

Normal Silencing (Fig. 2a)				Abnormal Silencing (Fig. 2b)		
MR46	MR45	MP2	MP4	MR46	MR45	MP2
A2M	A2M	A1L4H1_HUMAN	A1L4H1_HUMAN	ABCC3	ABCC3	ABCC4
ABCC4	ABCC4	A2M	A2M	ADAMTS2	ADC	ABHD14B
ABHD14A	ABHD14A	A4GALT	ABLIM3	ADC	AFF3	ADAM12
ABHD14B	ABHD14B	ABCC3	ADAMTS6	AFF3	AMPD3	ADAMTS2
ABLIM3	ABHD7	ABLIM3	AFAP1	BDKRB2	APCDD1	ADCK5
ADAMTS6	ABLIM3	ADAMTS6	AFF3	BGN	ARHGAP6	ADRB2
ADCK5	ADAMTS5	ADRA1B	ALDH3B1	C14orf167	ARSA	AK5
ADHFE1	ADAMTS6	AFAP1	AMPH	C1orf213	BDKRB2	ALPK2
ADRA1B	ADCY6	AFF3	ANKH	C9orf150	BGN	ALS2CR16
AFAP1	ADHFE1	AKT1	ANKRD34	CD302	C10orf10	AMIGO2
ALDH3B1	ADRA1B	AKT1S1	APCDD1L	CDC2L6	C9orf150	AMOT
ANGPT1	ALDH3B1	ALDH3B1	ARHGAP20	CEBPE	CAPN8	ANPEP
ANKH	ALPK2	AMPH	ATOH8	CLEC11A	CD302	ANTXR2
ANKRD34	ANGPT1	ANGPT1	ATP10D	CLIP3	CDC2L6	AOX1
ANKRD42	ANKH	ANKH	ATP8B1	CNTNAP1	CEBPE	APCDD1L
ANKRD44	ANKRD25	ANKRD34	BAHCC1	COL6A2	CENTB5	ARMCX6
ANPEP	ANKRD34	ANKRD44	BCL9L	COPZ2	CLIP3	ARRDC4
ANTXR2	ANKRD42	AREG	BIRC3	CSF1	CNTNAP1	BAI2
AOF1	ANKRD44	ARHGAP20	BMP1	CSPG4	COL6A2	BGN
APPL2	ANPEP	ARHGAP24	BTN3A1	CTBS	COL8A1	BHLHB3
ARHGAP20	ANTXR2	ASB8	BTN3A3	CUL7	COPZ2	C11orf69
ARHGAP24	AOF1	ATOH8	C10orf10	DDR2	CREB5	C13orf15
ARHGAP6	APPL2	ATP10A	C10orf116	DUSP10	CSF1	C6orf98
ARID5A	ARHGAP20	ATP10D	C1QTNF2	ECM1	CSPG4	C9orf121
ARSB	ARID5A	ATP7A	C21orf7	EPHB3	CST3	CA12
ASAH1	ARID5B	ATP8B1	C4orf22	FAM132B	CTS2	CACNA1H
ATOH8	ARSB	ATXN1	C5orf23	FAM26B	CUL7	CAMK2N1
ATP10A	ATOH8	AYTL1	C6orf150	FKBP9L	DCN	CAT
ATP7A	ATP10A	BAHCC1	C6orf65	GLIS1	DDIT3	CDH4
ATXN1	ATP7A	BCL9L	C8orf48	HOXA5	DDR2	CLEC11A
BAHCC1	ATXN1	BDKRB1	C9orf53	ICAM1	DUSP10	CLIP4
BAI2	AYTL1	BICC1	CASP1	ICAM5	DYRK3	COL3A1
BDKRB1	BAHCC1	BMP1	CASP5	ITGB3	ECE1	COL5A3
BICC1	BAI2	BNC2	CCDC102B	KAZALD1	ECM1	COL6A2
BTBD9	BDKRB1	BTN3A1	CD33L3	LIF	EPHB3	COPZ2

