

Annotations for all recurrently lost regions

cytoband	1p36.12	3p14.2	3q13.13
q value		0,01352	0,1513
residual q value		0,01352	0,1513
wide peak boundaries	chr1:23457835-23714048	chr3:60396160-60637030	chr3:110456383-110657226
genes in wide peak	E2F2 ID3 TCEA3 DDEFL1	FHIT	DPPA4 DPPA2

4p15.32	4q13.1	4q13.1 (continued)	6q14.1
	0,14888	0,17878	0,093693
	0,14888	0,17878	0,093693
chr4:17969802-29966659	chr4:55756035-90966136		chr6:76830186-107898353
CCKAR	AFM	SEC31A	AIM1
DHX15	AFP	RUFY3	BCKDHB
RBPSUH	ALB	WDFY3	PRDM1
SOD3	AMBN	LPHN3	CCNC
SLIT2	ANXA3	DKFZP564O0823	CGA
SLC34A2	AREG	RCHY1	CNR1
PPARGC1A	ART3	ANKRD17	EPHA7
KIAA0746	BMP3	BRDG1	GABRR1
ANAPC4	BTC	SMR3A	GABRR2
SLA/LP	CCNG2	ASAH1	GRIK2
LGI2	SCARB2	COQ2	HTR1B
TBC1D19	CDS1	SULT1B1	HTR1E
PI4K2B	CENPC1	TMPRSS11E	IMPG1
STIM2	CSN1S1	MRPS18C	ME1
GBA3	CSN2	COPS4	NT5E
KCNIP4	CSN3	HSD17B11	PGM3
DKFZp761B107	DCK	HERC5	POU3F2
C4orf28	DMP1	PLAC8	PREP
GPR125	DSPP	NUDT9	SIM1
FLJ45721	EPHA5	NUP54	ELOVL4
hsa-mir-218-1	EREG	UGT2B28	MAP3K7
	FGF5	ODAM	TPBG
	GC	HERC6	TTK
	GK2	SDAD1	RNGTT
	GNRHR	UBE1L2	TBX18
	CXCL1	BMP2K	HMG3
	CXCL2	SEPT11	FHL5
	CXCL3	EXOC1	ATG5
	GRSF1	TMEM165	SNAP91
	HNRPD	MEPE	CASP8AP2
	HTN1	PRDM8	SYNCRIP
	HTN3	SAS10	SLC35A1
	IBSP	KLHL8	FUT9
	IGFBP7	SHROOM3	PNRC1
	IGJ	MASA	ASCC3
	IL8	PROL1	BVES
	CXCL10	MRPL1	KIAA1009
	KDR	SRD5A2L	ANKRD6
	CXCL9	THAP9	DOPEY1
	AFF1	UGT2A3	MDN1
	MUC7	SCD5	KIAA0776
	NKX6-1	FRAS1	ORC3L
	PF4	ARHGAP24	C6orf111
	PF4V1	CCDC98	IBTK
	PKD2	C4orf14	FBXL4
	POLR2B	HOP	C6orf66
	PPEF2	MAG1	CYB5R4
	PPAT	PIGY	C6orf203
	PPBP	C4orf35	UBE2J1
	PRKG2	YTHDC1	COQ3
	MAPK10	MOBK1A	PHIP
	PTPN13	HEL308	C6orf166
	REST	ANTXR2	QRSL1
	CXCL6	LIN54	FAM46A
	CXCL11	TMPRSS11B	RARSL
	CXCL5	ARL9	PDSS2
	SPINK2	AASDH	C6orf162
	SPP1	PDCL2	LYRM2
	SRP72	C4orf36	SNX14
	STATH	PAQR3	HACE1
	SULT1E1	THAP6	KIAA1553
	UGT2B4	C4orf26	RRAGD
	UGT2B7	PPM1K	PRDM13
	UGT2B10	RASGEF1B	BACH2
	UGT2B15	TIGD2	POPDC3
	UGT2B17	RASSF6	MANEA
	SPARCL1	CNOT6L	GPR63
	VDP	SRD5A2L2	SPACA1
	SLC4A4	C4orf22	SH3BGRL2
	HERC3	EPGN	MCHR2
	GENX-3414	C4orf7	C6orf168
	CDKL2	NAP1L5	CX62
	TMPRSS11D	GPRIN3	RTN4IP1
	ABCG2	COX18	USP45
	ADAMTS3	FLJ25770	C6orf157
	CLOCK	TMPRSS11A	C6orf117
	CEP135	ANKRD56	RWDD2

