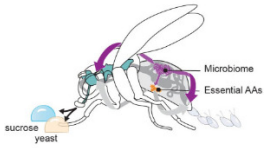
Jul 31, 2018 Version 2

Methods and protocols from 2017 Leitão-Gonçalves et al. for manipulating the diet and the microbiome of Drosophila V.2



PLOS Biology

DOI
dx.doi.org/10.17504/protocols.io.r89d9z6

Zita Santos[1], Patrícia Francisco[1], Margarida Anjos[1], Célia Baltazar[1], Ana Paula Elias[1], Gabriela Tondolo Fioreze[1], Pavel M. Itskov[1], Matthew D. W. Piper[1], Carlos Ribeiro[1]

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DOI: https://dx.doi.org/10.17504/protocols.io.r89d9z6

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Manuscript citation:
Leitão-Gonçalves R, Carvalho-Santos Z, Francisco AP, Fioreze GT, Anjos M, Baltazar C, Elias AP, Itskov PM, Piper MDW, Ribeiro C (2017) Commensal bacteria and essential amino acids control food choice behavior and reproduction. PLoS Biol 15(4): e2000862. doi:10.1371/journal.pbio.2000862

Protocol status: Working
We use this protocol and it's working

Created: July 31, 2018

Last Modified: July 31, 2018

Collection Integer ID: 14337

Keywords: Drosophila, holidic medium, axenic, gnotobiotic, feeding behavior, feeding decisions, microbiota, diet, nutrients, commensals, microbiome of drosophila, drosophila, microbiome, commensal bacteria, food choice behavior, essential amino acid, plos biology

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.**

Troubleshooting

Files

SEARCH

Protocol

NAME

Growing Drosophila gut bacteria

VERSION 1

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Holidic media (HM) preparation

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Protocol

NAME

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

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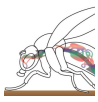
Protocol



NAME

Generating and Rearing Axenic Drosophila

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Calculating the internal bacterial load of Drosophila

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NAME

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

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Protocol

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

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