BTN3A1	BICC1	BTN3A3	CD68	LRRC17	ESPNL	CXorf6
BTN3A3	BMI1	BVES	CDH15	MAGEA10	F10	DCN
C10orf33	BMP1	C10orf10	CDX2	MEIS1	FAM113A	DKK1
C10orf56	BST1	C10orf116	CEACAM3	NFIA	FAM132B	DLX1
C13orf15	BTBD9	C10orf33	CEBPE	NP_001007190.1	FAM26B	EDG2
C14orf45	BTN3A1	C1QTNF2	CENTB5	NP_116012.2	FKBP9	ENSG0000020348
C1RL	BTN3A3	C1orf86	CLCF1	NTNG2	FKBP9L	EPHB3
C1orf53	C10orf33	C21orf7	CLDN1	NUDT18	FLNC	EYA2
C1orf86	C10orf56	C4orf22	CLEC14A	OAF	FZD1	EYA4
C2	C13orf15	C5orf23	CLEC2B	OTUD7A	GJA12	F10
C20orf194	C14orf149	C6orf145	CLEC3B	PHLDA1	GLIS1	FAM132B
C3orf54	C14orf45	C6orf150	COL15A1	PIK3IP1	GRK5	FAM26B
C4orf22	C15orf37	C6orf65	COL5A3	PLGLA1	HAAO	FAM89A
C5orf23	C1RL	C9orf150	CORO2B	PPP1R15A	HOXA5	FAP
C6orf145	C1orf160	C9orf53	CPA4	PTGS1	ICAM5	FMN2
C6orf65	C1orf53	C9orf94	CRH	PXK	ITGB3	FMOD
C6orf98	C1orf86	CASP1	CRISPLD2	Q86V40_HUMAN	LIF	FOXF1
C7orf10	C2	CASP5	CROT	Q9GZQ9_HUMAN	LRRC17	FOXF2
C8orf34	C20orf194	CCDC102B	CSF1	Q9HBR0_HUMAN	MAFF	GALNT5
C9orf103	C4orf22	CCDC68	DDR2	ROM1	MAGEA10	GAS6
C9orf53	C5orf23	CCDC89	DGKI	SCML1	MAP1LC3A	GATA6
CAPS	C6orf145	CCDC92	DIXDC1	SDSL	MDGA1	GLIS1
CASP1	C6orf65	CD274	DLL4	SGCD	MEIS1	GNRH1
CASP5	C6orf98	CD302	DPF3	SHC3	NAV3	GREM2
CCDC102A	C8orf34	CD33L3	ENG	SLC26A10	NFIA	HAS2
CCDC102B	C8orf4	CD68	ENSG0000017934	SLC9A9	NP_001007190.1	HMCN1
CCDC92	C9orf103	CD82	ENSG0000018028	SMTN	NP_057218.1	HOXA4
CCT6B	C9orf53	CDC2L6	ENSG0000020353	SP140	NP_079178.2	HOXA5
CD151	CAPS	CDH15	ENSG0000020409	STARD5	NP_116012.2	HOXB4
CD274	CASP1	CDH7	ENSG0000020460	TENC1	NR2F2	HOXB5
CD68	CASP5	CDX2	EVC	TGFB1	NUDT18	HOXB6
CD82	CCDC102A	CEACAM3	F2RL2	TNFRSF14	PDE4DIP	HS3ST3A1
CDH4	CCDC102B	CEBPE	FABP4	TRPC3	PHLDA1	HSPA12A
CDKL1	CCDC68	CEECAM1	FAM26E	TSHZ1	PIK3IP1	HSPB2
CDX2	CCDC92	CENTB5	FCRLB	YAF2	PIK3R1	IER5L
CEECAM1	CCDC96	CFH	FGF14		PLAC9	IGFBP3
CFH	CCT6B	CFHR3	FGF5		PLGLA1	IGFBP5

CFHR3	CD109	CGAT1_HUMAN	FGL2	PLP2	IL1RAPL1
CGAT1_HUMAN	CD274	CHD3	FOXD1	PLXNA3	INSR
CHD3	CD68	CLDN1	FRMD5	PPP1R15A	KCNIP3
CHRM2	CD82	CLEC14A	FSTL3	PPP2R5B	KCNJ8
CISH	CDH4	CLEC2B	GABRB1	PTGS1	KIAA1462
CLCF1	CDKL1	CLEC3B	GBP1	Q9BVM4_HUMAN	KIF26B
CLEC2B	CDX2	CNTN3	GBP3	RCN3	KIT
CLEC3B	CEECAM1	COL15A1	GBP7	RGAG4	KLF7
CLIP2	CFH	CPA4	GET1_HUMAN	RHOJ	LAMB3
CLIP4	CFHR3	CPEB2	GRIK2	SAMD14	LIN7A
CNTN3	CGAT1_HUMAN	CPNE7	GRPR	SCD5	LOXL4
COL15A1	CHD3	CRH	HHIP	SCML1	LRP11
CRAT	CIDEC	CRIP2	HIC1	SDSL	LRRC32
CST5	CLCF1	CRISPLD2	HIST1H2AC	SGCD	LSAMP
CTAG2	CLEC2B	CROT	HOP_HUMAN	SHC3	LTBR
CXorf6	CLEC3B	CSF1	HOXA2	SKAP2	LUM
CYBASC3	CLIP4	CST5	HRH1	SLC26A10	LY6E
DAAM2	CNTN3	CUL7	HTR2B	SLC9A9	MAP3K5
DCHS1	COL15A1	CYBASC3	IL15RA	SMPD1	MGAT5
DENND1B	CRAT	CYBRD1	IL1R1	SMTN	MLLT3
DENND4A	CST5	DACH2	IL21R	SOAT1	MLPH
DGKI	CTAG2	DDR2	IRF1	SP140	MMP1
DLX1	CXorf6	DENND1B	ITGA2	SPOCD1	MXRA5
DOCK10	CYBASC3	DGKA	ITGB3	SYTL2	NFIX
DPYD	DAAM2	DGKI	ITGBL1	TBX2	NID2
ECE1	DBNL	DIP2C	KALRN	TCEA3	NNMT
EDNRA	DCHS1	DLL4	KCNE4	TENC1	NP_001001991.1
EGFR	DENND1B	DNAH5	KIAA1199	TGFB1	NP_001018000.1
ENG	DENND4A	DNASE2	KIAA1946	TLN1	NP_079045.1
ENSG0000020353	DGKI	DOCK10	KIRREL3	TMCO4	NR2F1
ENSG0000020460	DLX1	DOK6	KRT34	TNFAIP3	NRG1
EPHB2	DNAH5	DPF3	KRTAP1-3	TNFRSF14	NRXN3
ERMAP	DOCK10	DPP4	LPXN	TRPC3	NTF3
EVC	DPYD	DPYD	LRRC15	TSHZ1	NTN4
EYA2	DUSP18	DRD1	LRRC2	WIPF1	NTNG2
EYA4	EGFR	DTX3L	LRRC32	YAF2	NUDT18
F10	EHD3	ECE1	LSAMP	ZEB2	NUPR1_HUMAN