G3BP2
HNRPDL
ENAM
FAM13A1
CXCL13
PAICS
UGT2B11
HPSE
NMU
SMR3B
NPFFR2
UGT2A1
CCNI

SLC10A6
HSD17B13
TMPRSS11F
CHR415SYT
LOC401137
AMTN
C4orf11
MTHFD2L
FLJ12993

KLHL32
C6orf159
IRAK1BP1
ACY1L2
SRrp35
C6orf165
PRSS35
C6orf152
C6orf167
GJB7
LIN28B
U50
U50B

7q11.22	9p21.3	10p11.21	10q24.1	10q24.1 (cont)
	0,14888	0,12702	0,22102	0,1513
chr7:66573850-67281794 [TYW1]	0,14888	0,12702	0,22102	0,1513
	chr9:1-25209549	chr10:36983732-37133784 [ANKRD30A]	chr10:1-135413628	
	ADFP		ACADSB	ABLIM1
	CDKN2A		ACTA2	LIPA
	CDKN2B		ADAM8	MAT1A
	DMRT1		ADARB2	MBL2
	ELAVL2		ADD3	MGMT
	FOXD4		ADK	MKI67
	MLANA		ADRA2A	MRC1
	GLDC		ADRB1	MSMB
	IFNA1		ALOX5	MXI1
	IFNA2		ANXA8	NDUFB8
	IFNA4		ANK3	NFKB2
	IFNA5		ANXA7	NODAL
	IFNA6		ANXA11	NRAP
	IFNA7		FAS	OAT
	IFNA8		ARL3	P4HA1
	IFNA10		ATP5C1	PAX2
	IFNA13		BM11	PCBD1
	IFNA14		BMPR1A	PDE6C
	IFNA16		BNIP3	PFKFB3
	IFNA17		CACNB2	PFKP
	IFNA21		CALML3	PGAM1
	IFNB1		CAMK2G	PHYH
	IFNW1		CASP7	PIP5K2A
	INSL4		ENTPD1	PITX3
	JAK2		CDC2	PLAU
	MLLT3		CHAT	PNLIP
	MTAP		AKR1C4	PNLIPRP1
	NFIB		CHUK	PNLIPRP2
	PTPRD		ABCC2	PPA1
	RFX3		COL13A1	PPP1R3C
	RLN1		COL17A1	PPP3CB
	RLN2		KLF6	PPYR1
	RPS6		MAP3K8	PRF1
	SH3GL2		COX15	PRG1
	SLC1A1		CPN1	PRKCQ
	SMARCA2		CREM	PRKG1
	SNAPC3		CTBP2	MAPK8
	TYRP1		CYP2C19	HTRA1
	VLDLR		CYP2C8	PSAP
	MPDZ		CYP2C9	PSD
	CER1		CYP2C18	PTEN
	KIAA0020		CYP2E1	PTPRE
	RCL1		CYP17A1	ALDH18A1
	DMRT2		CYP26A1	RBP3
	RRAGA		AKR1C1	RBP4
	PSIP1		AKR1C2	RET
	INSL6		DMBT1	RGR
	JMJD2C		DNA2L	RGS10
	ANKRD15		TRDMT1	RPS24
	SLC24A2		DNTT	RSU1
	RANBP6		DOCK1	SCD
	CD274		DUSP5	CXCL12
	AK3		ECHS1	SFRP5
	BNC2		EGR2	SFTPA1
	FAM29A		EIF4EBP2	SFTPA2
	C9orf39		EMX2	SFTPD
	KIAA1797		ERCC6	FBXW4
	C9orf68		FGF8	SLC18A2
	CDC37L1		FGFR2	SLC18A3
	DENND4C		GAD2	SLIT1
	C9orf46		GATA3	SNCG
	CBWD1		GDF2	SUPV3L1
	KLHL9		GDF10	SVIL
	KIAA1432		GDI2	TACR2
	DMRT3		GFRA1	TAF5
	DMRTA1		GLUD1	TCF7L2
	KIAA1815		GOT1	TCF8
	PDCD1LG2		PRLHR	TECTB
	DOCK8		GPR26	TFAM
	TPD52L3		GRK5	TIAL1
	IL33		GRID1	TLL2
	C9orf123		HABP2	UBE2D1
	ADAMTSL1		HELLS	UROS
	UHRF2		HHEX	VCL
	C9orf66		HK1	VDAC2
	C9orf52		HMX2	VIM
	C9orf138		HNRPF	WNT8B

FREM1
KIAA2026
KCNV2
GLIS3
C9orf93
C9orf150
IFNE1
ZDHHC21
ASAH3L
PTPLAD2
PPAPDC2
LOC648570
hsa-mir-101-2
U92
hsa-mir-491
hsa-mir-31

