Supplementary Table 9. Documenting expression of individual members of independently acquired X-linked multicopy and ampliconic gene families in human and mouse

Mouse Gene Family #	Gene name	# of mRNA-seq reads[ab]
1	*Arxes2*	5
	Arxes1	0
2	*Gm15107*	19
	Gm15093	0
	Gm15114	3
	Gm15127	9
	Gm15080	1
	Gm10439	13
	Gm15097	4
	Gm15091	7
3	*Cypt1*	731
	Cypt7	158
	Cypt8	20
4	*Gm5934*	4
	Gm4297	19
	Gm5935	10
	Gm10230	0
	Gm10486	0
	Gm14632	0
	Gm14819	0
	Gm5169	44
	Gm1993	74
	Gm5168	22
	Gm2012	35
	Gm2030	11
	Slx	5
	Gm14525	5
	Gm6121	37
	Gm10487	22
	Gm10488	10
5	*Gm2933*	3
	Gm2799	49
6	*Gm10922*	3
	Gm10921	38
7	*Sid1*	1511
	3830403N18Rik	30
8	*Gm6880*	95
	Gm6890	34

Human Gene Family #	Gene name	# of mRNA-seq reads[ac]
1	*CSAG1*	25
	CSAG2	21
2	*CT47A1*	0
	CT47A2	0
	CT47A6	0
	CT47A7	6
3	*VCX*	83
	VCX2	234
	VCX3A	34
	VCX3B	2
4	*PAGE2*	77
	PAGE2B	214
5	*SPANXN1*	3
	SPANXN2	35
	SPANXN3	148
	SPANXN4	66
	SPANXN5	24
6	GAGE1	6
	GAGE10	15
	GAGE12B	0
	GAGE12G	0
	GAGE12H	0
	GAGE12I	0
	GAGE12J	12
	GAGE13	0
	GAGE2A	0
	GAGE2B	0
	GAGE2C	0
	GAGE2D	0
	GAGE2E	0
	GAGE4	0
	GAGE5	0
	GAGE6	0
	GAGE8	0

Nature Genetics: doi:10.1038/ng.2705

a. The absence of mRNA-seq reads corresponding to a specific member of a gene family does not necessarily imply that that copy is transcriptionally inactive. For example, the absence of mRNA-seq reads corresponding to a specific copy may be due to insufficient read depth or reflect the absence of that gene variant in the genome of the sampled testis.

b. RNA-seq data from Brawand, D. et al. The evolution of gene expression levels in mammalian organs. Nature 478, 343-8 (2011).
c. RNA-seq data from Bradley, R.K. et al. Alternative splicing of RNA triplets is often regulated and accelerates proteome evolution. PLoS Biol 10, (2012).

Nature Genetics: doi:10.1038/ng.2705