

Supplementary Table S5 Genes included in significant GISTIC amplification peaks

cytoband	8q24.21	10q22.3	6p21.1	3q26.32
q value	4,12E-05	0,0074492	0,016048	0,026013
residual q value	4,12E-05	0,0074492	0,016048	0,026013
wide peak boundaries	chr8:127725454-128643982	chr10:72587024-85038622	chr6:43727939-44345684	chr3:169257608-198295559
genes in wide peak	MYC	ADK	SLC29A1	ACTL6A
	PVT1	ANXA7	HSP90AB1	AHSG
	TMEM75	ANXA11	NFKBIE	APOD
	CASC11	CAMK2G	VEGFA	BCL6
	MIR1205	GLUD1P3	CAPN11	BDH1
	MIR1206	KCNMA1	TMEM63B	AP2M1
	MIR1207	MAT1A	AARS2	CLCN2
	MIR1204	P4HA1	MRPL14	CPN2
	MIR1208	PLAU	TCTE1	CRYGS
	LINC00824	PPP3CB	SPATS1	DGKG
		RGR	C6orf223	DLG1
		RPS24	SLC35B2	DVL3
		SFTPD	TMEM151B	ECT2
		VCL	LINC01512	EHHADH
		VDAC2	MIR4647	EIF4A2
		NDST2	LOC101929705	EIF4G1
		MBL1P	LOC101929726	EPHB3
		DLG5		ETV5
		SEC24C		MECOM
		PPIF		FGF12
		MICU1		GHSR
		NRG3		GP5
		POLR3A		HRG
		ECD		HES1
		ZSWIM8		IL1RAP
		DNAJC9		KNG1
		KAT6B		LPP

cytoband
genes in wide peak

8q24.21	10q22.3	6p21.1	3q26.32
	NUDT13		MELTF
	LRIT1		MUC4
	AP3M1		NDUFB5
	GHITM		OPA1
	MRPS16		CLDN11
	DUSP13		PAK2
	CCSER2		PCYT1A
	ZMIZ1		PIK3CA
	MYOZ1		PLD1
	SYNPO2L		POLR2H
	TMEM254		PPP1R2
	TSPAN14		PRKCI
	C10orf11		MASP1
	FAM213A		PSMD2
	DYDC2		RFC4
	PLA2G12B		SNORA63
	ZNF503		RPL35A
	MCU		TRA2B
	CDHR1		ST6GAL1
	CHCHD1		SKIL
	MSS51		SLC2A2
	CFAP70		SOX2
	COMTD1		SST
	SAMD8		TERC
	DYDC1		TFRC
	EIF5AL1		THPO
	USP54		SEC62
	FUT11		FXR1
	OIT3		TP63
	LINC00858		CHRD
	TMEM254-AS1		TNFSF10
	PLAC9		EIF2B5

cytoband
genes in wide peak

8q24.21	10q22.3	6p21.1	3q26.32
	ZCCHC24		USP13
	ZNF503-AS1		CLDN1
	ZMIZ1-AS1		MAP3K13
	FAM149B1		ADIPOQ
	DUPD1		RUBCN
	LRIT2		ECE2
	SH2D4B		ABCC5
	C10orf99		TNK2
	C10orf55		ALG3
	LINC00595		KCNMB2
	DNAJC9-AS1		IGF2BP2
	LINC00857		CLDN16
	LOC642361		NLGN1
	HOST2		NCBP2
	BEND3P3		TNIK
	SFTPA1		MCF2L2
	MIR606		ATP11B
	AGAP5		VPS8
	BMS1P4		ACAP2
	SFTPA2		UBXN7
	NUTM2B		RNU6-1
	LOC729815		GPR160
	DLG5-AS1		FETUB
	LOC100130698		LAMP3
	ZNF503-AS2		KCNMB3
	LINC00856		ZNF639
	BMS1P21		PEX5L
	ZSWIM8-AS1		DNAJB11
	MIR4676		DCUN1D1
	NUTM2B-AS1		KLHL24
	PPP3CB-AS1		PIGX
	LOC101929165		TBCCD1

cytoband
genes in wide peak

8q24.21

10q22.3

6p21.1

3q26.32

LOC101929234
KCNMA1-AS3
KCNMA1-AS2
KCNMA1-AS1
LOC101929574
NRG3-AS1
LOC102723439
LOC102723703
LOC105378367
LOC105378385
LOC105378397

