

Table S1 Sites targeted for each *Drosophila* gene and pRFP-gRNA constructions for the target loci.

Target gene		Target site (5' to 3') (PAM is underlined)	pRFP-gRNA	Number of gRNA
<i>yellow</i>	y1	GGATGAGTGTGGTCGGCTGT <u>GGG</u>	pRFP-U6B-y1-gRNA	1
	y2	GGGTTTTGGACACTGGAACCGT <u>G</u> G	pRFP-CR7T-y2-gRNA pRFP-CR7T-y1y2-gRNA	1 2
<i>notch</i>	N1	GGACATCTTTGCCAGAACGG <u>AGG</u>	pRFP-U6B-N1N2-gRNA	2
	N2	GGGATCACCGTGCGAACACAAT <u>G</u> G	pRFP-CRT-N1N2-gRNA	2
<i>bag of marbles</i> (<i>bam</i>)	bam1	GGGCAACGACGACCAGCAGTT <u>G</u> G	pRFP-U6B-bam1-gRNA	1
	bam2	GGAGGAGCATTTGGCCTTAAT <u>G</u> G	pRFP-CR7T-bam1-gRNA	1
	bam3	GGAAAGCCACTTGTGAGTACG <u>AGG</u>	pRFP-CR7T-bam1bam2bam3-gRNA	3
<i>nanos</i>	nos1	GGGCCTGCAGGACATGTATTT <u>G</u> G	pRFP-U6B-nos1nos2-gRNA	2
	nos2	GGGGTCACCGCGTAATGGG <u>CGG</u>	pRFP-CR7T-nos1nos2-gRNA	2
<i>cid</i>	cid1	GGACGCCGGACGGAGGCAGC <u>CGG</u>	pRFP-U6B-cid1cid2-gRNA	2
	cid2	GGAAAGCAAAACGCGAGCAGC <u>AGG</u>	pRFP-CR7T-cid1cid2-gRNA	2
<i>ms(3)K81</i>	K81	GGATTTCTGATTACGCGGTAC <u>G</u> G	pRFP-U6B-K81-gRNA	1