FABP4	ENG	ECGF1	LTBR	OLFM2
FAM46C	ENSG0000018260	EDG1	LY96	OLFML2A
FAM69A	ENSG0000020353	EDNRA	MAML2	OXTR
FBXO4	ENSG0000020460	EGFR	MAP1A	PCDHB11
FGF14	ERMAP	ENG	MAP1LC3A	PCDHB7
FGF5	ESM1	ENSG0000017934	MDGA1	PDE8A
FGL2	EVC	ENSG0000020349	MLKL	PDGFRA
FKBP9	EXOC3	ENSG0000020353	MPP4	PDZK1
FMN2	EYA2	ENSG0000020460	MRC2	PID1
FOXF2	EYA4	EPHB2	MRVI1	PLAC9
FSTL3	F2RL2	EPS8	MYBL1	PLCE1
GALNT10	FABP4	ESM1	NACAD	PPARG
GALNT5	FAM26E	EVC	NAP5_HUMAN	PRDM1
GAS6	FAM46C	EVI1	NCAM2	PRRX1
GBAP	FAM69A	EVI5L	NCF2	PSG6
GBP1	FBLN5	F2RL2	NFIX	PSG8
GBP3	FBXO4	F7	NFKBIZ	PSG9
GBP7	FBXW8	FABP4	NKX3-1	PTGS1
GK3P	FGF14	FAM109B	NLRP1	Q4ZG65_HUMAN
GNS	FGF5	FAM26E	NOV	Q5J7V3_HUMAN
GPR155	FGF7	FAM46C	NPAS2	Q96NA9_HUMAN
GPR68	FGL2	FCRLB	NPR3	RAMP1
HCFC2	FILIP1L	FGF14	NPTX1	RARG
HEG1	FOXF2	FGF5	NP_001007190.1	RGS4
HHEX	FRY	FGL2	NP_001017534.1	RIN2
HIC1	FSTL3	FILIP1L	NP_001025035.1	RNF128
HIPK3	GALNS	FKBP9	NP_065805.1	RUNX2
HIVEP3	GALNT10	FKBP9L	NP_071745.1	SAMD11
HOXA2	GALNT5	FOSL1	NP_073574.1	SAMD5
HOXA4	GAS6	FOXD1	NP_079189.3	SCD5
HOXA7	GBAP	FSTL3	NP_976249.1	SEMA5A
HOXB3	GBP1	G6PD	NP_997263.1	SEMA6D
HOXB4	GBP3	GABRB1	NTSR1	SERPINB2
HOXB5	GBP7	GALNT6	O14513-3	SIM2
HPCAL1	GK	GBP1	OAF	SIX1
HR	GK3P	GBP3	OSMR	SLC15A3
HRH1	GLT8D2	GBP7	OSR2	SLIT2

HSPB6	GNS	GET1_HUMAN	P4HA3	SMAD9
HTR2B	GPR155	GK3P	PARD3B	SNAI2
IBRDC1	GPR68	GMPPA	PBLD	SP110
IDUA	GREM1	GOLGA2L1	PDE4DIP	SPHK1
IFI44	GREM2	GPR155	PDE8A	STK32B
IFIT2	HCFC2	GPRIN1	PDGFRL	STOM
IL10RB	HEG1	GRIK2	PIK3IP1	SVEP1
IL15RA	HHAT	HHEX	PIK3R3	TBC1D8B
IL1R1	HHEX	HHIP	PLA2G4C	TBX2
IL7R	HIC1	HIC1	PLCL1	TCEA3
ITGBL1	HIVEP3	HIPK3	PPARA	TCP11L2
KCNE4	HOXA2	HOP_HUMAN	PRKCE	TMEM166
KCNJ8	HOXA4	HOXA2	PRPH2	TMEM16A
KCNK2	HOXA7	HOXB3	PRR16	TMEM54
KCTD18	HOXB3	HRH1	PRSS3	TNFRSF19
KDELC2	HOXB4	HS3ST3B1	PSG1	TRPA1
KIAA0427	HOXB5	HTR2B	PSG2	TXNRD3
KIAA1107	HR	ICAM5	PSG9	VDR
KIAA1199	HRH1	IDUA	PTGER2	WIPF1
KIAA1683	HSPB6	IL15RA	PTGFR	XYLT1
KIAA1946	HTR2B	IL17D	PTRF	ZFPM2
KIRREL3	IBRDC1	IL1R1	Q587I5_HUMAN	ZNF179
KRT121P	ICAM1	IL21R	Q5H9U9_HUMAN	ZNF521
LAMA2	IDUA	IL7R	Q5J7V3_HUMAN	ZNF703
LAMA4	IFI44	IRF1	Q6ZSS2_HUMAN	
LMAN1L	IFIT2	ITGA2	Q7Z756_HUMAN	
LRRC23	IL10RB	ITGA4	Q96HG1_HUMAN	
LRRN3	IL15RA	ITGB3	Q9H8A7_HUMAN	
LTBP3	IL17RA	ITGBL1	RAB33A	
LTBR	IL1R1	KALRN	RBM43	
LY96	IL7R	KCNE4	RCN3	
LYST	INPP1	KCNJ2	RELN	
MAFF	ITGA2	KCNK2	RHOJ	
MAML2	ITGBL1	KCNMA1	RIN3	
MAP1A	ITPKA	KCNQ5	RRAD	
MDGA1	KCNE4	KCTD9	SAMD11	
MEGF9	KCNJ2	KIAA0427	SAMD9	