HNRPH3
TLX1
HPS1
HTR7
IDE
IDI1
IFIT2
IFIT1
IFIT3
IL2RA
IL15RA
INPP5A
ITGB1
ITIH2
KCNMA1
KIF5B
KIF11

XPNPEP1
ZNF22
ZNF32
ZNF33A
ZNF33B
ZNF37A
STAM
MLLT10
CUBN
CCDC6
NCOA4
SLC25A16
SHOC2
ADAM12
ZNF239
FZD8
UTF1
CUL2
PARG
NDST2
LIPF
ITGA8
PRPF18

10q24.1 (cont)	10q24.1 (cont)	10q24.1 (cont)	10q24.1 (cont)	10q24.1 (cont)
AKR1C3	RRP12	FAM45B	LYZL1	C10orf9
EIF3S10	DNAJC9	TDRD1	KIAA1914	PLEKHK1
GBF1	DNMBP	KIAA1217	PLA2G12B	C10orf27
NRP1	CSTF2T	PARD3	MYPN	ATOH7
LDB1	FRAT2	DNAJC12	C10orf33	ZNF438
CDC123	SIRT1	ASAH2	USMG5	SLC16A9
SGPL1	COMMD3	BCCIP	ZNF503	FAM13C1
BTRC	MYST4	PEO1	AIFM2	MARCH8
CH25H	TSPAN15	SAR1A	C10orf22	C10orf25
PKD2L1	GTPBP4	TM9SF3	FBXO18	ZNF485
BTAF1	PDSS1	PRTFDC1	ATAD1	RASGEF1A
PAPSS2	IFIT5	ENTPD7	PLXDC2	CCDC7
INA	BAMBI	CAMK1D	MASTL	REEP3
PDLIM1	RP11-529I10.4	ZMIZ1	ARHGAP19	JMJD1C
SMC3	SEC31B	ZNF248	RBM17	C10orf49
NEURL	NUDT13	AS3MT	KNDC1	C10orf111
BUB3	UPF2	GPR158	KIAA1754	C10orf38
DDX21	ATRNL1	STAMBPL1	CCDC109A	SLC39A12
PTPLA	HERC4	ARHGAP21	ANKRD30A	NSUN6
LG11	PTPN20B	GPAM	ACBD5	ARL5B
NOLC1	C10orf137	KIAA1598	IDI2	C10orf30
DLG5	LRRC21	KIAA1600	MTG1	IPMK
PTER	C10orf61	SFMBT2	PCDH21	FAM21C
NMT2	KIAA1279	SEMA4G	FANK1	EBF3
GSTO1	C10orf12	ARHGAP22	TMEM10	C10orf47
CHST3	ANKRD2	MYOZ1	SYCE1	FAM26C
BAG3	CNNM1	PLEKHA1	ANUBL1	C10orf93
VPS26A	FER1L3	AVPI1	ARHGAP12	PTF1A
MINPP1	AP3M1	HPSE2	OPN4	TCERG1L
SPAG6	ANKRD1	C10orf84	C10orf65	C10orf67
MPHOSPH1	GHITM	CDH23	UCN3	HSPA12A
SEC24C	KIAA1274	LHPP	SORCS1	TMEM23
SH3PXD2A	PDCD4	PBLD	C10orf71	PGBD3
FAM53B	VENTX	NPFFR1	PRAP1	C10orf53
USP6NL	C10orf28	C10orf54	ZNF511	C10orf125
GPRIN2	POLL	MMS19L	CHCHD1	C10orf39
SLK	CTNNA3	DNAJC1	ZMYND17	STK32C
BMS1L	BLNK	NOC3L	TTC18	BLOC1S2
SPOCK2	ACF	IKZF5	C10orf90	MKX
ZNF518	NRBF2	DCLRE1C	BTBD16	GPR120
RHOBTB1	KCNIP2	ZDHHC6	FAM24A	KCNK18
DCLRE1A	CUZD1	PCDH15	C10orf89	ST8SIA6
ABI1	DRD1IP	CUEDC2	ZNF488	DUPD1
FRAT1	NEUROG3	DDX50	PIK3AP1	CYP26C1
PPIF	ASCC1	FBXL15	C10orf83	VWA2
ACTR1A	EXOSC1	OR13A1	ZFYVE27	NANOS1
OPTN	MRPS16	C10orf76	MMP21	LRRC22
NET1	FAM26B	SUV39H2	COMTD1	AKR1CL1
SMNDC1	CUTC	C10orf68	C10orf4	LOC340843
NPM3	HSPA14	ECHDC3	ANKRD22	TUBB8
CBARA1	PLCE1	ASB13	SFXN2	LRRTM3
TIMM23	DUSP13	HPS6	PDZD8	PTCHD3
NEBL	WAC	MMRN2	CTGLF1	NHLRC2
PITRM1	GALNAC4S-6ST	TMEM180	C10orf32	C10orf96
TXNL2	SUFU	TUBAL3	LYZL2	C10orf113
RPP30	ACSL5	C10orf119	GSTO2	FLJ45187
RPP38	CALML5	THNSL1	C10orf78	LOC387646
DPYSL4	PANK1	SYNPO2L	CLRN3	LOC387680
TACC2	FXYD4	C10orf95	C10orf104	SH2D4B
SORBS1	MYO3A	C10orf81	PNLIPRP3	C10orf99
SPFH1	KIAA1128	PDZD7	SFXN4	SLC16A12
CUGBP2	APBB1IP	OBFC1	CPXM2	C10orf130
LBX1	ANKRD16	C10orf88	ADAMTS14	LOC389936
NRG3	EXOC6	C10orf97	C10orf129	C1QL3
MGEA5	FAM35A	UBTD1	SAMD8	LOC399706
YME1L1	DDIT4	BICC1	LIPL1	FLJ45983
ZMYND11	CCNJ	C10orf57	TRUB1	C10orf114
TUBGCP2	MARCH5	HKDC1	MPP7	LOC399744
PRDX3	ZRANB1	C10orf79	FRMPD2	C10orf120
C10orf116	C10orf92	CXXC6	VTI1A	LOC399818
VAX1	NSMCE4A	LRRC27	DYDC1	FLJ46831
C10orf10	DNAJB12	EPC1	HECTD2	FLJ46300
ATE1	CNNM2	TNKS2	FGFBP3	FLJ44653
POLR3A	C10orf26	ITIH5	C10orf82	C10orf132
ZWINT	C10orf118	TRIM8	C10orf46	C10orf85
LDB3	CRTAC1	TSPAN14	USP54	FAM45A
NUDT5	ARMC4	KAZALD1	NKX2-3	ACBD7

