

Genes Hypermethylated in MCF10CA1h in response to RSV	Genes Hypermethylated in MCF10CA1a in response to RSV	Common Hypermethylated Genes in MCF10CA1h and MCF10CA1a
42074		1-Mar A2BP1;A2BP1
A1CF;A1CF;A1CF		11-Mar A2BP1;A2BP1;A2BP1
A2BP1;A2BP1		3-Mar ABCB1
A2BP1;A2BP1;A2BP1		4-Mar ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2
A2BP1;A2BP1;A2BP1;A2BP1;A2BP1;A2BP1	A2BP1;A2BP1	ABR;ABR
A2M	A2BP1;A2BP1;A2BP1	ACAN;ACAN
A4GNT	A2LD1	ACCN1
ABCA3	A2ML1	ACE;ACE
ABCB1	A4GNT;A4GNT	ACOT11;FAM151A
ABCB4;ABCB4;ABCB4	AADAC	ACTL8
ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2	AASS	ADAMTS16
ABP1	ABCA1	ADARB2
ABR;ABR	ABCA6	ADPRHL1;ADPRHL1
ACAN;ACAN	ABCB1	AFF3;AFF3
ACBD6	ABLIM1;ABLIM1;ABLIM1	AGBL4
ACCN1	ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2	AGTR1;AGTR1;AGTR1;AGTR1
ACCSL	ABR;ABR	ALX4
ACE;ACE	ACADS	AMPH;AMPH
ACOT11;FAM151A	ACAN;ACAN	ANK1;ANK1;ANK1;ANK1;ANK1
ACRC;BCYRN1	ACCN1	APOL4;APOL4;APOL4;APOL4
ACTC1	ACCN4;ACCN4;ACCN4;ACCN4	ARHGAP6;ARHGAP6
ACTL8	ACE;ACE	ARHGAP6;ARHGAP6;ARHGAP6
ACTL9	ACOT11;FAM151A	ARHGEF16
ACTN2	ACOX3;ACOX3	ARHGEF3
ACVR1;ACVR1	ACP5;ACP5;ACP5;ACP5	ARHGEF6
ADAM21	ACPL2;ACPL2	ARMC5;ARMC5
ADAMTS16	ACSBG1	ARMCX1
ADAMTS17	ACSM5	ARMCX3;ARMCX3;ARMCX3
ADAMTS19	ACSS3	ARSD;ARSD
ADAMTS2;ADAMTS2	ACTL8	ART5;ART5
ADAMTSL1	ACTR10	ASPG
ADARB2	ADAM22;ADAM22;ADAM22;ADAM22;ADAM22	ATP10A
ADCY8	ADAM29;ADAM29;ADAM29;ADAM29	ATP10B
ADCY9	ADAM3A;ADAM3A;ADAM3A	ATP7B;ATP7B
ADCYAP1	ADAM6	ATP8A2
ADCYAP1;ADCYAP1	ADAMTS12	AXIN2
ADCYAP1R1	ADAMTS14;ADAMTS14	B3GAT1;B3GAT1
ADPRHL1	ADAMTS16	BAI1
ADPRHL1;ADPRHL1	ADAMTS5	BCL11B;BCL11B
ADRA1A;ADRA1A;ADRA1A;ADRA1A	ADAMTS6	BCOR;BCOR
AFF2;AFF2;AFF2;AFF2;AFF2;AFF2	ADAMTS7	BCORL1
AFF3;AFF3	ADAMTSL1;ADAMTSL1	BEND4;BEND4
AGBL4	ADAP1	BEND5;AGBL4
AGTR1;AGTR1;AGTR1;AGTR1	ADAR	BRSK2

AKAP12	ADARB2	BRUNOL4;BRUNOL4;BRUNOL4;BRUNOL4
AKD1	ADCY2	BTNL2
ALKBH8	ADCY5	C10orf122;C10orf122
ALLC	ADD2;ADD2;ADD2;ADD2;ADD2	C12orf39
ALOX5	ADPRHL1;ADPRHL1	C12orf60
ALPI	ADRA1B	C13orf16
ALX4	ADRA2A	C14orf180
AMDHD1	ADRA2B	C18orf1;C18orf1
AMPD3;AMPD3;AMPD3	ADRB3	C19orf22
AMPH;AMPH	ADRB3;ADRB3	C1QTNF7;C1QTNF7
ANAPC13;ANAPC13;CEP63;CEP63;CEP63;ANAPC13;CEP63	AFF1;AFF1	C1orf87
ANGPT4	AFF3	C3orf22
ANK1	AFF3;AFF3	C3orf50
ANK1;ANK1;ANK1;ANK1;ANK1	AFG3L1	C5orf28
ANK1;ANK1;ANK1;ANK1;ANK1;ANK1;ANK1;ANK1;ANK1;MIR486	AGAP1;AGAP1	C6orf10
ANKRD34C;ANKRD34C	AGBL1	C6orf174
ANO2	AGBL4	C7orf50;C7orf50;C7orf50
ANO4	AGMAT	C8orf71
AP1G1;AP1G1	AGTR1;AGTR1;AGTR1;AGTR1	C9orf129;WNK2
APBA2;APBA2	AGXT2	CACNA1C;CACNA1C
APCS	AHCTF1	CACNA1D;CACNA1D;CACNA1D
APOL4;APOL4;APOL4;APOL4	AICDA	CACNA1H;CACNA1H
ARHGAP25;ARHGAP25;ARHGAP25;ARHGAP25	AIF1;AIF1;AIF1	CACNA2D4
ARHGAP6;AMELX;AMELX;AMELX;ARHGAP6	AIM2	CADM3;CADM3
ARHGAP6;ARHGAP6	AIRE;AIRE	CADPS;CADPS;CADPS
ARHGAP6;ARHGAP6;ARHGAP6	AKAP10	CALD1;CALD1;CALD1;CALD1;CALD1
ARHGEF10	AKAP11	CAMTA1
ARHGEF16	AKAP4;AKAP4	CAPZA3;PLCZ1
ARHGEF18;ARHGEF18	AKAP7	CASQ2
ARHGEF3	AKAP7;AKAP7;AKAP7;AKAP7;AKAP7	CASZ1;CASZ1
ARHGEF6	AKT3;AKT3	CCDC46;CCDC46
ARMCS;ARMCS	ALAS2;ALAS2;ALAS2	CCL18
ARMCX1	ALDH4A1;ALDH4A1;ALDH4A1	CCR4
ARMCX3;ARMCX3;ARMCX3	ALDH8A1;ALDH8A1	CDH18;CDH18
ARMCX6;ARMCX6	ALG12	CDH22
ARNT2	ALG14	CDR1
ARSD;ARSD	ALK	CES1;CES1;CES1
ART5;ART5	ALPK1;ALPK1	CFHR2
ARX	ALS2CR11;ALS2CR11;ALS2CR11;ALS2CR11	CHL1
ASAH2;ASAH2	ALX3	CHN2
ASAP1	ALX4	CLCN5;MIR188;CLCN5
ASB11;ASB11	AMMECR1;SNORD96B;AMMECR1;AMMECR1	CLDN11
ASCC1	AMPH;AMPH	CLDN14;CLDN14