MGAT5	KCNK2	KIAA1199	SAMD9L
MOBKL2C	KCTD18	KIAA1377	SDPR
MPP4	KIAA0280	KIAA1946	SEMA3C
MR1	KIAA0427	KIFC3	SEMA7A
MRC2	KIAA1107	KIRREL3	SGIP1
MRVI1	KIAA1199	KLF2	SHC4
NAP5_HUMAN	KIAA1683	KLF4	SIM2
NCAM2	KIAA1946	KRT34	SIRPB1
NEGR1	KIRREL3	KRTAP1-3	SLC14A1
NFIC	KRT121P	LIF	SLC16A4
NFIX	KRTAP1-3	LPXN	SLC22A4
NID1	LMAN1L	LRCH2	SLC4A4
NOV	LOC440804	LRRC15	SMAD6
NPAS2	LOXL4	LRRC8C	SMPD1
NPR3	LRRC23	LRRK1	SNCAIP
NP_001001991.1	LRRC56	LRRN3	SOX9
NP_001004306.1	LRRN3	LTBP3	SPESP1
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NP_001017534.1	LTBR	LY96	SRGAP1
NP_001073948.1	LY96	LYST	SRGN
NP_065930.2	LYST	MAML2	SSPN
NP_071745.1	MAP1A	MAP1A	SSTR1
NP_079178.2	MAP3K12	MAP1LC3A	STARD5
NP_079189.3	MAP3K5	MAP3K12	SYTL3
NP_079425.2	MBD2	MDGA1	TBC1D8B
NP_085139.2	MDFIC	MEF2C	TBX5
NP_653323.1	ME3	MEGF9	TCEA3
NP_795372.1	MEGF9	MEIS1	TCF21
NP_955369.1	MGAT5	MEIS2	TCP11L2
NP_976249.1	MGLL	MIB2	TEF
NP_997263.1	MITF	MITF	TGFB11
NTF3	MMP1	MPP4	TGFBI
NUCB1	MOBKL2C	MRAS	TMEM130
NUMA1	MPP4	MRC2	TMOD2
NUPR1_HUMAN	MR1	MRVI1	TNFAIP6
O14513-3	MRC2	NACAD	TNFAIP8L3
OSMR	MRVI1	NAP5_HUMAN	TNFRSF19