P3H2
ABCF3
LSG1
PARL
MFN1
YEATS2
MYNN
EIF5A2
MCCC1
HRASLS
MRPL47
NCEH1
SLC7A14
SEN2
GNB4
RTP4
MAGEF1
ZMAT3
FNDC3B
ATP13A3
TBL1XR1
LRRC31
MAP6D1
PHC3
PIGZ
SPATA16
B3GNT5
IQCG
ATP13A4
FYTTD1
ACTRT3
MGC2889

cytoband
genes in wide peak

8q24.21

10q22.3

6p21.1

3q26.32

LRCH3
CEP19
LMLN
KLHL6
VWA5B2
TMEM41A
TMEM44
CAMK2N2
TM4SF19
RPL39L
DNAJC19
FAM131A
ZDHHC19
LRRC15
FAM43A
TMEM207
RTP1
TTC14
LRRC34
MB21D2
XXYLT1
CCDC50
PYDC2
NCBP2-AS2
RNF168
HTR3C
LIPH
HTR3D
RPL22L1
SLC51A
FBXO45
MUC20

cytoband
genes in wide peak

8q24.21

10q22.3

6p21.1

3q26.32

SENPA
LOC220729
LOC253573
NAALADL2
TCTEX1D2
SMCO1
SDHAP1
UTS2B
HTR3E
C3orf70
TPRG1
LOC285389
CCDC39
EHHADH-AS1
LPP-AS2
LRRIQ4
SAMD7
NMRAL1P1
RTP2
OSTN
ATP13A5
SOX2-OT
WDR53
ANKRD18DP
NRROS
TMEM212
FLJ46066
FLJ42393
LINC00884
LINC00885
MIR28
LINC00969

cytoband
genes in wide peak

8q24.21

10q22.3

6p21.1

3q26.32

SNORD2
SNORA4
IGF2BP2-AS1
GMNC
LOC647323
SNORA81
SNORD66
MIR569
MIR570
SDHAP2
FAM157A
MIR922
MIR944
DPPA2P3
LOC100128164
LINC00887
LOC100131635
SNAR-I
MIR1224
MIR1248
MIR3137
LINC01208
LINC00578
LOC100505609
LINC00888
LOC100505920
MFI2-AS1
DLG1-AS1
TMEM44-AS1
LOC100507391
TM4SF19-TCTEX1D2
MIR4448

cytoband
genes in wide peak

8q24.21

10q22.3

6p21.1

3q26.32

MIR4797
MIR4789
LINC00501
MIR5588
MIR548AQ
NAALADL2-AS3
LPP-AS1
OPA1-AS1
LMLN-AS1
ABCC5-AS1
FGF12-AS1
FGF12-AS3
NLGN1-AS1
KLHL6-AS1
TPRG1-AS2
UBXN7-AS1
TPRG1-AS1
EIF2B5-AS1
ADIPOQ-AS1
TM4SF19-AS1
ATP13A5-AS1
TMEM212-AS1
NAALADL2-AS2
NAALADL2-AS1
LINC01014
XXYLT1-AS1
LINC01206
XXYLT1-AS2
LOC101928583
LINC01209
LOC101928739
PEX5L-AS2

