

Supplementary table:

Table S1: Statistical significance between dsGFP and uninjected controls from the various biological assays conducted.

Figure	Data	Value of dsGFP control	Value of uninjected control	Statistical difference between dsGFP and uninjected controls	Statistically significant
2	Longevity	Median survival of 14 days (95% CI of ratio: 2.96 - 5.41)	Median survival of 21 days (95% CI of ratio: 0.12 - 0.23)	$(\chi^2_{(1, N=240)} = 2.011, p=0.1561)$	No
3A	Number of eggs oviposited per mated female	48.11 ± 4.12	42.54 ± 3.96	$(t(91) = 0.1522, p = 0.8793)$	No
3C	Eggs developed/ not developed per mated female	89%	89%	$p > 0.9999$	No
3D	Percentage fertility per female	86% (76-93%)	84%(75-90%)	$(t(46) = 0.5975, p = 0.5531)$	No
4	<i>P. falciparum</i> infection intensity	9.37 ± 1.17	6.97% ± 0.95	$(\text{Mann-Whitney } U = 2300, p = 0.5337)$	No
4	<i>P. falciparum</i> infection prevalence	69.49% (± 6.05)	83.64% ± 5.03	$(\chi^2_{(1, N=720)} = 0.2584, p = 0.6112)$	No