OSR1	MSRB3	NCAM2	TNFSF4
OSR2	MXRA5	NEGR1	TRHDE
P4HA3	NAP5_HUMAN	NFIC	TRIM5
PAPPA	NCAM2	NLRP1	TRIM55
PARD3B	NEDD9	NO55_HUMAN	ULBP2
PBLD	NEGR1	NOV	VCAM1
PDE8A	NFIC	NPAS2	VEPH1
PDK2	NFIX	NPR3	WDR66
PIK3R1	NFKBIZ	NP_001004306.1	WFDC1
PITX1	NID1	NP_001017534.1	WNT16
PKD1	NMNAT1	NP_001025035.1	ZBTB20
PLA2G4C	NOV	NP_055654.2	ZFP28
PLAC9	NPAS2	NP_065805.1	ZFPM2
PLG	NPR3	NP_065930.2	ZNF25
PLSCR4	NP_001001991.1	NP_071745.1	ZNF503
POSTN	NP_001004306.1	NP_073574.1	ZNF568
PPARA	NP_001013739.1	NP_079189.3	ZNF818
PPARG	NP_001017534.1	NP_795372.1	ZNFX1
PPP2R5B	NP_001073948.1	NP_976249.1	
PRKCE	NP_055654.2	NP_997263.1	
PRPH2	NP_065930.2	NTRI_HUMAN	
PRRX1	NP_071745.1	NTSR1	
PTGER2	NP_079189.3	O14513-3	
PTGER4	NP_085139.2	OAF	
PTGFR	NP_653323.1	OSMR	
PTPLAD2	NP_795372.1	OSR1	
PTRF	NP_976249.1	OSR2	
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Q580R0-2	NRP2	PARD3B	
Q5H9U9_HUMAN	NT5E	PARVB	
Q68CW3_HUMAN	NTF3	PCDH7	
Q6XYE2_HUMAN	NTRI_HUMAN	PCDH9	
Q6ZSY1_HUMAN	NUPR1_HUMAN	PCYT2	
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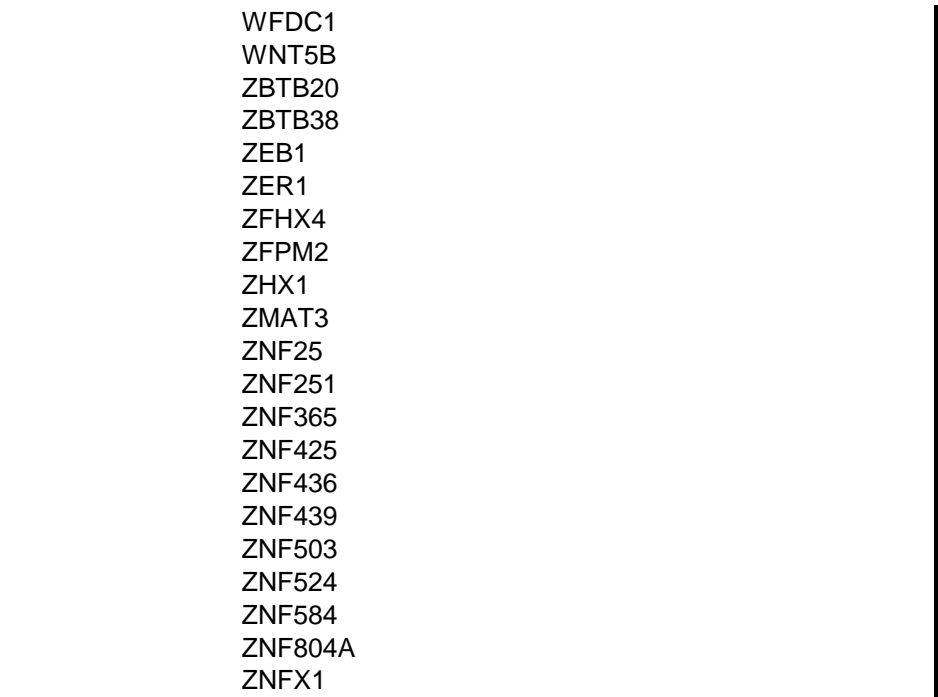
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Q9H8A7_HUMAN	PARD3B	PITX1
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RAB7L1	PCGF5	PLEKHN1
RAD21L1	PDK2	PPARA
RASL11A	PDZRN3	PPM1M
RBM43	PITX1	PRKCE
RELA	PKD1	PRR16
RELN	PLA2G4C	PRSS12
RFX2	PLCL1	PSG1
RGAG4	PLEKHA6	PSG2
RGS12	PLG	PSG5
RIN3	POSTN	PTGER2
RNASEL	PPARA	PTGFR
RNF152	PPARG	PTRF
RNF215	PQLC2	PXK
RUNDC2A	PRICKLE2	Q0VFW9_HUMAN
RUNX1	PRKCE	Q587I5_HUMAN
RUNX2	PRPH2	Q5H9U9_HUMAN
SAMD11	PRRX1	Q68CW3_HUMAN
SAMD5	PSG2	Q6XYE2_HUMAN
SAMD9	PSG6	Q6ZSS2_HUMAN
SAMD9L	PSG8	Q6ZSY1_HUMAN
SCN9A	PTGER2	Q7Z3M5_HUMAN
SCUBE2	PTGER4	Q7Z756_HUMAN
SDC3	PTGFR	Q86V40_HUMAN
SDPR	PTPLAD2	Q96HF5_HUMAN
SECTM1	PTRF	Q9HCM6_HUMAN
SERINC2	PVR	RAB33A
SGIP1	PXK	RAB3A
SHC4	Q4ZG65_HUMAN	RAD21L1
SHOX	Q580R0-2	RASL11A
SIM2	Q587I5_HUMAN	RBM24
SIRPB1	Q5J7V3_HUMAN	RBM43

SIRPB2	Q68CW3_HUMAN	RCN3
SIRT2	Q6XYE2_HUMAN	RELN
SIX1	Q6ZP74_HUMAN	RFX2
SLC13A2	Q6ZSY1_HUMAN	RIN3
SLC14A1	Q7Z3M5_HUMAN	ROM1
SLC16A7	Q8N8S4_HUMAN	SAMD9
SLC17A4	Q8NBC0_HUMAN	SAMD9L
SLC22A4	Q8TEB0_HUMAN	SCN9A
SLC4A4	Q96HG1_HUMAN	SCUBE2
SLFN11	Q96NU5_HUMAN	SDC3
SLFN5	Q9BR82_HUMAN	SDPR
SMAD6	Q9H8A7_HUMAN	SEMA3C
SMAD9	Q9HCM6_HUMAN	SERINC2
SMPD1	RAB7L1	SERPINB7
SNED1	RAD21L1	SGCD
SOX9	RASL11A	SGIP1
SPESP1	RBM43	SH3YL1
SPHK1	RELN	SHC4
SPOCD1	RFX2	SIRPB1
SRGN	RGS20	SIRPB2
SSPN	RIN2	SLC14A1
STAMBPL1	RIN3	SLC16A4
STARD13	RNASEL	SLC16A7
STIM1	RNF152	SLC1A4
STK32B	RNF185	SLC22A4
SYDE1	RNF215	SLC38A4
SYT15	ROM1	SLC4A4
SYTL3	RRAD	SLFN5
SYTL4	RUNDC2A	SMAD6
TACR2	RUNX1	SMAP1L
TBC1D8B	RUNX2	SMPD1
TBX2	SAMD11	SNCAIP
TBX5	SAMD5	SNTB1
TCEA3	SAMD9	SOX9
TCF21	SAMD9L	SPESP1
TCP11L2	SCN9A	SRGAP1
TGFB111	SCUBE2	SRGN

