLA6	PQBP1	PTPRF
PIGH	PNPLA8	PREPL	PTPRQ
PIGK	PNPO	PREX1	PTRH2
PIGL	PNPT1	PRF1	PTRHD1
PIGM	POC1A	PRICKLE1	PTS
PIGN	POGZ	PRICKLE2	PUF60
PIGO	POLA1	PRIMA1	PUM1
PIGP	POLG	PRKACA	PURA
PIGQ	POLG2	PRKACB	PUS1
PIGS	POLR1C	PRKAR1A	PUS3
PIGT	POLR1D	PRKCB	PUS7
PIGU	POLR2A	PRKCD	PYCR1
PIGV	POLR3A	PRKD1	PYCR2
PIGW	POLR3B	PRKD2	PYHIN1
PIGY	POMGNT1	PRKG1	QARS1
PIK3AP1	POMGNT2	PRKN	QDPR
PIK3C2A	POMK	PRKRA	QRICH1
PIK3CA	POMT1	PRMT7	RAB11A
PIK3R1	POMT2	PROC	RAB11B
PIK3R2	PON1	PRODH2	RAB11FIP4
PIK3R5	PON2	PROK2	RAB11FIP5
PISD	POP1	PROKR2	RAB18
PITRM1	PORCN	PROP1	RAB23
PLA2G4B	POU1F1	PRPS1	RAB27A
PLA2G6	POU3F2	PRR12	RAB2A
PLAA	POU3F3	PRRG4	RAB39B
PLAC4	POU3F4	PRRT2	RAB3GAP1
PLCB1	PPA2	PRSS12	RAB3GAP2
PLCB4	PPARG	PRUNE1	RAC1
PLEC	PPFIA1	PSAP	RAC3
PLEKHG2	PPIB	PSAT1	RAD21
PLEKHG6	PPIL1	PSEN1	RAD50
PLG	PPM1D	PSEN2	RAD51
PLK4	PPM1K	PSMB8	RAD51C
PLOD3	PPP1CB	PSMD12	RAF1
PLP1	PPP1R12A	PSPH	RAI1
PLPBP	PPP1R15B	PTCH1	RALA
PLXNA1	PPP1R21	PTCHD1	RALGAPA1
PLXNA4	PPP1R9B	PTDSS1	RALGAPB
PLXNB1	PPP2CA	PTEN	RANBP17

Genes: RARB - SLC25A22

RARB	ROGDI	SC5D	SGSH
RARS1	ROR2	SCAF4	SH2B1
RARS2	RORA	SCARB2	SH3D19
RASA2	RORB	SCN10A	SH3TC2
RBBP8	RPGRIP1L	SCN11A	SHANK1
RBFOX1	RPIA	SCN1A	SHANK2
RBFOX3	RPL10	SCN1B	SHANK3
RBM10	RPL11	SCN2A	SHH
RBM27	RPL15	SCN3A	SHMT2
RBM28	RPL26	SCN5A	SHOC2
RBM8A	RPL35A	SCN8A	SHOX
RBPJ	RPL5	SCN9A	SHOX2
RDH11	RPS10	SCO1	SHROOM4
RECQL4	RPS19	SCO2	SIAH1
REEP1	RPS23	SCP2	SIGMAR1
RELN	RPS24	SCYL1	SIL1
RERE	RPS26	SDCCAG8	SIM1
RETREG1	RPS28	SDHA	SIN3A
RFT1	RPS29	SDHAF1	SIN3B
RFX3	RPS6KA3	SDK2	SIX1
RFX4	RPS7	SEC23A	SIX3
RFX7	RRM2B	SEC23IP	SIX6
RHEB	RSPRY1	SEC24D	SKI
RHOBTB2	RSRC1	SEC31A	SLC12A1
RIC1	RTKL1	SELENON	SLC12A2
RIMS1	RTN4IP1	SEMA3A	SLC12A3
RIMS2	RTTN	SEMA3E	SLC12A5
RIPK4	RUBCN	SEMA5A	SLC12A6
RIPOR2	RUNX1	SEMA6B	SLC13A5
RIT1	RUNX1T1	SEMA6D	SLC16A1
RLIM	RUSC2	SEPSECS	SLC16A2
RMND1	RXR8	SERAC1	SLC17A5
RMRP	RXYLT1	SERPINA7	SLC17A9
RNASEH2A	RYR2	SERPINF1	SLC18A2
RNASEH2B	SACS	SERPINH1	SLC19A2
RNASEH2C	SAE1	SERPINI1	SLC19A3
RNASET2	SALL1	SET	SLC1A1
RNF113A	SALL4	SETBP1	SLC1A2
RNF125	SAMD9	SETD1A	SLC1A3
RNF13	SAMHD1	SETD1B	SLC1A4
RNF135	SAR1B	SETD2	SLC25A1
RNF168	SASS6	SETD5	SLC25A12
RNF213	SATB1	SETX	SLC25A15
RNF216	SATB2	SF3B4	SLC25A19
RNU4ATAC	SBDS	SFXN4	SLC25A20
ROBO2	SBF1	SGCE	SLC25A22