SEC23IP	PAPD1	SFXN3	TMEM20	C10orf62
ECD	CEP55	SLC25A28	C10orf80	CTGLF3
RAB11FIP2	SEC61A2	ELOVL3	FUT11	C10orf108
CPEB3	LRRC20	AKR1CL2	OIT3	C10orf55
ANKRD26	CWF19L1	FAM107B	C10orf91	MRC1L1
INPP5F	OLAH	CCDC3	PWWP2	LOC439985
WDR37	SLC29A3	MARVELD1	PPAPDC1A	IFIT1L
ZNF365	C10orf59	SYT15	C10orf72	ARMETL1
MSRB2	PI4KII	RASSF4	PAOX	LRRC18
SEPHS1	MCM10	C10orf11	LOC196752	SPRN
RAB18	GALNACT-2	PCGF6	FAM24B	LOC594834
DKK1	H2AFY2	ARID5B	PLAC9	NPS
KIN	DHTKD1	LOXL4	C10orf107	FLJ45557
DUX4	HIF1AN	ZDHC16	TMEM26	LIPL2
NT5C2	RUFY2	C10orf58	C10orf56	LOC644168
DIP2C	FRMD4A	DYDC2	C10orf63	PTPN20A
PDCD11	BRWD2	PCGF5	ARMC3	PDZK5B
SORCS3	C10orf6	GPR123	UNC5B	ANXA8L1
KIAA0913	CCAR1	LZTS2	STOX1	CTGLF4
WAPAL	OGDHL	PHYHIPL	C10orf35	RP11-564C4.2
PPRC1	DHX32	LCOR	TYSND1	CTGLF5
KIAA0157	PPP2R2D	NKX6-2	ZNF25	hsa-mir-511-1
LARP5	ZCD1	MRPL43	CX40.1	hsa-mir-511-2
				HBII-419
				hsa-mir-346
				hsa-mir-107
				U108
				hsa-mir-146b
				ACA19
				hsa-mir-202
				hsa-mir-202