cytoband
genes in wide peak

8q24.21

10q22.3

6p21.1

3q26.32

LOC101928882

LOC101928992

LOC101929106

LOC101929130

P3H2-AS1

ATP13A4-AS1

LOC101929337

LOC101929697

LINC01063

RNU6-7

MIR6828

MIR7977

MIR6829

KCCAT211

LOC102724604

LOC102724699

LINC0002

RNU6-2

KCNMB2-AS1

LOC105374205

LOC105374244

LOC105374250

LOC105374266

LOC105374297

HTR3E-AS1

OSTN-AS1

Genes included in significant GISTIC amplification peaks

cytoband	17q12	18q11.2	14q11.2	19q12
q value	0,12943	0,13216	0,13973	0,13973
residual q value	0,12943	0,13216	0,13973	0,13973
wide peak boundaries	chr17:37666372-39694523	chr18:13982664-30683883	chr14:1-24266417	chr19:29382842-30440290
genes in wide peak	CACNB1	AQP4	hsa-mir-1201	CCNE1
	ERBB2	CDH2	ANG	URI1
	LASP1	GATA6	APEX1	ZNF536
	MLLT6	LAMA3	BCL2L2	POP4
	NEUROD2	NPC1	CEBPE	PLEKHF1
	PNMT	RBBP8	DAD1	C19orf12
	MED1	ROCK1	HNRNPC	LOC284395
	PSMB3	SNRPD1	MMP14	VSTM2B
	RPL19	SS18	MYH6	
	HNF1B	TAF4B	MYH7	
	PCGF2	RIOK3	NEDD8	
	PIP4K2B	ZNF521	PNP	
	TCAP	CABYR	NRL	
	RPL23	C18orf8	OXA1L	
	STARD3	IMPACT	PCK2	
	SOCS7	MIB1	PSMB5	
	CDK12	HRH4	PSME1	
	CWC25	CTAGE1	PSME2	
	PLXDC1	GREB1L	RABGGTA	
	ARHGAP23	CHST9	RNASE1	
	SRCIN1	TMEM241	RNASE2	
	PPP1R1B	CABLES1	RNASE3	
	TBC1D3F	ESCO1	RNASE4	
	MRPL45	OSBPL1A	RNASE6	
	FBXL20	TTC39C	SALL2	
	PGAP3	PSMA8	TEP1	
	YWHAEP7	AQP4-AS1	TGM1	

cytoband
genes in wide peak

17q12	18q11.2	14q11.2	19q12
CISD3	ANKRD29	PABPN1	
LRRC37A11P	ZNF519	AP1G2	
STAC2	ABHD3	SLC7A7	
C17orf98	CYP4F35P	CPNE6	
ARL5C	KCTD1	TOX4	
TBC1D3C	ANKRD30B	REC8	
LOC440434	POTEC	PARP2	
GPR179	LINC01443	DHRS2	
FBXO47	MIR1-2	EFS	
SNORA21	MIR133A1	IRF9	
TBC1D3	CXADRP3	PRMT5	
TBC1D3H	ANKRD20A5P	TM9SF1	
LOC100131347	LOC644669	EDDM3A	
C17orf96	PCAT18	DHRS4	
LINC00672	LOC729950	SUPT16H	
MIR4726	GATA6-AS1	ACIN1	
MIR4734	MIR302F	SLC7A8	
MIR4727	MIR320C1	NGDN	
TBC1D3G	MIR320C2	LRP10	
TBC1D3K	MIR3156-2	TINF2	
TBC1D3L	LINC01543	OR10G3	
LOC101060389	MIR4741	OR10G2	
MIR6779	LOC101927571	OR4E2	
TBC1D3E	LINC01444	OR4E1	
TBC1D3I	MIR8057	CHMP4A	
LOC105371766	MIR133A1HG	SLC39A2	
	TTC39C-AS1	EMC9	
	LOC105372028	ZNF219	
	LOC105372038	GMPR2	
		SLC22A17	
		HAUS4	
		C14orf119	

cytoband
genes in wide peak

17q12

18q11.2

14q11.2

19q12

RNF31
RBM23
DHRS4-AS1
OSGEP
ARHGEF40
METTL3
RPGRIP1
NDRG2
HOMEZ
CHD8
CCNB1IP1
C14orf93
ABHD4
EDDM3B
CDH24
METTL17
IL25
THTPA
OR4K5
OR11H2
OR4K1
IPO4
DCAF11
OR4K15
JPH4
RNASE7
RAB2B
AJUBA
ZFH2
RPPH1
CARMIL3
PPP1R3E

cytoband
genes in wide peak

17q12

18q11.2

14q11.2

19q12

TMEM55B
TTC5
CMTM5
RNASE11
TPPP2
RNASE8
MRPL52
PSMB11
OR4K14
OR4L1
OR11H6
KLHL33
MDP1
FITM1
REM2
LOC254028
LINC00641
TSSK4
DHRS4L2
SNORD8
RNASE10
OR6S1
OR4N2
OR4K2
OR4K13
OR4K17
OR4N5
OR11G2
OR11H4
RNASE9
OR5AU1
POTEG

cytoband
genes in wide peak

17q12

18q11.2

14q11.2

19q12

MIR208A
OR11H12
RNASE13
OR4Q3
OR4M1
RNASE12
DUXAP10
POTEM
LOC642426
LINC01296
ECRP
TMEM253
SNORD9
DHRS4L1
SNORD126
MIR208B
PRMT5-AS1
RNF212B
LOC100508046
NEDD8-MDP1
BCL2L2-PABPN1
MIR4707
POTEH-AS1
BMS1P17
LOC101926933
LOC101929572
LOC101929718
MIR6717
MIR7703
LOC102724814
MHRT
BMS1P22

Genes included in significant GISTIC amplification peaks

cytoband	11q13.1
q value	0,22918
residual q value	0,22918
wide peak boundaries	chr11:64043444-64121820
genes in wide peak	FLRT1 MACROD1