Methods and protocols from Goncalves et al. (2017) for manipulating the diet and the microbiome of Drosophila

Zita Santos, Patrícia Francisco, Ricardo Leitão-Gonçalves, Margarida Anjos, Célia Baltazar, Ana Paula Elias, Gabriela Tondolo Fioreze, Margarida Anjos, Célia Baltazar, Ana Paula Elias, Pavel M. Itskov, Matthew D. W. Piper, Carlos Ribeiro

Abstract

This is a collection of methods and protocols from the manuscript: Gonçalves et al. Commensal bacteria and essential amino acids control food choice behavior and reproduction. Plos Biology. 2017 Apr 18.

Citation: Zita Santos, Patrícia Francisco, Ricardo Leitão-Gonçalves, Margarida Anjos, Célia Baltazar, Ana Paula Elias, Gabriela Tondolo Fioreze, Margarida Anjos, Célia Baltazar, Ana Paula Elias, Pavel M. Itskov, Matthew D. W. Piper, Carlos Ribeiro Methods and protocols from Goncalves et al. (2017) for manipulating the diet and the microbiome of Drosophila. **protocols.io**

dx.doi.org/10.17504/protocols.io.hdtb26n

Published: 25 Apr 2017

Collection

PROTOCOLS

1. Growing Drosophila gut bacteria

CONTACT: Carlos Ribeiro

2. Holidic media (HM) preparation

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3. Inoculation of Holidic Media (HM) with bacteria to generate gnotobiotic Drosophila

CONTACT: Carlos Ribeiro

4. Generating and Rearing Axenic Drosophila

CONTACT: Carlos Ribeiro

5. Calculating the internal bacterial load of Drosophila

CONTACT: Carlos Ribeiro

6. Rearing of Drosophila on Holidic Media (HM) for feeding behavior assays

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7. Rearing of gnotobiotic Drosophila on Holidic Media (HM) for feeding behavior assays

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