BRDT;BRDT	ARHGFE6	DLGAP2
BRS3	ARID4B;ARID4B	DLX5
BRSK2	ARMC4	DLX6AS
BRUNOL4;BRUNOL4;BRUNOL4;BRUNOL4	ARMC5;ARMC5	DNAH11
BRUNOL5	ARMCX1	DNMT3A;DNMT3A;DNMT3A
BRWD1;BRWD1	ARMCX2;ARMCX2	DOCK2
BRWD3	ARMCX3;ARMCX3;ARMCX3	DOK6
BSND	ARRB1;ARRB1	DPP6;DPP6;DPP6
BTNL2	ARSB;ARSB	DYRK4
C10orf122;C10orf122	ARSD;ARSD	DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF
C10orf71;C10orf71	ART5;ART5	EBF2
C10orf93	ASB15	EBF3
C11orf21;TSPAN32;C11orf21	ASCL2	EFHA2
C11orf64	ASGR1	EFR3B
C11orf87	ASPG	EHMT1
C12orf39	ASPM	ELMO1
C12orf59	ASPSCR1	EMB
C12orf60	ASTN2;ASTN2;ASTN2	ERC2
C13orf16	ATF6B;ATF6B	ERG;ERG
C14orf135	ATOH1	ESR1
C14orf166	ATP10A	ESX1
C14orf180	ATP10B	EYA4;EYA4;EYA4
C15orf27	ATP11A;ATP11A	FAM107A;FAM107A
C15orf60	ATP13A1	FAM107B
C16orf80	ATP13A4	FAM109A
C16orf91	ATP1A4;ATP1A4	FAM125B
C17orf28	ATP2A2;ATP2A2;ATP2A2	FAM13C;FAM13C;FAM13C;FAM13C
C17orf54	ATP4B	FAM155A
C18orf1;C18orf1	ATP6V1B1	FAM183B
C18orf2;C18orf2;C18orf2;C18orf2	ATP6V1E2	FAM20A
C19orf22	ATP7B;ATP7B	FAM26F
C1QTNF7;C1QTNF7	ATP8A1;ATP8A1	FAM38B
C1QTNF9B	ATP8A2	FAM49A
C1QTNF9B;PCOTH;PCOTH	ATP8B4	FAM53A
C1orf175;C1orf175	ATRNL1	FAM5C
C1orf192	ATXN7L1;ATXN7L1	FAM69C
C1orf87	AXIN2	FAM84A
C1orf96	AZI1;AZI1	FANCC
C21orf29;KRTAP10-4	B3GALT5;B3GALT5;B3GALT5;B3GALT5;B3GALT5	FAT3
C21orf29;KRTAP10-5	B3GAT1;B3GAT1	FBXL17
C21orf56;C21orf56	B3GAT2	FBXL7
C2orf43	B3GNT6	FCGBP
C2orf53	BACH2;BACH2	FCRL3
C2orf82	BAI1	FCRL5
C2orf90;C2orf90	BAI3	FEZF1;FEZF1
C3orf22	BARX1	FGF10

CAMTA1	C10orf88	HRNBP3
CAPZA3;PLCZ1	C10orf99;C10orf99	HSP90B3P
CARD11	C11orf49;C11orf49;C11orf49;C11orf49	HTR1A
CARKD	C11orf53	IFT140
CASQ2	C11orf74;RAG2	IGSF11;IGSF11
CASZ1;CASZ1	C12orf12	INPP5A
CBLN4	C12orf39	IPCEF1;IPCEF1;IPCEF1;IPCEF1
CCBE1	C12orf42;C12orf42	IQSEC1;IQSEC1
CCDC144C	C12orf56;C12orf56	ITGA7;ITGA7;ITGA7
CCDC144NL	C12orf60	ITIH5;ITIH5
CCDC150	C12orf65;C12orf65	JAKMIP3
CCDC46;CCDC46	C13orf16	JPH3
CCDC68	C13orf26	KAL1
CCDC68;CCDC68	C13orf27	KCNH7;KCNH7
CCDC73	C13orf35	KCNK18
CCL1	C13orf36	KCNMA1;KCNMA1;KCNMA1;KCNMA1
CCL18	C14orf132	KCNMB2;KCNMB2
CCR4	C14orf145	KCNQ1;KCNQ1
CD200R1;CD200R1;CD200R1;CD200R1	C14orf177	KCNQ2;KCNQ2;KCNQ2;KCNQ2
CD226	C14orf180	KCNT2
CD84	C14orf182	KCNV1
CD8A;CD8A;CD8A;CD8A	C14orf28	KCTD8
CD8B;CD8B;CD8B	C14orf39	KHDC1L
CD8B;CD8B;CD8B;CD8B;CD8B	C14orf43	KIAA0146
CD97;CD97;CD97	C14orf50	KIAA1429;KIAA1429
CDC20B;GPX8;CDC20B;CDC20B	C15orf33;DTWD1;DTWD1	KIF26A
CDH12;PMCHL1	C15orf43	KIF26B
CDH18;CDH18	C15orf59	KIF2B
CDH22	C16orf73;C16orf73;C16orf73	KIRREL3;KIRREL3
CDH4	C17orf104	KRT77
CDH7;CDH7	C17orf51	KSR1
CDK14	C18orf1;C18orf1	KSR2
CDKAL1	C18orf26	L3MBTL4
CDKL5	C18orf34;C18orf34;C18orf34	LAMA2;LAMA2
CDKN2BAS;CDKN2B;CDKN2B	C18orf62	LBH
CDR1	C19orf22	LDB2;LDB2
CEBPA;LOC80054	C1QL2	LHX6;LHX6
CEND1	C1QTNF1;C1QTNF1;C1QTNF1	LOC100132354
CES1;CES1;CES1	C1QTNF7	LOC100133545
CES8	C1QTNF7;C1QTNF7	LOC100133612
CFHR1	C1orf127	LOC100303728;SLC25A5
CFHR2	C1orf130	LOC145820;LOC145820
CHAT;CHAT;CHAT;CHAT;CHAT;CHAT;CHAT	C1orf131	LOC284661
CHL1	C1orf141	LOC285768;LOC285768
CHMP2A;CHMP2A;UBE2M	C1orf150	LOC285830;LOC285830
CHMP7	C1orf157	LOC339524;LOC339524;LOC339524;LOC339524;LOC339524
CHN2	C1orf161	LOC388387