11q24.2	0,085307	13q32.1	0,19589	17p13.1	0,01352	18p11.31	0,093693
	0,085307		0,19589		0,01352		0,093693
chr11:122263650-134452384		chr13:96008275-114142980		chr17:9125548-9654733		chr18:7079886-7359571	
ACRV1		ATP4B		STX8		LAMA1	
APLP2		COL4A1		USP43			
CHEK1		COL4A2		WDR16			
ETS1		EBI2					
FLI1		EFNB2					
HSPA8		ERCC5					
STT3A		F7					
KCNJ1		F10					
KCNJ5		FGF14					
LOH11CR2A		GAS6					
NFRKB		GPR18					
NRGN		ING1					
OPCML		RANBP5					
ST3GAL4		LAMP1					
SRPR		LIG4					
ST14		PCCA					
ZNF202		RAP2A					
BARX2		GRK1					
EI24		SLC10A2					
FEZ1		SLC15A1					
RICS		SOX1					
ADAMTS8		TFDP1					
NCAPD3		TPP2					
VSIG2		ZIC2					
OR8G2		STK24					
OR8B8		CUL4A					
OR8G1		IRS2					
OR8B2		PROZ					
ACAD8		ARHGEF7					
B3GAT1		CDC16					
DCPS		ITGBL1					
ZBTB44		TM9SF2					
THYN1		MBNL2					
DDX25		FARP1					
HNT		TUBGCP3					
CDON		TNFSF13B					
SPA17		RASA3					
SIAE		MYR8					
ROBO4		ATP11A					
FOXRED1		MCF2L					
SCN3B		DOCK9					
PRDM10		OXGR1					
PKNOX2		BIVM					
P53AIP1		TMCO3					
ROBO3		FLJ10154					
FAM118B		DCUN1D2					
C11orf61		ANKRD10					
ASAM		RAB20					
C11orf63		FLJ10769					
CCDC15		PCID2					
PUS3		UPF3A					
JAM3		KDELC1					
KIRREL3		FLJ12118					
RPUSD4		GRTP1					
TBRG1		TMTC4					
LOC89944		ABHD13					
ESAM		ZIC5					
VPS26B		C13orf27					
GLB1L3		ADPRHL1					
TIRAP		C13orf16					
PANX3		C13orf28					
TMEM45B		RNF113B					
PATE		CLYBL					
ADAMTS15		LOC196541					
C11orf45		VGCNL1					
HYLS1		HS6ST3					
LOC219854		DAOA					
SLC37A2		C13orf8					
OR8B12		PHGDHL1					
OR8G5		FAM70B					
OR10G8		FLJ26443					
OR10G9		FLJ41484					
OR10S1		LOC728215					
OR6T1							
OR4D5							
SPATA19							
HEPACAM							

OR8D1
OR8D2
OR8B4
C11orf44
PMP22CD
OR8D4
OR6X1
OR6M1
OR10G4
OR10G7
OR8B3
OR8A1
C11orf38
SNX19
C11orf37
HEPN1

18q21.32	19q13.42	20q13.2	Xp22.33	Xp11.3
	0,1513	0,085307	0,093693	0,0041891
	0,1513	0,085307	0,093693	0,0041891
chr18:55355976-76117153	chr19:58746599-59029391	chr20:49856082-50168587	chrX:1-1499465	chrX:1-154824264
BCL2	ZNF331	ZFP64	CSF2RA	ABCB7
CDH7	NLRP12		IL3RA	AGTR2
CYB5A	DPRX		SHOX	NR0B1
FVT1	hsa-mir-512-1		GTPBP6	ALAS2
GALR1	hsa-mir-512-1		PPP2R3B	ABCD1
MBP	hsa-mir-512-2		PLCXD1	AMELX
MC4R	hsa-mir-512-2			SLC25A5
NFATC1	hsa-mir-498			SLC25A6
SERPINB2	hsa-mir-520e			BIRC4
SERPINB5	hsa-mir-515-1			SHROOM2
SERPINB8	hsa-mir-515-1			AR
SERPINB10	hsa-mir-519e			ARAF
SERPINB13	hsa-mir-519e			ARHGAP4
PMAIP1	hsa-mir-520f			ARHGAP6
SERPINB3	hsa-mir-515-2			ARR3
SERPINB4	hsa-mir-515-2			STS
ZNF236	hsa-mir-519c			ARSD
SERPINB7	hsa-mir-519c			ARSE
TNFRSF11A	hsa-mir-520a			ARSF
CTDP1	hsa-mir-520a			ASMT
SOCS6	hsa-mir-526b			ATP2B3
VPS4B	hsa-mir-526b			ATP6AP1
TSHZ1	hsa-mir-519b			ATP7A
CD226	hsa-mir-519b			ATRX
TXNL4A	hsa-mir-525			AVPR2
ZNF508	hsa-mir-525			BGN
PHLPP	hsa-mir-523			BMX
PIGN	hsa-mir-523			BRS3
RTTN	hsa-mir-518f			BTK
KCNG2	hsa-mir-518f			CACNA1F
SALL3	hsa-mir-520b			S100G
CDH20	hsa-mir-518b			CAPN6
CDH19	hsa-mir-526a-1			CD40LG
C18orf55	hsa-mir-520c			CDR1
TXNDC10	hsa-mir-520c			CDX4
ZCCHC2	hsa-mir-518c			CETN2
ZNF407	hsa-mir-518c			CHM
CNDP2	hsa-mir-524			CLCN4
KIAA1468	hsa-mir-524			CLCN5
CCDC102B	hsa-mir-517a			CLIC2
C18orf22	hsa-mir-517a			CNGA2
PQLC1	hsa-mir-519d			COL4A5
NETO1	hsa-mir-521-2			COL4A6
PARD6G	hsa-mir-520d			COX7B
CNDP1	hsa-mir-520d			CSF2RA
SERPINB12	hsa-mir-517b			CSTF2
SERPINB11	hsa-mir-517b			CTAG1B
C18orf4	hsa-mir-520g			CXorf2
C18orf51	hsa-mir-516-3			CYBB
CCBE1	hsa-mir-516-3			CYLC1
CBLN2	hsa-mir-526a-2			DCX
FBXO15	hsa-mir-518e			DDX3X
DOK6	hsa-mir-518e			TIMM8A
RNF152	hsa-mir-518a-1			DIAPH2
ZADH2	hsa-mir-518a-1			DKC1
LOC284274	hsa-mir-518d			DLG3
ATP9B	hsa-mir-518d			DMD
LOC400657	hsa-mir-516-4			DNASE1L1
FLJ44881	hsa-mir-516-4			DRP2
	hsa-mir-518a-2			TSC22D3
	hsa-mir-518a-2			DUSP9
	hsa-mir-517c			EDA
	hsa-mir-517c			EFNB1
	hsa-mir-520h			EIF1AX
	hsa-mir-521-1			EIF2S3
	hsa-mir-522			ELF4
	hsa-mir-522			ELK1
	hsa-mir-519a-1			EMD
	hsa-mir-519a-1			F8
	hsa-mir-527			F9
	hsa-mir-516-1			ACSL4
	hsa-mir-516-2			FANCB
	hsa-mir-519a-2			GPC4
	hsa-mir-371			FGD1
	hsa-mir-372			FGF13
	hsa-mir-373			FHL1
	hsa-mir-373			FIGF

