



S1 Fig. Pyrethrum repels *D. melanogaster* and *D. sukuzii*.

(A) Schematic drawing of a T-maze assay. (B) T-maze assay measures of pyrethrum repellency in *D. melanogaster* [$F_{(2,24)} = 7.96$, $P = 0.002$; $*P < 0.05$, $**P < 0.01$ compared to control, One-Way ANOVA, $n = 8$ for control, $n = 10$ for 10⁻² dilution ($v v^{-1}$), and $n = 9$ for 0.5 dilution ($v v^{-1}$)]. (C) T-maze assay measures of pyrethrum repellency in *D. sukuzii* [$t = 4.42$, $d.f. = 9$, $P = 0.002$; $**P < 0.01$ compared to control, t -test, $n = 4$ for control, and $n = 7$ for 0.5 dilution ($v v^{-1}$)]. (D) Schematic drawing of a two-choice attraction assay. (E) Two-choice attraction assay measures of pyrethrum repellency in *D. melanogaster* [$t = 5.16$, $d.f. = 10$, $P < 0.001$; $***P < 0.001$ compared to control, t -test, $n = 5$ for control, and $n = 7$ for 0.5 dilution ($v v^{-1}$)]. (F) Two-choice attraction assay measures of pyrethrum repellency in *D. sukuzii* [$t = 10.10$, $d.f. = 8$, $P < 0.001$; $***P < 0.001$ compared to control, t -test, $n = 4$ for control, and $n = 6$ for 0.5 dilution ($v v^{-1}$)].