FAM53A	COL11A2;COL11A2;COL11A2	SPON1
FAM53B	COL11A2;COL11A2;COL11A2;COL11A2	SPRR2C
FAM5C	COL13A1;COL13A1	ST6GALNAC3
FAM69C	COL14A1	ST6GALNAC5
FAM71C;ANKS1B	COL1A2	STAB2
FAM84A	COL20A1	STK10
FAM90A7	COL22A1	STK32B
FAM9B	COL23A1	STK32C
FANCC	COL24A1	STXBP6
FAP	COL25A1;COL25A1	SV2C
FARP1	COL28A1	SYCP2L
FAT3	COL5A1	SYT7
FBP2	COL5A2;COL5A2	T
FBXL17	COL5A3	TACC2;TACC2;TACC2;TACC2
FBXL7	COL6A6	TAS2R40
FCGBP	COL9A1;COL9A1	TBC1D16
FCRL2	COL9A2	TBCD
FCRL3	COLEC10	TCEAL8;TCEAL8
FCRL5	COLEC11;COLEC11	TCERG1L
FEZF1;FEZF1	COLQ;COLQ	TECTA
FGD3	COLQ;COLQ;COLQ	TERT;TERT
FGF10	COMP	TFAP2B
FGF13;FGF13;FGF13;FGF13	CORIN	TFAP2D
FGF16	CPA3	TFF2
FGF6	CPA6;CPA6	TFF3
FGF9;FGF9	CPE;MIR1979	TFPI2
FGGY;FGGY	CPEB1;CPEB1;CPEB1;CPEB1	TGM3
FHIT;FHIT	CPEB1;CPEB1;CPEB1;CPEB1;CPEB1;CPEB1;CPEB1	THSD4
FHL1;FHL1;FHL1;FHL1;FHL1	CPEB3	TMC2
FKBP5;LOC285847	CPLX1	TMEM163
FLJ12825	CPN1	TMEM211
FLJ14107;BIN3	CPO	TMEM225
FLJ25328	CPSF1	TMEM47
FLJ25328;FLJ25328	CPT1B;CPT1B;CPT1B;CPT1B;CHKB-CPT1B;CPT1B;CPT1B;CPT1B;CPT1B;CPT1B;CPT1B;CPT1B	TNR
FLJ32063	CR1L	TNS1
FLJ36000	CR2;CR2	TNXB
FLJ41350	CRADD	TPH2
FLJ44817	CRAMP1L	TPO;TPO;TPO;TPO
FLNA;FLNA	CRB1	TRAPPC9;TRAPPC9
FMO2	CREB5	TRHR
FMO3;FMO3	CREB5;CREB5	TRIM15
FOLR3	CREB5;CREB5;CREB5	TRIM71
FOXP1;FOXP1	CRHR1;CRHR1;CRHR1;CRHR1	TRPC6

GPR156;GPR156	CXorf61	
GPR161	CYFIP2;CYFIP2;CYFIP2	
GPR20	CYGB	
GPR31	CYMP	
GPR78	CYP1A2	
GPX6	CYP26C1	
GREB1	CYP27C1	
GRID2	CYP2B6	
GRIK1;GRIK1	CYP2C8	
GRIK2;GRIK2;GRIK2	CYP2D7P1	
GRIP2	CYP2J2	
GRK7	CYP39A1	
GRM1;GRM1;GRM1;GRM1	CYP3A43;CYP3A43;CYP3A43	
GRM3	CYP4F22	
GRM4	CYP4V2	
GRM6	CYP7B1	
GRM7;GRM7	CYTIP	
GRM8;GRM8;GRM8	D2HGDH	
GSG1L	DAAM2	
GSTA5	DAB1	
GSTM3;GSTM3	DAB2IP	
GSTT1	DACH1;DACH1;DACH1	
GTF2B	DACH2;DACH2	
GTF2H4	DACT1;DACT1	
GTSF1L;GTSF1L	DACT1;DACT1;DACT1;DACT1	
GUCA2B	DAGLA	
GUCY2F	DAXX;DAXX;DAXX;DAXX	
GZMA	DBX1	
H1FNT	DBX2	
H1FOO	DCAF12L1	
H2BFWT;MIR1256	DCAF12L2	
HACE1	DCAF4L2	
HAR1B;HAR1A	DCAF8L2	
HCCA2	DCC	
HCG22	DCC;DCC	
HCK	DCD	
HCRTR2	DCLK1	
HDGF;HDGF;HDGF	DCLK2;DCLK2	
HEATR2	DCN;DCN;DCN;DCN;DCN;DCN	
HELLS	DCTN1;DCTN1;DCTN1;DCTN1	
HELT	DDC	
HES1	DDIT4L	
HGF;HGF;HGF;HGF;HGF	DDX26B	
HIST1H1D	DEFA4	
HLA-DMB	DEFA6	
HLA-DPA1	DEFB113	
HLA-DQA1	DEFB127	

HLA-DQA2	DENND3	
HLA-DQB1	DEPDC5;DEPDC5;DEPDC5	
HLA-DQB2	DEPDC7;DEPDC7	
HLA-DRA	DGCR9	
HLA-DRB1	DGKQ	
HLA-DRB6	DGKZ;DGKZ;DGKZ;DGKZ	
HLA-E	DHDDS;DHDDS	
HMGA1;HMGA1;HMGA1;HMGA1;HMGA1;HMGA1	DHRS4	
HMGB4;CSMD2;HMGB4	DIP2C	
HMH1	DIP2C;C10orf108	
HMX2	DIRAS1	
HNF1B;HNF1B	DIRAS3	
HOPX;HOPX;HOPX;HOPX;HOPX	DIRC3	
HOXA5	DISC1;DISC1;DISC1;DISC1;DISC1;TSNAX- DISC1;DISC1;DISC1;DISC1;DISC1	
HOXB9	DKK2	
HOXD13	DLC1;DLC1	
HOXD3	DLG2;DLG2	
HOXD4	DLG3	
HOXD9	DLGAP1;DLGAP1	
HPCAL4	DLGAP2	
HPSE2;HPSE2;HPSE2;HPSE2	DLL1	
HRNP3	DLX4;DLX4	
HSD11B1;HSD11B1	DLX5	
HSP90B3P	DLX6AS	
HTR1A	DMD;DMD;DMD;DMD;DMD;DMD;DMD	
HTR3B	DMGDH	
HTR6	DNA2	
HYDIN	DNAH11	
HYMAI;PLAGL1;PLAGL1;PLAGL1;PLAGL1;PLAGL1;PLAGL1; ;PLAGL1	DNAH12	
ICA1;ICA1;ICA1	DNAH17	
IER5	DNAH8	
IFT140	DNAH9;DNAH9	
IFT140;TMEM204	DNER	
IGF1;IGF1;IGF1;IGF1	DNMT3A;DNMT3A;DNMT3A	
IGF1R	DOC2A	
IGSF11;IGSF11	DOC2B	
IGSF21	DOCK10	
IKZF1	DOCK2	
IKZF2;IKZF2	DOCK4	
IL13RA2	DOK4	
IL17REL	DOK6	
IL18RAP	DOLPP1;DOLPP1	
IL19;IL19	DPP6;DPP6;DPP6	
IL21;IL21	DPYD;DPYD	
IL31;LRRC43	DPYS	