FLNA
FMR1
AFF2
CENPI
G6PD
GAGE1
GABRA3
GABRE
GAGE2
GAGE4
GAGE5
GAGE6
GAGE7
GATA1
OPN1MW
GDI1
GJB1
GK
GLA
GPC3
GLRA2
GLUD2
GPM6B
CXCR3
GPR23
GPR34
GRIA3
GRPR

Xp11.3 (cont) Xp11.3 (cont) Xp11.3 (cont) Xp11.3 (cont) Xp11.3 (cont) Xp11.3 (cont) Xp11.3 (cont)

GUCY2F	SSR4	HDAC6	CHIC1	GPR101	ARX	SPACA5B
HSD17B10	SSX1	CXorf6	FTHL17	TMEM47	XAGE3	ACA12
HCCS	SSX2	HUWE1	GPR173	CD99L2	XAGE5	hsa-mir-221
HCFC1	SSX5	PQBP1	NLGN3	H2AFB3	NUDT10	hsa-mir-222
HMGB3	SSX4	BCAP31	CXorf9	USP26	FAM9A	hsa-mir-188
HNRPH2	CDKL5	GPR64	TAF7L	DKFZp564K14	FAM9B	hsa-mir-500
HPRT1	SUV39H1	ATP6AP2	SPIN2A	TMEM164	FAM9C	hsa-mir-362
ERAS	SYBL1	ODZ1	ARMCX6	PHF6	SPANXE	hsa-mir-501
HTR2C	SYN1	SSX3	WDR44	ZMAT1	LOC203413	hsa-mir-502
IDH3G	SYP	TIMM17B	NDUFB11	PEPP-2	SLC25A43	hsa-mir-98
IDS	TAF1	SPRY3	GNL3L	FAM11A	ZCCHC5	hsa-let-7f-2
IGBP1	TAZ	RRAGB	FLJ20105	SLITRK2	NRK	U107
IGSF1	SERPINA7	SCML2	NUP62CL	GPR174	DDX26B	hsa-mir-223
IL2RG	TBL1X	SLC9A6	GDPD2	SLC9A7	ZNF449	hsa-mir-545
IL3RA	DYNLT3	COVA1	BCOR	BEX2	LOC203547	hsa-mir-374
IL9R	TFE3	PRDX4	TBC1D8B	SLC7A3	TMEM31	hsa-mir-384
IL13RA1	TIMP1	EBP	FAM120C	PNMA6A	PAGE2	hsa-mir-325
IL13RA2	TSPAN7	STAG2	GEMIN8	TCEAL3	CTAG1A	hsa-mir-361
IRAK1	TSPAN6	RAI2	CXorf48	CENB3	BRWD3	U96b
KAL1	TMSB4X	PLAC1	FAM70A	PPP1R3F	CXorf58	HBI-36
KCND1	TMSL3	CYSLTR1	CXorf57	FATE1	CT47.11	hsa-mir-448
L1CAM	TRO	UTP14A	NUDT11	CCDC120	CXorf23	U69
LAMP2	TRPC5	ZNF275	TMLHE	TSR2	FLJ14503	hsa-mir-220
LMO6	UBE1	PGRMC1	RBM41	HS6ST2	KLHL34	hsa-mir-363
SH2D1A	UBE2A	MAGED2	PLCXD1	FRMD7	MAP3K7IP3	hsa-mir-92-2
MAGEA1	SLC35A2	MSL3L1	SAGE1	KLHL13	MAGEA2B	hsa-mir-19b-2
MAGEA2	UTX	TMSL8	PLXNA3	TGIF2LX	SSX6	hsa-mir-20b
MAGEA3	VBP1	PIM2	UCHL5IP	FAM104B	SSX7	hsa-mir-18b
MAGEA4	WAS	MID2	OTUD5	PAGE5	SSX8	hsa-mir-106a
MAGEA5	XG	IL1RAPL1	SUHW3	TCEAL8	SSX9	hsa-mir-450-1
MAGEA6	XK	WDR45	MTMR8	CHRD1	ATP11C	hsa-mir-450-2
MAGEA8	XPNPEP2	TREX2	ZNF673	CXorf40A	YIPF6	hsa-mir-542
MAGEA9	ZFX	PRAF2	CXorf15	FAM58A	CXorf59	hsa-mir-542
MAGEA10	ZIC3	CA5B	MBNL3	SLC38A5	RP1-32F7.2	hsa-mir-503
