

**Table S7. Results of the *T. molitor* G<sub>1</sub> EGFP knock-in phenotype screen.** In the injections with either sgRNA # 1, 2, 3, or 1/2/3, or no sgRNA, the parameters are provided for the number of individuals in the G<sub>1</sub> knock-in out-crosses and number of crosses with EGFP for G<sub>2</sub>, and the number of individuals in the knock-out self-crosses, and # of crosses with EGFP for G<sub>2</sub>.

sgRNA	# of knock-in out-crosses	# of crosses w/ E+ G <sub>1</sub>	# of knock-out self-crosses	# of crosses w/ E+ G <sub>1</sub>	Knock-in rate (%)
3 sgRNA	9	0	4	0	0
sgRNA#1	12	2	7	0	10
sgRNA#2	9	6	11	0	30
sgRNA#3	6	2	3	0	22
none	1	0	0	0	0