KIAA1217	EMX1	
KIAA1324L;KIAA1324L;KIAA1324L	EMX2;EMX2;EMX2OS;EMX2;EMX2	
KIAA1409	EMX2OS	
KIAA1429;KIAA1429	EN1	
KIAA1486	ENAM	
KIAA1751	ENGASE	
KIF13B	ENOX1	
KIF17;KIF17	ENOX1;ENOX1	
KIF1A	ENPP7	
KIF26A	ENTHD1	
KIF26B	ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1	
KIF2B	ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1;ENTPD1	
KIR2DS4	EPHA10	
KIR3DL2	EPHA10;EPHA10	
KIRREL3;KIRREL3	EPHA6	
KLF12	EPHB1	
KLF5	ERAS	
KLF8;KLF8	ERC2	
KLF8;KLF8;KLF8	ERG;ERG	
KLHL14	ERP29;ERP29	
KLHL30	ESAM	
KLK8;KLK8;KLK8;KLK8	ESCO1	
KNDC1	ESPNL	
KRT7	ESR1	
KRT77	ESRRG;ESRRG;ESRRG	
KRT78;KRT78	ESX1	
KRT85	ESYT3	
KRTAP10-7;C21orf29	ETS1	
KRTAP19-4	ETV2	
KRTAP4-3	ETV3L	
KRTAP5-5;HCCA2	EVC2;EVC2	
KSR1	EVX1;EVX1	
KSR2	EVX2	
L1CAM;L1CAM;L1CAM	EXOC2	
L3MBTL4	EXOC3	
LAMA2;LAMA2	EXOC4	
LAX1;LAX1;LAX1	EXOSC6	
LAX1;LAX1;LAX1;LAX1	EYA4;EYA4;EYA4	
LBH	EYS	
LBXCOR1	F11	
LCE4A;LCE4A	F2R	
LCLAT1;LCLAT1	FABP1	
LCT	FADS6	
LDB2;LDB2	FAM101A	
LHX2	FAM107A;FAM107A	
LHX6;LHX6	FAM107B	

LIPI	FAM109A	
LMO7;LMO7	FAM110B	
LMX1B	FAM125B	
LOC100127888;SLCO4A1	FAM132A	
LOC100132354	FAM133B;FAM133B	
LOC100132963	FAM13C;FAM13C;FAM13C;FAM13C	
LOC100133545	FAM155A	
LOC100133612	FAM159B	
LOC100240735;FLJ12825	FAM162B	
LOC100271715;LOC375196	FAM163A	
LOC100302652	FAM172A;POU5F2;FAM172A;FAM172A;FAM172A	
LOC100303728;SLC25A5	FAM179A	
LOC145820;LOC145820	FAM183B	
LOC148145	FAM184B	
LOC149134	FAM188B	
LOC154822	FAM189A1	
LOC200726	FAM20A	
LOC221122	FAM26D;BET3L	
LOC254312;LOC254312;LOC254312	FAM26F	
LOC255167;LOC255167	FAM27L	
LOC284661	FAM38A	
LOC284798;LOC284798	FAM38B	
LOC285370	FAM47C	
LOC285768;LOC285768	FAM49A	
LOC285830;LOC285830	FAM53A	
LOC339290;C18orf18	FAM55B	
LOC339524;LOC339524;LOC339524;LOC339524;LOC339524	FAM55D;FAM55D	
LOC340094	FAM59A	
LOC347376	FAM5C	
LOC374443	FAM65B;FAM65B	
LOC388387	FAM69C	
LOC391322	FAM71C;FAM71C;ANKS1B	
LOC401463	FAM81B	
LOC404266;LOC404266;LOC404266;LOC404266;HOXB6;LOC404266	FAM82A1	
LOC407835	FAM83B	
LOC440040	FAM83E	
LOC442459	FAM84A	
LOC552889;LOC552889	FAM91A1	
LOC641367;ZNF100	FAM92A1	
LOC641518;LOC641518	FAM9A;FAM9A;FAM9A	
LOC642597	FANCC	
LOC645323;LOC645323;LOC645323	FAT3	
LOC646813	FAT4	
LOC646982;LOC646982;LOC646982	FBLN5;FBLN5	
LONRF2	FBN1	
LPAR1;LPAR1	FBP1;FBP1	

LPO;LPO;LPO	FBXL17	
LRFN1	FBXL7	
LRRC2	FBXO15;FBXO15	
LRRC2;LRRC2	FBXO22;FBXO22	
LRRC30	FBXO40	
LRRC32;LRRC32	FBXW7	
LRRC3B	FCER2	
LRRN1	FCER2;FCER2	
LRRN2;LRRN2	FCGBP	
LRTM1;CACNA2D3	FCRL1;FCRL1;FCRL1	
LUZP2	FCRL3	
LY9;LY9	FCRL5	
LYPD6B	FER1L5	
LYZL2	FES;FES;FES;FES	
LYZL4	FEZF1;FEZF1	
M6PR;PHC1	FEZF2	
MAD1L1;MAD1L1;MAD1L1	FFAR1	
MAGEA5	FGF10	
MAGED2;MAGED2	FGF12	
MAGEE1	FGF13;FGF13;FGF13;FGF13;FGF13	
MAGEF1	FGF14	
MAGI2	FGF18	
MAGIX;MAGIX;MAGIX;MAGIX	FGF2	
MAGT1	FGF20	
MAML2	FGF4	
MAML3	FGF7;C15orf33	
MAMLD1	FGFR1;FGFR1;FGFR1;FGFR1;FGFR1	
MAOA	FGGY;FGGY	
MAP2	FHL5;FHL5	
MAP7D2;MAP7D2;MAP7D2;MAP7D2	FHOD3	
MAPK12	FIBIN	
MARCH8;MARCH8	FIGNL2;FIGNL2	
MARK1	FILIP1	
MARS	FKBP5	
MAS1L	FLI1;FLI1	
MBD3L1	FLJ12825	
MBNL3;MBNL3;MBNL3;MBNL3;MBNL3;MBNL3	FLJ22536	
MBTPS2	FLJ25328	
MCART2;MCART2	FLJ25328;FLJ25328	
MCART6	FLJ32063	
MCF2L	FLJ36000	
MCF2L;MCF2L	FLJ37201	
MCHR2;MCHR2	FLJ39653;FLJ39653	
MCM10;MCM10	FLJ41350	
MDGA1	FLJ43390	
MDGA2;MDGA2	FLT1	
MECP2;MECP2	FLT1;FLT1;FLT1;FLT1	

