

**Table S3** *Chaos3* Mammary Tumor Non-specific Recurrent Deletions Overlapping Human Breast Cancer CNAs.

Mouse Region	Human Gene	Hs		<i>Chaos3</i>								
		Chr	Human CNA	CNA	A	B	C	D	E	F	G	
<b>Mmu Chr 4</b> 132.4-133.5 Mb	AIM1L	1	FALSE	43%		x	x				x	
	LIN28	1	FALSE	71%		x	x	x			x	x
	DHDDS	1	FALSE	71%		x	x	x			x	x
	HMG2	1	FALSE	71%		x	x	x			x	x
	RPS6KA1	1	FALSE	86%		x	x	x	x	x	x	x
	ARID1A	1	FALSE	100%	x	x	x	x	x	x	x	x
	PIGV	1	FALSE	100%	x	x	x	x	x	x	x	x
	ZDHHC18	1	TRUE	86%	x	x	x		x	x	x	
	SFN	1	TRUE	86%	x	x	x		x	x	x	
	GPN2	1	TRUE	86%	x	x	x		x	x	x	
	GPATCH3	1	TRUE	86%	x	x	x		x	x	x	
	NR0B2	1	TRUE	86%	x	x	x		x	x	x	
	NUDC	1	TRUE	86%	x	x	x		x	x	x	
	TRNP1	1	TRUE	86%	x	x	x		x	x	x	
	FAM46B	1	FALSE	86%	x	x	x		x	x	x	
	SLC9A1	1	FALSE	71%	x		x		x		x	x
	WDC1	1	FALSE	43%	x				x			x
	TMEM222	1	FALSE	43%	x				x			x
	SYTL1	1	FALSE	43%	x				x			x
	MAP3K6	1	FALSE	43%	x				x			x
	CD164L2	1	FALSE	43%	x				x			x
	GPR3	1	FALSE	43%	x				x			x
<b>Mmu Chr 10</b> 79.4-80.2 Mb	PPAP2C	19	TRUE	33%				x	x			
	MIER2	19	TRUE	33%				x	x			
	THEG	19	TRUE	33%				x	x			
	C2CD4C	19	TRUE	33%				x	x			
	SHC2	19	TRUE	33%				x	x			
	ODF3L2	19	TRUE	33%				x	x			
	MADCAM1	19	TRUE	33%				x	x			
	CDC34	19	TRUE	33%				x	x			
	GZMM	19	TRUE	33%				x	x			
	BSG	19	TRUE	33%				x	x			
	HCN2	19	TRUE	33%				x	x			
	POLRMT	19	TRUE	33%				x	x			
	FGF22	19	TRUE	33%				x	x			
	RNF126	19	TRUE	33%				x	x			
	FSTL3	19	TRUE	33%				x	x			
	PRSSL1	19	TRUE	33%				x	x			
	PALM	19	TRUE	33%				x	x			
	PTBP1	19	TRUE	33%				x	x			
	PRTN3	19	TRUE	33%				x	x			
	ELANE	19	TRUE	33%				x	x			

CFD	19	TRUE	33%		x	x	
MED16	19	TRUE	33%		x	x	
KISS1R	19	TRUE	50%		x	x	x
ARID3A	19	TRUE	50%		x	x	x
WDR18	19	TRUE	50%		x	x	x
GRIN3B	19	TRUE	50%		x	x	x
CNN2	19	TRUE	50%		x	x	x
ABCA7	19	TRUE	50%		x	x	x
HMHA1	19	TRUE	50%		x	x	x
POLR2E	19	TRUE	50%		x	x	x
GPX4	19	TRUE	50%		x	x	x
SBNO2	19	TRUE	50%		x	x	x
STK11	19	TRUE	50%		x	x	x
ATP5D	19	TRUE	50%		x	x	x
MIDN	19	TRUE	50%		x	x	x
CIRBP	19	TRUE	33%		x	x	
EFNA2	19	TRUE	33%		x	x	
MUM1	19	TRUE	33%		x	x	
NDUFS7	19	TRUE	33%		x	x	
GAMT	19	TRUE	33%		x	x	
DAZAP1	19	TRUE	33%		x	x	
RPS15	19	TRUE	33%		x	x	
APC2	19	TRUE	33%		x	x	
PCSK4	19	TRUE	33%		x	x	
REEP6	19	TRUE	33%		x	x	
ADAMTSL5	19	TRUE	33%		x	x	
MEX3D	19	TRUE	50%		x	x	x
MBD3	19	TRUE	50%		x	x	x
TCF3	19	TRUE	50%		x	x	x
ONECUT3	19	TRUE	67%	x	x	x	x
ATP8B3	19	TRUE	67%	x	x	x	x
REXO1	19	TRUE	67%	x	x	x	x
KLF16	19	TRUE	67%	x	x	x	x
SCAMP4	19	TRUE	67%	x	x	x	x
ADAT3	19	TRUE	67%	x	x	x	x
CSNK1G2	19	TRUE	67%	x	x	x	x
BTBD2	19	TRUE	67%	x	x	x	x
MKNK2	19	TRUE	67%	x	x	x	x
MOBKL2A	19	TRUE	67%	x	x	x	x
AP3D1	19	TRUE	67%	x	x	x	x
DOT1L	19	TRUE	67%	x	x	x	x
PLEKHJ1	19	TRUE	67%	x	x	x	x
SF3A2	19	TRUE	67%	x	x	x	x
AMH	19	TRUE	67%	x	x	x	x
JSRP1	19	TRUE	67%	x	x	x	x
OAZ1	19	TRUE	67%	x	x	x	x

LINGO3	19	TRUE	67%	x	x	x	x
LSM7	19	TRUE	33%		x	x	
TMPRSS9	19	FALSE	33%		x	x	
TIMM13	19	FALSE	33%		x	x	
LMNB2	19	FALSE	33%		x	x	
GADD45B	19	FALSE	17%		x		

**Legend.** x= deleted. Tumor Codes: A: 15259; B: 12353A; C: 12115B; D: 11929A; E: 16898; F: 2044B; G: 16892. Mmu = *Mus musculus*. Hs = *Homo sapiens*. Some of the deletions extend further than indicated. The True (deleted) and False (not deleted) calls for human gene deletions are from TCGA level 4 data (see Methods) and refer to whether that locus is deleted at levels statistically above background. Human genes in red are potentially cancer-relevant. Red shaded regions are the “critical regions” of a deletion set. The “Chaos3 CNA” column refers to the % of Chaos3 mammary tumors analyzed by aCGH that contained deletions of that particular locus.