Supplemental Figure 1

A)

Gene	position	function	copy number	X-Y homologous?	expression pattern
Ddx3x	X A1.1	helicase, nucleic acid binding, transcription	1	yes, *Ddx3y*	multiple tissues
Eif1ay	X F4	translation initiation	1	no	multiple tissues
Fmr1	X A7.1	mRNA transport, modulator of translation	1	no	multiple tissues
Nxf2	X E3	RNA export from the nucleus	1	no	multiple tissues
Ott	X F2, F3	unknown	12	no	ovary, testis
Scml2	X F4	transcription repression	1	no	multiple tissues
Slx	X A2, A3	unknown, contains COR1 domain	25*	yes, *Sly*	spermatids
4930527E24RIK	X A5	unknown, contains COR1 domain	14*	yes, *Sly*	spermatids
Vsig1	X F1	contains Immunoglobulin V-set domain	1	no	multiple tissues
Xiap	X A4	negative regulator of apopotosis	1	no	multiple tissues
Ube1y1	Y A1	ubiquitin activating enzyme	1 & 2 pseudogenes	yes, *Ube1x1*	testis, pancreas
Zfy1	Y A1	regulator of transcription	2	yes, *Zfx*	testis
Uty	Y A1	chromatin modification	1	yes, *Utx*	multiple tissues
Adam3	8 A2	binding of sperm to zona pellucida of egg	1	no	testis
Atr	9 E4	DNA damage checkpoint & response	1	no	multiple tissues
Brca1	11 D	DNA damage response, DNA repair	1	no	multiple tissues
Grhpr	4 B2	oxidation reduction, metabolic process	1	no	multiple tissues
Miwi	5 G1	germ cell gene silencing by RNAi	1	no	testis
Pde6d	1 D	3',5'-cyclic-nucleotide phosphodiesterase	1	no	multiple tissues
Prkdc	16 B1	response to DNA damage, dsb repair	1	no	multiple tissues
Zscan2	7 D3	regulation of transcription	1	no	multiple tissues

B)