

TABLE S1
Genes and regions not covered by the X chromosome duplication kit

Class	Gene name	Abbreviation	kb
Large genes ^a	<i>CG32816</i>	<i>CG32816</i>	153.6
	<i>dunce</i>	<i>dnc</i>	162.9
	<i>Allatostatin Receptor</i>	<i>AlstR</i>	92.19
	<i>rugose</i>	<i>rg</i>	165.3
	<i>retinal degeneration A</i>	<i>rdgA</i>	113.4
	<i>sprint</i>	<i>spri</i>	94.96
	<i>Tenascin accessory</i>	<i>Ten-a</i>	138.3
	<i>maternal gene required for meiosis</i>	<i>mamo</i>	98.06
	<i>dpr8</i>	<i>dpr8</i>	140.1
	<i>flotillin 2</i>	<i>Flo2</i>	94.21
	<i>Shaker</i>	<i>Sh</i>	110.5
	<i>CG32541</i>	<i>CG32541</i>	96.52
	<i>kekkon5</i>	<i>kek5</i>	116.9
No appropriate clone ^b	<i>sidekick</i>	<i>sdk</i>	62.66
	<i>CG42248</i>	<i>CG42248</i>	76.25
	<i>broad</i>	<i>br</i>	51.03
	<i>Tousled-like kinas</i>	<i>tlk</i>	67.96
	<i>stoned A/stoned B</i>	<i>stnA/stnB</i>	23.93
Class	Clone end	Clone start	Overlap
Minimal overlap ^c	599328	592690	6638
	3654479	3647310	7169
	3668498	3668064	434
	9137981	9132271	5710
	13507192	13507029	163
	22377133	22376010	1123
	22396617	22395228	1389
Gaps ^d	1411111	1417499	6388
	2968483	2977133	8650
	10655943	10675193	19250
	21590231	21760040	169809
	22417460	NA	NA

18 genes are not covered in the duplication kit because they are too large to be contained in clones in the CHORI-321 library (13^a) or no appropriate clone was found (5^b). Twelve regions are present in the path as problematic sections that have insufficient overlap between adjacent tiling path clones encompassing one or more of the annotated genes (7^c) or as a gap in clone coverage (5^d).