MAGEA11	ZNF711	SLC6A14	WWC3	TMEM32	MAGEB18	hsa-mir-424
MAGEA12	ZNF182	KLFB	ALG13	ACRC	LOC286526	U61
MAGEB1	ZNF41	VSIG4	FAM45B	SYAP1	MGC39900	hsa-mir-504
MAGEB2	ZNF75	CNKSR2	BEX1	SYTL4	P2RY8	hsa-mir-505
MAGEB3	ZNF157	IQSEC2	HDAC8	SYTL5	RGAG4	hsa-mir-513-1
MAGEB4	RNF113A	PHF8	GABRQ	PNMA5	LOC340527	hsa-mir-513-2
MAOA	ZXDA	set-06	KIAA1166	GPRASP2	LOC340529	hsa-mir-506
MAOB	GTPBP6	ARHGEF9	NXT2	ATG4A	KIAA2022	hsa-mir-507
MCF2	HDHD1A	ATP1B4	NKRF	RAB39B	NGFRAP1L1	hsa-mir-508
MECP2	CXorf3	ACOT9	NXF5	DACH2	TCEAL5	hsa-mir-509
CD99	PNPLA4	KCNE1L	NXF3	SLITRK4	VSIG1	hsa-mir-510
MID1	ZRSR2	LDOC1	NXF2	SPANXN3	ZC3H12B	hsa-mir-514-1
MLL7	USP11	SMPX	KLHL4	MAGEC3	SATL1	hsa-mir-514-2
MPP1	USP9X	GSPT2	TEX13B	CXorf20	WDR40C	hsa-mir-514-3
CITED1	RBM10	KIF4A	TEX13A	PASD1	ZCCHC16	hsa-mir-224
MSN	JARID1C	FTSJ1	TEX11	WDR40B	LHFPL1	hsa-mir-452
MTCP1	SMC1A	MXRA5	MOSPD1	DGKK	LOC340602	hsa-mir-452
MTM1	ARD1A	EGFL6	BEXL1	CXorf41	ZNF81	hsa-mir-105-1
NAP1L2	F8A1	FAM127B	CTPS2	MUM1L1	ITIH5L	hsa-mir-105-2
NAP1L3	UBL4A	IL1RAPL2	CHST7	CXorf39	LANCL3	U70
NDP	CXorf12	ITGB1BP2	TCEAL7	FAM123B	OR13H1	ACA36
NDUFA1	LAGE3	SRPK3	GRIPAP1	APOO	LOC347487	ACA56
NHS	SLC10A3	VCX	THOC2	CXorf43	DGAT2L6	
NONO	TKTL1	GAGE7B	ZNF630	FUNDC1	RAB41	
GPR143	SRPX	GAGE8	TMEM27	GPR112	ARSH	
OCRL	UXT	NGFRAP1	SHROOM4	PTCHD1	MAP3K15	
OPHN1	CUL4B	NOX1	NLGN4X	MAGEB10	SPACA5	
OTC	IRS4	TMEM28	PCDH19	WDR42B	PAGE2B	
P2RY4	OGT	GPR82	RGAG1	OTUD6A	ZCCHC13	
PAK3	OFD1	GPKOW	PDZD4	UPRT	UBE2NL	
PCTK1	IKBKG	SRPX2	LRCH2	MAGEE2	CSAG3A	
PDHA1	PIR	APEX2	MAGEE1	FOXR2	LOC392465	
PDK3	CASK	RBMX	RAP2C	GAB3	FLJ44635	
CFP	ASMTL	PCDH11X	MID1IP1	PNCK	ARL13A	
PFKFB1	PAGE1	RPS6KA6	ACE2	ACTRT1	LOC401589	
PGK1	MTMR1	P2RY10	TMEM35	GPR119	MCART6	
PHEX	FGF16	HTATSF1	FAM3A	PAGE3	XKRX	
PHKA1	AKAP4	PCSK1N	EDA2R	DOCK11	YY2	
PHKA2	APLN	PPP2R3B	NYX	LOC139886	VCX-C	
PIGA	AP1S2	CCDC22	BCORL1	ASB11	FAM127C	
PIN4	GYG2	MCTS1	DUSP21	ASB9	CT45-3	
PLP1	FAM127A	MAGEH1	CXorf56	TCEAL2	CT45-4	
PLP2	SLC25A14	TMEM29	DMRTC1	PABPC5	CT45-5	