Genes: SLC25A3 - TANGO2

SLC25A3	SLC9A9	SOX6	STIM1
SLC25A4	SLITRK1	SOX9	STRA6
SLC25A42	SLITRK5	SP7	STRADA
SLC25A5	SLITRK6	SPARC	STS
SLC26A4	SLX4	SPARCL1	STT3A
SLC26A8	SMAD4	SPART	STT3B
SLC29A3	SMAD6	SPAST	STX11
SLC2A1	SMARCA2	SPATA5	STX1A
SLC2A10	SMARCA4	SPATA5L1	STX1B
SLC2A2	SMARCB1	SPECC1L	STX3
SLC33A1	SMARCC2	SPEG	STXBP1
SLC35A1	SMARCD1	SPEN	STXBP2
SLC35A2	SMARCD2	SPG11	STXBP5
SLC35A3	SMARCE1	SPG21	STXBP5L
SLC35B1	SMC1A	SPG7	STYXL1
SLC35C1	SMC3	SPINK5	SUCLA2
SLC36A2	SMCHD1	SPOP	SUCLG1
SLC38A10	SMG8	SPOUT1	SUFU
SLC39A13	SMG9	SPR	SUMF1
SLC39A14	SMO	SPRED1	SUOX
SLC39A5	SMOC1	SPRY1	SUPT16H
SLC39A8	SMPD1	SPRY2	SURF1
SLC3A1	SMS	SPRY4	SUZ12
SLC44A1	SMURF2	SPTAN1	SV2C
SLC45A1	SNAI2	SPTBN2	SVBP
SLC46A1	SNAP25	SPTBN4	SYN1
SLC4A4	SNAP29	SQSTM1	SYNCRIP
SLC52A2	SNIP1	SRCAP	SYNE1
SLC52A3	SNRPA	SRD5A3	SYNE4
SLC5A5	SNRPB	SRP54	SYNGAP1
SLC5A6	SNRPN	SRPRA	SYNJ1
SLC5A7	SNX14	SRPX2	SYNRG
SLC6A1	SNX27	SRSF11	SYP
SLC6A17	SNX5	SSR4	SYT1
SLC6A19	SOBP	ST3GAL3	SYT14
SLC6A20	SON	ST3GAL5	SYT2
SLC6A3	SORCS3	ST7	SZT2
SLC6A8	SOS1	ST8SIA2	TAC3
SLC6A9	SOS2	STAC3	TACO1
SLC7A3	SOST	STAG1	TACR3
SLC7A5	SOX10	STAG2	TAF1
SLC7A7	SOX11	STAMBP	TAF13
SLC9A1	SOX2	STARD7	TAF2
SLC9A3R1	SOX3	STARD9	TAF6
SLC9A6	SOX4	STEEP1	TANC2
SLC9A7	SOX5	STIL	TANGO2

