

**S1 Table. Dose-dependent effect of PPF on *Ae. aegypti* reproduction**

Groups	% Mortality	% Blood-fed	Eggs/Female	Hatching rate	Relative reproduction rate
Untreated	0.0 (±0.0)	98.2 (±1.5)	90.0 (±4.6)	88.0 (±1.0)	-
Cyclohexane	0.0 (±0.0)	98.0 (±1.8)	91.6 (±9.5)	84.0 (±1.7)	100
PPF 3.5 µg/cm <sup>2</sup>	0.9 (±1.6) <sup>ns</sup>	94.3 (±5.3) <sup>ns</sup>	90.2 (±5.8) <sup>ns</sup>	83.0 (±6.2) <sup>ns</sup>	97.3 (±9.5) <sup>ns</sup>
PPF 7 µg/cm <sup>2</sup>	1.0 (±1.7) <sup>ns</sup>	92.4 (±1.3) <sup>*</sup>	56.9 (±6.6) <sup>**</sup>	71.3 (±5.5) <sup>*</sup>	52.5 (±2.3) <sup>***</sup>
PPF 10.5 µg/cm <sup>2</sup>	1.0 (±1.7) <sup>ns</sup>	91.4 (±2.5) <sup>*</sup>	56.9 (±9.3) <sup>*</sup>	33.7 (±3.8) <sup>***</sup>	24.7 (±2.4) <sup>***</sup>
PPF 14 µg/cm <sup>2</sup>	1.1 (±1.9) <sup>ns</sup>	92.0 (±2.4) <sup>*</sup>	58.7 (±6.0) <sup>**</sup>	26.7 (±4.5) <sup>***</sup>	20.2 (±2.5) <sup>***</sup>
PPF 17.5 µg/cm <sup>2</sup>	1.8 (±0.3) <sup>ns</sup>	92.1 (±1.1) <sup>*</sup>	48.8 (±8.2) <sup>**</sup>	24.7 (±5.0) <sup>***</sup>	16.0 (±5.9) <sup>***</sup>
PPF 26.3 µg/cm <sup>2</sup>	1.8 (±1.6) <sup>ns</sup>	92.5 (±1.6) <sup>*</sup>	42.0 (±8.2) <sup>**</sup>	9.9 (±9.5) <sup>***</sup>	4.8 (±6.0) <sup>***</sup>
PPF 35 µg/cm <sup>2</sup>	1.8 (±1.6) <sup>ns</sup>	92.1 (±2.5) <sup>*</sup>	20.3 (±10.6) <sup>***</sup>	5.7 (±2.3) <sup>***</sup>	1.4 (±0.9) <sup>***</sup>
PPF 70 µg/cm <sup>2</sup>	1.8 (±1.6) <sup>ns</sup>	92.0 (±3.0) <sup>*</sup>	5.7 (±3.7) <sup>***</sup>	0.0 (±0.0) <sup>***</sup>	0.0 (±0.0) <sup>***</sup>
PPF 105 µg/cm <sup>2</sup>	7.0 (±3.5) <sup>*</sup>	92.3 (±1.5) <sup>*</sup>	7.4 (±7.5) <sup>***</sup>	0.0 (±0.0) <sup>***</sup>	0.0 (±0.0) <sup>***</sup>
PPF 175 µg/cm <sup>2</sup>	39.1 (±11.4) <sup>**</sup>	82.0 (±2.7) <sup>**</sup>	4.7 (±4.0) <sup>**</sup>	0.0 (±0.0) <sup>***</sup>	0.0 (±0.0) <sup>***</sup>

Note: Mortality was measured at 24 h after PPF exposure. After blood-feeding, only fully engorged mosquitoes from each experimental group were kept for the measurements of eggs/female, hatching rate and relative reproduction rate determination. ns,  $p > 0.05$ ; \*,  $p < 0.05$ ; \*\*,  $p < 0.01$ ; \*\*\*,  $p < 0.001$