



Starvation Assay [↗](#)

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 72 early third instar wandering female larvae were collected from each mitotype and placed in lots of 12 into 6 vials
- 2 6 x 3 cm pieces of filter paper were wetted with ddH₂O and placed in each vial, and had water added twice daily to maintain humidity
- 3 Larvae were observed 5 times daily by gentle prodding to determine if they were alive.
- 4 Mean time to death was recorded.



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