MED12L	FLT3	
MEG3;MEG3;MEG3	FLVCR2	
MEGF11	FMN2	
MEGF6	FMO2	
MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2	FMO4;TOP1P1	
MEOX2	FN1;FN1;FN1;FN1;FN1;FN1	
MEOX2;MEOX2	FNDC1	
MFI2;MFI2	FOLH1B;FOLH1B	
MGA;MGA	FOX12	
MGAT4C	FOXK1	
MGAT5B;MGAT5B	FOXN3	
MGC16121;MIR424;MIR503	FOXP1	
MGLL;MGLL	FOXP2;FOXP2;FOXP2	
MGMT	FRAS1;FRAS1	
MICB	FREM3	
MIER1;WDR78;MIER1;MIER1;MIER1;MIER1;MIER1;MIER1;WDR78;MIER1	FRMD1;FRMD1	
MIR124-1;LOC157627	FRMD3	
MIR127;RTL1	FRMPD4	
MIR129-1	FRMPD4;FRMPD4	
MIR181C;MIR181D	FRZB	
MIR20B;MIR363;MIR106A;MIR18B;MIR19B2;MIR92A2	FSHB;FSHB	
MIR299;MIR411	FSHR;FSHR	
MIR372;MIR371;MIR373	FSTL4	
MIR409;MIR410;MIR412;MIR369;MIR656	FUT4	
MIR410;MIR412;MIR369;MIR656	FUT4;FUT4	
MIR411;MIR379	FUT5	
MIR412;MIR541;MIR409;MIR369	FUZ	
MIR453;MIR485;MIR668	FXYD1;FXYD1	
MIR485;MIR453;MIR668	FYN;FYN;FYN	
MIR488;ASTN1;ASTN1	FZD4	
MIR492	FZD5	
MIR507;MIR506	G0S2	
MIR516A2	GAB1;GAB1	
MIR518A2	GAB3;GAB3	
MIR520E	GABBR1;GABBR1;GABBR1	
MIR525	GABBR2	
MIR548F3;CNTNAP2	GABRA2;GABRA2	
MIR548I4;CNTNAP2	GABRA4	
MIR592;GRM8;GRM8;GRM8	GABRB3;GABRB3	
MKX	GABRG3	
MLLT11	GABRP	
MLXIPL;MLXIPL;MLXIPL;MLXIPL	GAL	
MMP12;MMP12	GALC;GALC	
MMP15	GALNS;TRAPPC2L	
MN1	GALNT13	

MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG	GALNT9	
MOSC1	GALNT9;LOC100130238	
MPO	GALR2	
MPP7	GAPT	
MPPED2;MPPED2	GAS2L1;GAS2L1;GAS2L1	
MRPL42P5	GAS7;GAS7;GAS7	
MRPS28	GAS7;GAS7;GAS7;GAS7	
MS4A14;MS4A14;MS4A14;MS4A14	GATA1	
MSMB;MSMB	GATAD2B	
MSN	GBGT1	
MSR1;MSR1;MSR1	GBP4;GBP4	
MTA1	GBP7	
MTMR7	GCC2;GCC2	
MUC12	GCET2;GCET2	
MUC15;ANO3;MUC15;MUC15	GCG	
MUC4;MUC4;MUC4	GCK;GCK;GCK	
MUC5B	GCNT7	
MUM1L1	GDF3	
MXRA5	GDF6	
MYBPC2	GF11;GF11;GF11	
MYEF2	GFPT2	
MYF5	GFRA2;GFRA2;GFRA2	
MYH1	GFRAL	
MYH13	GGTLC1	
MYH14;MYH14;MYH14	GHSR;GHSR	
MYH7	GIMAP7	
MYH8	GIMAP8	
MYO16	GJA3	
MYO1E	GJD4	
MYO7A;MYO7A;MYO7A	GLB1L3	
MYO7B	GLDN	
MYOC	GLI2	
MYT1L	GLIS1	
NACAD	GLP2R	
NADK	GLT25D2	
NBEA	GLYATL3	
NCALD;NCALD;NCALD;NCALD;NCALD;NCALD;NCALD	GNAI1	
NCALD;NCALD;NCALD;NCALD;NCALD;NCALD;NCALD;NCALD	GNAO1;GNAO1	
NCAM1;NCAM1	GNAS;GNAS;GNAS	
NCAN	GNB1	
NCKAP1L	GNG7	
NCKAP5;NCKAP5	GNPDA2	
NCRNA00029	GOLGA3	
NCRNA00086	GPC6	
NCRNA00171	GPER;C7orf50;GPER;C7orf50;C7orf50;GPER	

NCRNA00207;NCRNA00207;NCRNA00207	GPER;GPER;C7orf50;C7orf50;C7orf50;GPER	
NDFIP2;NDFIP2	GPHB5	
NDNL2;FAM189A1;NDNL2	GPLD1;GPLD1	
NDRG4;NDRG4;NDRG4	GPM6A;GPM6A	
NEBL;NEBL	GPR113;GPR113;GPR113	
NECAB2	GPR119	
NFASC;NFASC;NFASC;NFASC	GPR123	
NFASC;NFASC;NFASC;NFASC;NFASC	GPR133	
NFATC1;NFATC1;NFATC1;NFATC1	GPR158	
NFIA;NFIA;NFIA;NFIA	GPR20	
NHSL1;NHSL1	GPR37	
NKAIN2	GPR6	
NKAIN4	GPR63;GPR63	
NKG7	GPR83	
NKX2-4	GPR98;GPR98	
NLGN1	GPRIN2	
NLGN4X;NLGN4X	GPX5;GPX5	
NLRP10	GRAP2	
NLRP3;NLRP3;NLRP3;NLRP3;NLRP3	GRASP	
NLRP7;NLRP7;NLRP7	GREM1	
NMNAT2;NMNAT2	GRIA4;GRIA4;GRIA4;GRIA4	
NOD2	GRID2	
NODAL	GRIK1;GRIK1	
NOTCH4	GRIK2;GRIK2;GRIK2;GRIK2;GRIK2;GRIK2	
NOX4;NOX4;NOX4;NOX4	GRIK3	
NPAT	GRIK5	
NPFF	GRIN2A;GRIN2A;GRIN2A	
NPHS2	GRIN2B	
NPPA	GRK1	
NPY5R	GRK5	
NR2E1	GRK7	
NR3C2;NR3C2	GRM1;GRM1	
NR4A3;NR4A3;NR4A3;NR4A3	GRM1;GRM1;GRM1;GRM1	
NRAP;NRAP	GRM5	
NRG1	GRM7;GRM7	
NRG3;NRG3;NRG3	GRXCR1	
NRSN1	GSG1L	
NRXN1;NRXN1	GSTCD;GSTCD	
NRXN2;NRXN2	GSTT1	
NRXN3;NRXN3;NRXN3	GTF3C3	
NSDHL;NSDHL	GUCA2B	
NTF3	GUCY1A2	
NTF3;NTF3	GUCY1B2	
NTM	GUCY2D	
NTM;NTM;NTM;NTM	GUCY2F;GUCY2F	
NTNG2	GUSBL1	
NTRK3;NTRK3;NTRK3	GUSBL2	

