

Supplementary Table 4

Number of spermatids expressing an X-linked gene

Gene Name	# of X-spermatids expressing	% of X-spermatids expressing	Average
<i>Xiap</i>	Male #1= 0/100	0	0
	Male #2= 0/105	0	
	Male #3= 0/97	0	
<i>Scml2</i>	Male #1= 6/96	6	7
	Male #2= 5/106	5	
	Male #3= 10/97	10	
<i>Fmr1</i>	Male #1= 17/94	18	17
	Male #2= 20/103	19	
	Male #3= 16/109	15	
<i>Zfx</i>	Male #1= 22/104	21	18
	Male #2= 18/108	17	
	Male #3= 16/94	17	
<i>Ott</i>	Male #1= 59/114	52	54
	Male #2= 58/105	55	
	Male #3= 53/98	54	
<i>4930527E24Rik</i>	Male #1= 75/95	79	78
	Male #2= 94/118	80	
	Male #3= 82/108	76	
<i>Slx</i>	Male #1= 99/103	96	93
	Male #2= 94/100	94	
	Male #3= 83/92	90	

Average number of spermatids expressing a given X-linked single-copy or multicopy gene via RNA-FISH. Three replicate males were sampled per gene. In each case, 200 spermatids in total were counted. Approximately half of these are Y-bearing, as determined by *Sly* RNA-FISH.