TGFB1	SDC3	SSPN
THSD4	SDPR	ST3GAL5
TK2	SEL1L	STAM2
TMCO4	SERINC2	STARD13
TMEM142C	SERPINB8	STARD5
TMEM16A	SETD7	STK17B
TMEM65	SGIP1	STS1_HUMAN
TNFSF4	SHC4	SYT15
TNS1	SHOX	SYTL3
TP53INP2	SIM2	TBX3
TPP1	SIRPB1	TCF21
TRIM38	SIRPB2	TEF
TRPA1	SIRT2	TENC1
TTLL1	SIX1	TGFB111
UBE3B	SLC13A2	TGFB1
USP40	SLC14A1	THSD4
VCAM1	SLC16A4	TMCO4
VDR	SLC16A7	TMEM130
WFDC1	SLC22A4	TMOD2
WIPF1	SLC4A4	TNFAIP8L3
WNT5B	SLC8A1	TNFRSF10D
ZBTB20	SLFN11	TNFSF4
ZBTB38	SLFN5	TNS1
ZEB1	SMAD6	TP53INP2
ZER1	SMAD9	TRHDE
ZFHX4	SNED1	TRIM38
ZFPM2	SOX9	TRIM55
ZNF25	SPESP1	TRIM7
ZNF251	SPHK1	TTLL7
ZNF343	SQRDL	UAP1L1
ZNF436	SRGN	ULBP2
ZNF439	SSPN	UNC84B
ZNF503	ST3GAL5	USP40
ZNF584	STAMBPL1	VCAM1
ZNF800	STARD13	VEPH1
ZNF804A	STIM1	VPS37D
	STK32B	WDR66

STS1_HUMAN	WFDC1
SYDE1	WNT16
SYTL3	WNT5B
SYTL4	ZBTB20
TBC1D8B	ZBTB7A
TBX3	ZEB1
TBX5	ZFAND2B
TBXAS1	ZFP28
TCF21	ZMAT3
TCP11L2	ZMAT5
TGFB111	ZNF25
TGFBI	ZNF343
TIGD6	ZNF439
TK2	ZNF440
TMEM142C	ZNF491
TMEM166	ZNF804A
TMEM16A	ZNF818
TMEM173	ZNFX1
TMOD2	
TNFAIP6	
TNFRSF11B	
TNFSF4	
TNS1	
TP53INP2	
TPP1	
TRIM38	
TRPA1	
TSPAN9	
TTLL1	
TTLL7	
TULP3	
UBE3B	
USP40	
VCAM1	
VDR	
VEPH1	
WDR66	

WFDC1
WNT5B
ZBTB20
ZBTB38
ZEB1
ZER1
ZFHX4
ZFPM2
ZHX1
ZMAT3
ZNF25
ZNF251
ZNF365
ZNF425
ZNF436
ZNF439
ZNF503
ZNF524
ZNF584
ZNF804A
ZNFX1



Abnormally Silencing retained (Fig. 2c)

MP4	MR46	MR45	MP2	MP4
A4GALT	AATK	AATK	ADAM20	A1L162_HUMAN
ABCA1	ARC	ARC	ADAMTS9	ABHD12B
ABTB2	C1orf61	C1orf61	ANGPT2	ACTA1
ADAM12	C21orf90	C21orf90	ANKRD21	ADAM20
ADAM23	C9orf131	C9orf131	APOA1	ADAMTS19
ADAMTS12	CCDC35	CCDC35	ARHGAP28	ADAMTS9
ADAMTS2	DEF6	CPT1B	ARHGEF6	ADCY2
ADAMTS5	DKK4	DEF6	ARSE	ADD2
ADRA1B	EPHA2	DKK4	BMP2	AIF1
AFAP1L1	GSTT1	EBI3	BMP4	ALPL
AHNAK2	HB25_HUMAN	EPHA2	BMP6	ANKRD21
AK5	HLA-DQB2	FZD10	C1orf61	AP1M2
ALDH1A3	HLA-DRB5	GLT1D1	C1orf94	APOA1
ALPK2	LDHC	GSTT1	C21orf129	ARHGAP28
ALS2CR16	NXF3	HB25_HUMAN	C9orf131	ARHGAP9
AMOT	PLAC1	HLA-DQB2	CCDC35	ARRB1
AMPD3	Q8N8T8_HUMAN	HLA-DRB5	CD48	ARSE
ANPEP	SERHL_HUMAN	LDHC	CITED1	ASB9
AP3B2	SGCA	NXF3	CNTNAP3	ASPHD2
AREG	SLC5A9	PLAC1	CPAMD8	ATP1A2
ARHGAP24	SMPX	Q8N8T8_HUMAN	CSAG2	ATP8B3
ARHGAP29	STARD8	SERHL_HUMAN	CSF1R	AXIN2
ARHGDIB		SGCA	CST1	B3GAT1
ARNTL2		SLC5A9	CST2	BCL2L14
ATHL1		SMPX	DIO3	C10orf82
AYTL1		STARD8	DKK4	C13orf18
BACE2			DPYSL5	C14orf115
BCL6			ENSG00000196525	C19orf33
BDKRB1			FAM20A	C1orf172
BDKRB2			FANK1	C1orf34
BDNF			FOXD2	C1orf61
BFSP1			FREM1	C1orf94
BGN			FZD10	C20orf103
BHLHB3			G0S2	C20orf46
BMF			GABRE	C20orf54