NUDT9P1	H1FNT	
NXF2;NXF2B;NXF2	H1FOO	
NXN	H2AFY2	
NYNRIN	HACE1	
OBSCN;OBSCN	HAL	
OBSL1	HAND1	
OCA2	HBA1	
OCM	HCCA2	
OCRL;OCRL	HCCA2;DUSP8	
ODF2L;ODF2L	HCCA2;KRTAP5-1;LOC338651	
ODF3L2	HCCS;HCCS	
ODZ1;ODZ1;ODZ1	HCG4P6	
ODZ2	HCLS1	
ODZ4	HCN1	
OLFML1	HCN4	
OLIG1	HDAC2	
OLIG1;OLIG1	HDAC4	
OPCML	HDAC4;MGC16025	
OPCML;OPCML	HDC	
OR10C1	HEATR7B2	
OR10G3	HECW1	
OR10G9	HECW2	
OR10H5	HEPHL1	
OR10S1	HEXDC	
OR11H4	HEY2	
OR12D2	HGC6.3	
OR12D3	HGF;HGF;HGF;HGF;HGF;HGF;HGF;HGF;HGF;HGF;HGF;HGF;HGF	
OR1M1	HHIP	
OR1S2	HHIPL1	
OR2C3	HHIPL1;HHIPL1	
OR2D2	HHLA1	
OR2G6	HIST1H1A	
OR2H2	HLA-DMA	
OR2J2	HLA-DOA	
OR2L3;OR2L13	HLA-DPB1	
OR4B1	HLA-DQB1	
OR4C6	HLA-DQB2	
OR4D1	HLA-DRA	
OR4D5	HLA-DRB6	
OR4M1	HLA-G	
OR4S1	HLA-L	
OR51B5	HLCS	
OR51D1	HLF	
OR51E2	HLX	
OR51S1	HMGCLL1;HMGCLL1	
OR52W1	HMGNS	
OR5B12	HNF1B;HNF1B;HNF1B;HNF1B	

PLCG2	KCNE1	
PLCH2	KCNE4;KCNE4	
PLD5	KCNG2	
PLEKHA2	KCNG3;KCNG3	
PLEKHA5;PLEKHA5	KCNH6;KCNH6	
PLG;PLG	KCNH7;KCNH7	
PLIN5	KCNH8	
PLXNB3;PLXNB3	KCNIP1;KCNMB1	
PLXNC1	KCNIP2;KCNIP2;KCNIP2;KCNIP2;KCNIP2;KCNIP2	
PNCK;PNCK	KCNIP4	
PNLIP	KCNJ10	
PNPLA7;PNPLA7	KCNJ6	
POLA1	KCNK10;KCNK10	
POM121L12	KCNK13	
POMC;POMC	KCNK17;KCNK17	
PON1	KCNK18	
PORCN;PORCN;PORCN;PORCN;PORCN	KCNK7;KCNK7;KCNK7;KCNK7	
POTEA;POTEA	KCNMA1;KCNMA1;KCNMA1;KCNMA1	
POU3F1	KCNMB1;KCNIP1	
POU4F2;POU4F2	KCNMB2;KCNMB2	
POU4F3	KCNMB3;KCNMB3	
POU6F1;POU6F1	KCNMB4	
POU6F2;POU6F2	KCNQ1;KCNQ1	
PPAP2A;PPAP2A;RNF138P1	KCNQ1;KCNQ1OT1;KCNQ1	
PPEF1;PPEF1;PPEF1	KCNQ1DN	
PPEF1;PPEF1;PPEF1;PPEF1;PPEF1;PPEF1	KCNQ2;KCNQ2;KCNQ2;KCNQ2	
PPFIA1;PPFIA1;MIR548K	KCNQ4;KCNQ4	
PPFIA4	KCS1	
PPIG	KCNT2	
PPIL6;PPIL6	KCNU1	
PPM1A	KCNV1	
PPM1L	KCTD8	
PPP1R16B	KDM3A;KDM3A	
PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B	KDR	
PPP2R2C;PPP2R2C	KHDC1L	
PPY	KIAA0146	
PRAC;C17orf93	KIAA0427;KIAA0427	
PRB4	KIAA0556	
PRDM11	KIAA0664	
PRDM11;PRDM11	KIAA0748;KIAA0748	
PRDM16;PRDM16	KIAA1211	
PRDM2;PRDM2;PRDM2	KIAA1239	
PRDM5	KIAA1257	
PRDM6	KIAA1274	
PRDM7	KIAA1429;KIAA1429	
PREX2;PREX2	KIAA1462	

PRF1;PRF1	KIAA1549;KIAA1549	
PRIM2	KIAA1586	
PRKAR1B;PRKAR1B;PRKAR1B;PRKAR1B;PRKAR1B;PRKAR1B	KIAA1688	
PRKCE	KIAA1875	
PRKCG	KIAA1908;KIAA1908;KIAA1908	
PRKG1;PRKG1	KIF19	
PRL;PRL	KIF21B	
PRLR	KIF26A	
PRO0611;PUM1;PUM1	KIF26B	
PROL1	KIF2B	
PROZ	KIF5C	
PRPF40A	KIF6	
PRR18;PRR18	KIRREL3;KIRREL3	
PRR5L;PRR5L;PRR5L;PRR5L	KIT;KIT	
PRRG1;PRRG1	KITLG;KITLG	
PRRX1;PRRX1	KLB	
PRRX2	KLHL13;KLHL13;KLHL13;KLHL13;KLHL13	
PSD3;PSD3	KLHL1;ATXN8OS	
PSG4;PSG4	KLHL26	
PSMA4;PSMA4;PSMA4	KLHL29	
PSTPIP1	KLHL3	
PTBP2	KLHL34	
PTCHD1	KLHL36	
PTCHD2	KLHL6	
PTGDR	KLK13	
PTGER3;PTGER3;PTGER3;PTGER3;PTGER3;PTGER3;PTGER3;PTGER3;PTGER3;PTGER3	KLK14	
PTH1R	KLK14;KLK14	
PTH2R	KLKB1	
PTPRB;PTPRB	KLKBL4	
PTPRD;PTPRD	KLRB1	
PTPRN2;PTPRN2;PTPRN2	KLRC1;KLRC1	
PTPRO;PTPRO	KLRC1;KLRC1;KLRC1;KLRC1	
PTPRR;PTPRR	KRAS;KRAS	
PUM1;PUM1	KRBA1	
PURG;PURG;PURG;WRN	KRT2	
PWRN2	KRT24;KRT24	
PXDN	KRT26	
PXK	KRT32	
R3HDM2	KRT37	
RAB3B	KRT73	
RAB3C	KRT74	
RAB40A	KRT77	
RAB41	KRTAP4-12;KRTAP4-12	
RAD51L1;RAD51L1;RAD51L1	KRTAP4-4	
RADIL	KRTAP6-2	

