



Larval Movement [↗](#)

PLOS Genetics

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EXTERNAL LINK

<https://doi.org/10.1371/journal.pgen.1007735>

THIS PROTOCOL ACCOMPANIES THE FOLLOWING PUBLICATION

Aw WC, Towarnicki SG, Melvin RG, Youngson NA, Garvin MR, Hu Y, Nielsen S, Thomas T, Pickford R, Bustamante S, Vila-Sanjurjo A, Smyth GK, Ballard JWO (2018) Genotype to phenotype: Diet-by-mitochondrial DNA haplotype interactions drive metabolic flexibility and organismal fitness. PLoS Genet 14(11): e1007735. doi: [10.1371/journal.pgen.1007735](https://doi.org/10.1371/journal.pgen.1007735)

PROTOCOL STATUS

Working

- 1 48 third instar female larvae from each mitotype were placed in 0.5% agar in petri dishes.
- 2 Individual larvae were then placed in quadrants of separate petri dishes.
- 3 Larvae were observed for 60 seconds and larvae trails were immediately traced onto the lid of each dish. The distance moved by each larva was measured independently by two investigators
- 4 Mean movement/larvae was recorded.



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