BNC2
BST1
BTN3A2
C10orf114
C10orf33
C11orf69
C14orf37
C16orf30
C1orf51
C3orf59
C8orf42
C9orf121
C9orf125
CA12
CACNA1H
CAMK4
CARD6
CCDC80
CCND2
CDC14C
CDH13
CDKL5
CDKN2B
CDO1
CEACAM1
CHRM2
CHST3
CNIH3
CNN1
CNTN2
COL12A1
COL13A1
COL16A1
COL1A2
COL4A6
COL5A1
COL6A2

GATA4
GCNT1
GGTLA4
GJA4
GLT1D1
GRP
GSTT1
H19
HAPLN1
HB25_HUMAN
HLA-DQB2
HLA-DRB5
HLXB9
HOXB9
HOXD10
HP
HPR
IGSF21
IRX2
KCNJ16
KCNK12
KIAA1772
LAMA1
LDHC
LGI2
LHX6
MAF
MAGEA6
MAPK10
MIXL1
MYL4
MYOM2
NEFL
NLRP2
NPPA
NSG1_HUMAN
O75264_HUMAN

C21orf129
C21orf63
C21orf90
C6orf117
C6orf59
C8orf47
C9orf129
C9orf131
C9orf135
C9orf61
CA8
CACNG6
CADPS
CALB1
CAMTA1
CAPN12
CARD11
CASP10
CCKBR
CCL26
CCR7
CD3D
CD48
CD52
CD53
CD70
CD86
CDH1
CDH3
CELSR2
CER1
CFP
CGN
CH25H
CHODL
CHRD1
CHST8

COLEC12
CPEB2
CRIP2
CRLF1
CRYAB
CTTNBP2
CXCL12
CXorf6
DAB2IP
DENND2A
DIRAS1
DKK1
DKK3
DNAH5
DPP4
DPYSL4
DTX3L
DUSP10
ECE1
EDN1
EGFR
EHD2
ELK3
ELTD1
ENDOD1
ENSG00000169549
ENSG00000180672
EPAS1
EPHB2
ETS1
ETV6
EYA2
F10
FAM113B
FAM114A1
FAM129A
FAM46C

OLFM1
OTX2
PCDHB2
PDZD4
POU4F1
PPAPDC1A
PPFIA4
PRAME
PRTG
Q9NWP0_HUMAN
RSPO3
SCG2
SEMA5B
SERHL_HUMAN
SHC2
SLCO2A1
SMPX
SPAG4
SPIB
SPRR3
SYTL5
TBX1
TFF1
THBD
TLE2
TLR4
TMEM132B
VAV1
WNT3A
ZAP70

CITED1
CKMT1A
CLDN6
CNTNAP2
CNTNAP3
COBL
CPNE8
CPT1B
CRHBP
CRYM
CST1
CST2
CXCL14
CXXC4
CXorf50
CYP26A1
CYP2S1
DAZL
DBC1
DEF6
DIO3
DKK4
DLEC1
DLK1
DMKN
DOCK8
DPYSL5
DSC2
DYSF
EBI3
EEF1A2
EGLN3
EIF4E3
EMID2
ENPP4
ENSG00000187849
ENSG00000196525

FAM59A
FAM69A
FAM79A
FAS
FBLN2
FBXO44
FER1L3
FGF1
FLJ90086
FLNC
FLRT3
FMN2
FMOD
FOXF1
FOXF2
GABBR2
GALNT10
GALNT5
GALNT6
GAS6
GATA6
GLI1
GLT25D2
GLT8D2
GLT8D4
GPR124
GPR176
GPR30
GPR37
GPR56
GPRIN1
GREM1
GREM2
HAS2
HBEGF
HEG1
HEPH

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EPA1
ERC2
EXOC3L
FAAH2
FAM110C
FAM57B
FAM77C
FAM83F
FGF18
FILIP1
FOLR1
FOXA2
FOXA3
FREM1
FRMD4B
FXD6
FZD3
GABRE
GAD1
GAL3ST1
GALNT14
GAP43
GATA4
GBX2
GDAP1L1
GGT1
GGTLA4
GJA4
GLYATL1
GNA14
GNAL
GPC3
GPR160
GPR64
GPR98

HSPB2
HSPB8
ICAM1
ID4
IFI16
IGFBP3
IGFBP4
IGFBP5
IL15
IL17RA
IL17RC
IL1RAPL1
IL32
IL6
INA
INSR
ITGA3
ITGA6
K1576_HUMAN
KCNG1
KCNN2
KCNS3
KCTD1
KIAA1462
KIF26B
KIFC3
KIT
KLF7
KLF9
KLHL13
KRT19
KRT80
LAMB3
LDB2
LIF
LOXL4
LRP1

GPRIN2
GRB7
GRIA3
GRIK5
GRP
GSC
GSTT1
H19
HAS3
HB25_HUMAN
HCN3
HERC5
HERC6
HLA-DPA1
HLA-DQB2
HLA-DRB5
HOMER2
HOXB9
HOXD10
HP
HPR
HRASLS2
IBRDC2
IGSF21
IGSF9
IL17RD
INADL
IQCA
IQGAP2
IRX2
IRX5
ITGA9
ITGB1BP3
ITLN2
ITM2A
ITPKB
JPH3