RALGAPA1;RALGAPA1	KRTAP6-3	
RALGDS	KRTAP7-1	
RALYL;RALYL;RALYL	KSR1	
RAP2B;RAP2B	KSR2	
RAPGEF5	KTN1;KTN1;KTN1;KTN1	
RASA3	KY	
RASGRF1;RASGRF1	KYNU;KYNU	
RASGRF2	L3MBTL4	
RAX	LACRT	
RB1	LAMA2;LAMA2	
RBM20	LAMB3;LAMB3;LAMB3	
RBM26	LAMC3	
RBM43	LARP1	
RBMX;RBMX;RBMX;RBMX	LBH	
RBMXL2	LBH;LBH	
RCHY1;RCHY1;RCHY1	LBP	
REG1A	LCE1D	
RELL1	LCK	
REXO1L2P	LCN1	
RFPL1S;RFPL1;RFPL1	LCP1	
RFPL2;RFPL2;RFPL2;RFPL2;RFPL2	LDB2;LDB2	
RFPL3;RFPL3	LDHAL6B;MYO1E	
RFX4;RFX4	LDLRAD1	
RGL1	LECT1;LECT1	
RGS12;RGS12;RGS12	LEKR1	
RGS20	LETM1	
RGS6	LFNG;LFNG	
RGS7	LGALS12;LGALS12;LGALS12;LGALS12;LGALS12	
RGSL1	LGI1	
RHO	LGR5	
RIBC1;RIBC1	LGR6;LGR6;LGR6	
RIC3;RIC3	LHFPL1	
RICH2	LHFPL3;LHFPL3	
RIMBP2	LHX4	
RIPPLY2	LHX6;LHX6	
RLF	LHX8	
RNASE13	LIG3;LIG3	
RNF128;RNF128	LIMA1;LIMA1;LIMA1	
RNF150	LIMS2	
RNF166	LIMS2;LIMS2;LIMS2;LIMS2	
RNF43	LINGO4	
RNFT2;RNFT2	LIPJ	
RNLS;RNLS	LMF1	
RNU5E;RNU5D	LMO2;LMO2;LMO2	
ROBO1	LMO3;LMO3	
ROBO1;ROBO1;ROBO1;ROBO1	LMX1A	
ROBO2;ROBO2	LOC100128811;GPR158	

ROBO4	LOC100128977;IMP5	
RORA	LOC100130872-SPON2;SPON2;SPON2	
RPH3AL	LOC100132354	
RPLPOP2	LOC100132831	
RPS6KA2	LOC100133331	
RPS6KA2;RPS6KA2	LOC100133469	
RPS6KA3	LOC100133545	
RPTOR;RPTOR	LOC100133612	
RSAD2	LOC100188947	
RSPO2	LOC100188949	
RTF1	LOC100216001	
RTL1;MIR431;MIR433	LOC100240726	
RTN1;RTN1	LOC100287718	
RTN1;RTN1;RTN1	LOC100287834;LOC100287704	
RUNX3	LOC100289673	
RYR1;RYR1	LOC100303728	
RYR2	LOC100303728;SLC25A5	
RYR3	LOC145820;LOC145820	
S100Z	LOC145837	
SAFB2	LOC145845	
SALL1;SALL1	LOC150568	
SAMD3	LOC150622	
SAMD4A;SAMD4A;SAMD4A	LOC153328	
SART1	LOC220429	
SAV1	LOC255025	
SBNO2	LOC255411;LOC255411	
SCG3;SCG3	LOC283070	
SCGN;SCGN	LOC284009;METT10D	
SCIN;SCIN	LOC284232	
SCNN1D;SCNN1D	LOC284661	
SCOC;SCOC;SCOC;SCOC;SCOC	LOC284688	
SDK1	LOC284798;LOC284798;LOC284798	
SDK1;SDK1	LOC285205	
SDK2	LOC285692	
SEMA3E	LOC285733	
SERPINB11	LOC285768;LOC285768	
SERPINB12	LOC285830;LOC285830	
SERPINI2	LOC339524;LOC339524;LOC339524;LOC339524;LOC339524	
SEZ6L	LOC387646	
SFMBT2	LOC388387	
SFTA2	LOC388428	
SFTP A2	LOC399959;MIR100	
SGCD;SGCD;SGCD	LOC400759	
SGCD;SGCD;SGCD;SGCD;SGCD	LOC401463	
SGEF	LOC407835	
SGPP2	LOC441089	
SH2D1A;SH2D1A	LOC441601	

SH3PXD2B	LOC441897	
SHANK2	LOC442293	
SHANK2;SHANK2	LOC493754	
SHC4	LOC494141;LOC494141	
SHISA3	LOC642597	
SHISA6	LOC644649	
SHROOM2	LOC646627	
SHROOM4;SHROOM4	LOC646982;LOC646982;LOC646982	
SIGLEC12;SIGLEC12	LOC728723;ZBED3	
SIGLEC14	LOC90246	
SIP1;SIP1;SIP1	LONP1	
SIRT3;SIRT3	LOXL1	
SLAMF1;SLAMF1	LPAR1;LPAR1	
SLC10A1	LPAR4	
SLC12A7	LPHN2	
SLC13A3;SLC13A3	LPL	
SLC17A4	LPPR1	
SLC17A6	LPPR1;LPPR1	
SLC1A7;SLC1A7	LRCH2	
SLC22A13	LRFN1	
SLC22A2	LRIT1	
SLC25A14;SLC25A14	LRP12;LRP12	
SLC25A18	LRP1B	
SLC26A3	LRRC10	
SLC26A5;SLC26A5;SLC26A5;SLC26A5;SLC26A5	LRRC27;LRRC27;LRRC27;LRRC27;LRRC27	
SLC2A2	LRRC2;TDGF1	
SLC2A3	LRRC32;LRRC32	
SLC2A7	LRRC3B	
SLC35F1	LRRC4C	
SLC38A10;SLC38A10	LRRC4C;LRRC4C	
SLC38A5	LRRC52;LOC400794	
SLC44A2	LRRC6	
SLC45A2;SLC45A2	LRRC67	
SLC4A10	LRRIQ3	
SLC5A12	LRRK1	
SLC5A4	LRRK2	
SLC5A7	LRRN1	
SLC6A1	LRRN2;LRRN2	
SLC6A19	LRTM1;CACNA2D3;LRTM1	
SLC7A3;SLC7A3	LRTM2;LRTM2;CACNA2D4;LRTM2	
SLC7A4	LRTOMT;LRTOMT;LRTOMT;LRTOMT;LRTOMT;LRTOMT	
SLC8A1;SLC8A1;SLC8A1;SLC8A1	LST1;LST1;LST1;LST1;LST1;LST1;LST1;LST1;LST1;LST1	
SLCO3A1;SLCO3A1	LTA;LTA	
SLCO5A1;SLCO5A1;SLCO5A1	LUZP2	
SLIT3	LVRN	
SLITRK2;SLITRK2;SLITRK2;SLITRK2	LY6G6F	
SLITRK4	LY9;LY9	