PLS3	CLDN2	C1GALT1C1	TSPYL2	RAB40A	SPANXN4
PLXNB3	RGN	SNX12	TNMD	ASB12	PGAM4
POLA1	FAM50A	RPA4	PJA1	AMOT	FAM47C
POU3F4	AIFM1	PNMA3	SPANXD	ZNF645	SPIN2B
PPEF1	CXorf1	UBQLN2	SPANXC	CSAG1	H2AFB2
PRKX	REPS2	SH3KBP1	SPANXB2	FMR1NB	H2AFB1
PRPS1	ZBED1	SPANXA1	WDR13	LOC158572	F8A2
PRPS2	ZMYM3	CTAG2	PORCN	FAAH2	F8A3
PRRG1	BMP15	NSDHL	ARMCX5	ZXDB	SPANXN1
PSMD10	GPR50	FOXP3	UPF3B	FAM47A	SPANXN2
RBBP7	CRSP2	TBX22	WNK3	MOSPD2	SPANXN5
RBM3	TCEAL1	ZDHHC9	FUNDC2	FLJ30058	CT45-6
OPN1LW	RAB33A	RNF12	PRRG3	RIBC1	CT45-1
RENBP	RAB9A	WBP5	APOO	AKAP14	CXorf40B
RP2	ITM2A	RAB9B	BRCC3	OTEX	SSX4B
RPGR	ARHGEF6	LUZP4	NSBP1	MAGEB6	ZNF674
RPL10	PCYT1B	PDZD11	NKAP	LOC158830	LOC642980
RPL39	MAGED1	CXorf26	RNF128	DGAT2L3	LCAP
RPL36A	XAGE2	TFDP3	MORC4	DGAT2L4	LOC645974
RPS4X	XAGE1	TLR7	CXorf36	CT45-2	LOC653216
RPS6KA3	PAGE4	ARMCX1	LONRF3	ZDHHC15	CT47.7
RS1	CSAG2	TLR8	CXorf45	USP51	CT47.10
SAT1	MORF4L2	MBTPS2	FLJ21687	TCEAL6	CT47.9
SCML1	GPRASP1	HSFX1	TCEAL4	H2BFWT	CT47.8
TRAPPC2	STARD8	MAGEC2	CXorf34	CXorf38	CT47.6
SH3BGRL	FRMPD4	VGLL1	POF1B	FAM122B	CT47.5
SHOX	PHF16	VCX2	CXorf21	FAM122C	CT47.4
SLC6A8	ARMCX2	VCX3A	EFHC2	DDX53	CT47.3
SLC16A2	HEPH	ARMCX3	KLHL15	FAM46D	CT47.2
SMARCA1	MAGEC1	TAF9B	ESX1	SPIN3	CT47.1
SMS	AMMECR1	RBMX2	BHLHB9	FAM47B	OPN1MW2
SOX3	MED12	MST4	MAGED4	CXorf22	SPANXB1
	ZBTB33	CPXCR1	LAS1L	ZCCHC12	SPANXA2