LRP11
LRRC17
LUM
LUZP1
LXN
MAGI3
MAMDC2
MAP3K5
Mar-04
MATN2
MFAP4
MGST2
MLPH
MMP1
MMP2
MMP23A
MOXD1
MT1JP
MT1M
MYO10
NAV2
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NP_009007.2
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NP_079045.1
NP_079117.2
NP_795372.1
NR1D2
NRIP3
NRP2

KCNE1L
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KCNK12
KCNQ2
KCTD14
KIAA1324L
KIAA1772
KIAA1822L
KIF1A
KIF21A
KLF8
KLKB1
LAMA5
LCK
LEFTY1
LEFTY2
LEMD1
LGALS12
LIN28
LIPG
LOC402665
LOC440338
LONRF3
LRRN1
LTB
M3KL4_HUMAN
MAF
MANEAL
MAOA
MAP2K6
MASP2
MATN4
MDFI
MFNG
MLRS_HUMAN
MMP25
MMP9

NRXN3
NR_001296.2
NT5E
NTNG2
NTRI_HUMAN
NUAK2
NUDT18
NUPR1_HUMAN
NXN
OLFM2
OLFML2A
OLFML3
OXTR
PAPPA
PAPSS2
PARP9
PCDHB11
PCGF5
PDE5A
PDLIM1
PDLIM3
PDZK1
PEG3
PHLDA1
PIK3CD
PLAC9
PLCB4
PLCE1
PLSCR4
PLXDC2
PLXNA3
PPARG
PPP1R3C
PRDM1
PREX1_HUMAN
PRICKLE2
PRRX1

MREG
MT1F
MYL4
MYL7
MYO5B
MYO5C
NEBL
NEFL
NELL2
NFASC
NGFR
NGFRAP1L1
NHS
NLRP12
NLRP2
NLRP7
NNAT
NODAL
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NPPB
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NP_061900.1
NP_073579.3
NP_115981.1
NP_116106.2
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NP_997329.1
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NR6A1
NTS
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OLFM1
OTX2
OVOL2
PADI2
PCDH1

PRSS1
PRSS35
PSG6
PSG8
PSMB8
PTGS1
PTN
PXDN
PYCARD
Q4ZG65_HUMAN
Q6ZP74_HUMAN
Q6ZV04_HUMAN
Q86V40_HUMAN
RAB3A
RAB7L1
RAD21L1
RALGPS2
RAMP1
RASA3
RASAL2
RASGRF2
RASSF4
RBM24
RGS4
RIN1
RNF152
RNF182
ROR1
RORA
RPS6KA6
RTN2
S100A3
S100A4
SALL1
SAMD3
SDSL
SERINC2

PCDHA10
PCDHA5
PCYT1B
PDE3B
PDZD4
PF4
PIPOX
PKP2
PLA2G3
PLAC1
PLEKHH1
PLP1
POMC
POT15_HUMAN
POU4F1
PPFIA4
PPFIBP2
PPL
PPM1J
PPP1R1A
PPP2R2C
PRDM14
PRKCH
PROM1
PRSS8
PRTG
PTCHD1
PTGIS
PTP4A3
PTRZ1
PUNC
PVRL1
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Q7Z5Z9_HUMAN
Q8N503_HUMAN
Q8N819_HUMAN
Q96GK3_HUMAN

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SERPINB7
SERPINE1
SERPINF1
SESN3
SG493_HUMAN
SHANK3
SHB
SHC3
SHROOM3
SIRPA
SIRPB2
SLC15A3
SLC16A14
SLC37A2
SLC4A8
SLC7A11
SLC7A14
SLC7A7
SLC9A7
SLCO3A1
SLFN5
SMAD7
SOCS1
SOCS3
SOD3
SP110
SP140
SPG3A
SPOCD1
SSBP3
STAT6
STC1
STC2
STEAP2
STS1_HUMAN
SYT1

Q96SQ3_HUMAN
Q9BYA7_HUMAN
RAB17
RAB20
RAB25
RASGRP2
RBM35A
REGL
RET
RGMA
RIMS2
RIMS4
RIPK4
RNF175
RTP1
SALL3
SCAMP5
SCG3
SELV_HUMAN
SEMA5B
SERHL_HUMAN
SERINC5
SERPINI1
SFN
SGCA
SHC2
SLC1A3
SLC5A9
SLC7A8
SLCO2A1
SMPX
SOHLH2
SORBS1
SOX13
SPAG4
SPIB
SPINK5

SYTL2
TAP1
TBC1D2
TBX3
TEK
TENC1
TFPI
TGFB2
THBS2
TIMP3
TMCO4
TMEM142C
TMEM16A
TMEM22
TMTC1
TNFRSF14
TNS1
TRAF3IP2
TRIM22
TRPA1
TRPC3
TSPAN5
TXNRD3
UBTD1
UNC5B
USP41
VDR
WNK4
WNT5B
XYLT1
ZEB1
ZMAT3
ZNF179
ZNF462
ZNF521
ZNF703

SPOCK2
SPON1
SPP1
SPRR3
STARD8
STMN2
STRA6
STX11
SYK
SYT17
SYT6
SYTL5
TBX1
TDGF3
TESC
TFF1
TFF3
THBD
TIMP4
TLE2
TLR4
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TMEM132B
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TMEM154
TMEM28
TNFRSF10C
TNIK
TNS4
TRIM36
UNC5D
VAV1
VAV3
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WFDC2
WFIKKN1
WNK3

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ZIC3
ZIC5
ZNF423
ZSWIM5