Genes: TAOK1 - TYROBP

TAOK1	TET2	TMEM67	TRPC6
TAOK2	TET3	TMEM70	TRPM1
TARDBP	TFAP2A	TMEM94	TRPM3
TARS2	TFAP2B	TMLHE	TRPM6
TASP1	TFG	TMTC3	TRPS1
TAT	TG	TMX2	TRPV4
TBC1D20	TGDS	TNC	TRRAP
TBC1D23	TGFB1	TNFRSF11A	TSC1
TBC1D24	TGFB2	TNFRSF13C	TSC2
TBC1D2B	TGFBR1	TNFRSF1A	TSEN15
TBC1D31	TGFBR2	TNIK	TSEN2
TBC1D7	TGIF1	TNPO2	TSEN34
TBCD	TGM1	TNPO3	TSEN54
TBCE	TGM5	TNR	TSFM
TBCEL	TH	TNRC6B	TSHB
TBCK	THG1L	TOE1	TSHR
TBK1	THOC2	TOR1A	TSHZ3
TBL1XR1	THOC6	TOR1AIP1	TSPAN18
TBR1	THPO	TP63	TSPAN7
TBX1	THRA	TPI1	TSPEAR
TBX18	THRB	TPK1	TTC19
TBX19	TIMM50	TPP1	TTC21B
TBX4	TIMM8A	TRAF3IP1	TTC5
TBX6	TINF2	TRAF7	TTC8
TBXA2R	TK2	TRAIP	TTI2
TBXAS1	TKT	TRAK1	TTN
TCF12	TLE3	TRAPPC11	TTPA
TCF20	TLK2	TRAPPC12	TUBA1A
TCF3	TLR3	TRAPPC2L	TUBA8
TCF4	TM4SF20	TRAPPC4	TUBB
TCF7L2	TM9SF4	TRAPPC6A	TUBB1
TCN2	TMC4	TRAPPC6B	TUBB2A
TCOF1	TMCO1	TRAPPC9	TUBB2B
TCTN1	TMEM106B	TREM2	TUBB3
TCTN2	TMEM107	TREX1	TUBB4A
TCTN3	TMEM114	TRH	TUBG1
TDGF1	TMEM132D	TRHR	TUBGCP2
TDP2	TMEM138	TRIM23	TUBGCP4
TECPR2	TMEM147	TRIM32	TUBGCP6
TECR	TMEM165	TRIM8	TUSC3
TEK	TMEM175	TRIO	TWIST1
TELO2	TMEM216	TRIP12	TWIST2
TENM3	TMEM231	TRIT1	TWNK
TERF2	TMEM237	TRMT1	TYK2
TERT	TMEM240	TRMT10A	TYMP
TET1	TMEM38B	TRNT1	TYROBP

Genes: UBA5 - ZSWIM6

UBA5	VAX1	WRN	ZNF423
UBASH3A	VCP	WWOX	ZNF462
UBB	VDR	XPA	ZNF526
UBE2A	VEZF1	XPC	ZNF589
UBE2H	VILL	XPNPEP3	ZNF592
UBE2T	VIPAS39	XPO5	ZNF674
UBE3A	VLDLR	XRCC4	ZNF711
UBE3B	VPS11	XYLT1	ZNF804A
UBE3C	VPS13A	XYLT2	ZNF81
UBN2	VPS13B	YAP1	ZNHIT3
UBQLN2	VPS13C	YARS1	ZSWIM6
UBR1	VPS33B	YARS2	
UBR3	VPS35	YIF1B	
UBR5	VPS37A	YWHAE	
UBR7	VPS45	YWHAG	
UBTF	VPS4A	YY1	
UFC1	VPS51	ZBTB11	
UFM1	VPS53	ZBTB16	
UGDH	VRK1	ZBTB18	
UGP2	VSIG4	ZBTB20	
ULK1	VWA3B	ZBTB24	
ULK4	WAC	ZBTB40	
UMPS	WARS2	ZBTB45	
UNC13A	WASF1	ZC3H14	
UNC13D	WASHC4	ZC3H4	
UNC79	WASHC5	ZC4H2	
UNC80	WDFY3	ZDHHC15	
UPB1	WDFY4	ZDHHC9	
UPF3B	WDR11	ZEB1	
UQCC2	WDR19	ZEB2	
UQCC3	WDR26	ZFHX4	
UQCRB	WDR35	ZFPM2	
UQCRC2	WDR37	ZFYVE26	
UQCRQ	WDR4	ZIC1	
UROC1	WDR45	ZIC2	
UROS	WDR45B	ZMIZ1	
USB1	WDR62	ZMYM2	
USP15	WDR73	ZMYM3	
USP27X	WDR81	ZMYND11	
USP45	WFS1	ZMYND8	
USP7	WNK1	ZNF142	
USP8	WNT1	ZNF148	
USP9X	WNT10B	ZNF292	
VAMP2	WNT5A	ZNF335	
VAPB	WNT7A	ZNF407	
VARS1	WRAP53	ZNF41	