SMARCA2;SMARCA2	LYG1	
SMARCC1	LYPD5;LYPD5	
SMEK3P	LYPD6B	
SMO	LYRM4;LYRM4	
SMOC2;SMOC2	LYSMD2;LYSMD2	
SMYD3;SMYD3	LYZL2	
SNORD113-4	LZTF1	
SNORD115-15;SNORD115-21;SNORD115-34	MAB21L1;MIR548F5;NBEA;MAB21L1	
SNORD115-6	MACROD2;MACROD2	
SNORD115-9;SNORD115-12;SNORD115-10;SNORD115-5	MAD1L1;MAD1L1;MAD1L1	
SNORD116-26	MAF;MAF;MAF	
SNRPN;SNURF;SNRPN;SNRPN;SNRPN;SNURF;SNRPN	MAGEA10;MAGEA10	
SNTG2	MAGEA5	
SNX20;SNX20	MAGEC3	
SOD3	MAGED2;MAGED2	
SORBS1;SORBS1;SORBS1;SORBS1;SORBS1;SORBS1;SORBS1	MAGEE1	
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SORCS1;SORCS1	MAGI2	
SORCS2	MAL;MAL;MAL;MAL	
SORCS3	MALL	
SORL1	MAML2	
SOST	MAML3	
SOX11	MAN2B2	
SOX2OT	MAP2K5;MAP2K5	
SOX30;SOX30	MAP3K10	
SOX5	MAPK4	
SP110;SP110;SP110	MAPRE2;MAPRE2;MAPRE2;MAPRE2	
SPANXC;SPANXC	MARCH1;MARCH1	
SPATA13;SPATA13	MARK1	
SPCS3	MASP1;MASP1;MASP1;MASP1;MASP1;MASP1	
SPEM1	MAST4;MAST4;MAST4	
SPERT	MATN4;RBPJL;MATN4;MATN4	
SPN;SPN	MB;MB;MB	
SPNS1;SPNS1;SPNS1;SPNS1;SPNS1	MBNL3;MBNL3;MBNL3	
SPOCK3;SPOCK3	MBTPS2	
SPON1	MC2R	
SPOPL	MCART6	
SPRR2C	MCF2L2	
SPSB4	MCF2L;MCF2L	
SRBD1	MCHR2;MCHR2	
ST5;ST5;ST5	MCTP1	
ST6GALNAC1	MDGA1	
ST6GALNAC3	MDGA2;MDGA2	
ST6GALNAC5	MDP1	
ST8SIA2	MED12L;P2RY14;P2RY14	

ST8SIA5	MEF2C	
STAB2	MEF2C;MEF2C	
STK10	MEG8	
STK17B	MEGF10	
STK32B	MEGF10;MEGF10	
STK32C	MEGF6	
STS	MEGF6;MIR551A	
STXBP6	MEI1	
SUCLG1	MEOX1;MEOX1;MEOX1	
SV2C	MEOX2	
SYCP2L	MEPE	
SYK;SYK;SYK;SYK	METTL11B	
SYN1;SYN1	MFHAS1	
SYNPR	MFSD8;C4orf29	
SYT3;SYT3	MGAM	
SYT3;SYT3;SYT3	MGAT5B	
SYT7	MGC23270	
SYTL5;SYTL5;SYTL5	MGC26597	
T	MGLL;MGLL	
TAAR6	MGMT	
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TARSL2	MICB	
TAS2R1	MICB;MICB	
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TBCD	MIR10B	
TBX15	MIR124-2	
TBX3;TBX3	MIR1256;H2BFM	
TCEAL8;TCEAL8	MIR1258;ZNF385B	
TCERG1L	MIR1260;NGB	
TCF7L1	MIR127;RTL1	
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TEX19	MIR206	
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TFAP2D	MIR223	
TFAP2D;TFAP2D	MIR29C	
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TFF3	MIR410;MIR412;MIR369;MIR656	
TFPI2	MIR492	
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THADA;THADA	MIR548A2	
THSD4	MIR548F1	
THSD7A	MIR548F5;NBEA	

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TIE1	MIR609;C10orf79	
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TM6SF1;TM6SF1	MLLT3	
TMC2	MLLT6	
TMEFF2	MMP13	
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TMEM132B	MMP28	
TMEM132E	MMP28;MMP28	
TMEM154	MOBP;MOBP	
TMEM163	MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG	
TMEM202	MORC1	
TMEM211	MORF4	
TMEM225	MORN1	
TMEM232	MOS	
TMEM233	MPPED2	
TMEM47	MPZL1;MPZL1;MPZL1	
TMEM71;TMEM71	MR1	
TMEM79;TMEM79	MRC2	
TMIE	MRGPRE	
TMPRSS2;TMPRSS2	MRGPRF;MRGPRF	
TMPRSS3;TMPRSS3;TMPRSS3	MRGPRX2	
TMPRSS8	MRPS21;MRPS21	
TNFRSF13B	MRPS28	
TNFSF8	MRPS6;SLC5A3	
TNNI3;TNNI3	MS4A13;MS4A13;MS4A13;MS4A13	
TNR	MS4A14;MS4A14;MS4A14;MS4A14	
TNRC6C;TNRC6C	MS4A15;MS4A15	
TNS1	MS4A7;MS4A7;MS4A7;MS4A7	
TNXB	MSI1	
TOLLIP	MSRB3;MSRB3	
TP53I11;TP53I11	MTERFD2;MTERFD2;MTERFD2;MTERFD2	
TPH1	MTNR1B	
TPH2	MTUS2	
TPO;TPO;TPO;TPO	MTUS2;MTUS2	
TPPP2	MTX3;MTX3	
TPTE2;TPTE2;TPTE2	MUC13	
TRAPPC9	MUC2	
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TRHR	MUC21;MUC21	
TRIM15	MUC4;MUC4;MUC4	
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TRIM63	MUC7;MUC7;MUC7	
TRIM6;TRIM6-TRIM34;TRIM6	MUSK;MUSK;MUSK	
TRIM71	MX1;MX1	
TRIM77	MXRA5	

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WFDC3;DNNTIP1	NEFL	
WFDC8;WFDC8	NEGR1	
WFDC9	NEK1	
WFS1;WFS1	NEK11;NEK11	
WNK2	NELL1;NELL1	
WNT11	NEO1	
WNT5A	NET1;NET1	
WNT7A	NEUROD1	
WNT8A	NEUROD2	
WSCD2	NEUROD4	
WWP2;WWP2	NF1;NF1	
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XCL1	NFATC2	
XIRP2;XIRP2	NGEF;NGEF	
XKR4	NGF	
XKR6;MIR598	NHLRC3;NHLRC3	
XKR7	NHS	
XKR7;XKR7	NID2	
XKRX	NIN;NIN;NIN	
YPEL2	NKAIN3	
ZAP70	NKAIN4	
ZBBX	NKD1	
ZBTB16;ZBTB16	NKX2-3	
ZCCHC13	NKX2-4	
ZCCHC16	NLGN1	
ZCCHC5	NLRP14;ZNF214;NLRP14	
ZDHHC15;ZDHHC15;ZDHHC15	NME5	
ZDHHC2	NMNAT1	
ZEB2;ZEB2	NMUR1	
ZFATAS;ZFAT;ZFAT;ZFAT	NOD2	
ZFHX4	NOG;NOG	
ZFP2	NOL4	
ZFP82	NOTCH4	
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ZFYVE28	NOX3	
ZIC1	NOX4;NOX4;NOX4;NOX4	
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ZNF177;ZNF177	NPHP4	
ZNF185	NPHS2	
ZNF20	NPR2	
ZNF251	NPTX1	
ZNF281	NPY6R	
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	PITX2;PITX2	
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	PLXND1	
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	PRKAR2B	
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	PRRT4	
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	ProSAPiP1	
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	R3HDM2	
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	RAC2	
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	RAMP1	
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	RAPGEF5	
	RARB;RARB	
	RASA3	
	RASAL3	
	RASGEF1C	
	RASGRF2	
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	RASL10B	
	RASSF2;RASSF2	
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	RCAN2	

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	RCSD1	
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RSPO2	
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SCAND3	
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	UPRT;UPRT	
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	VAX1;VAX1	

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	VGLL1;MIR934	
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