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

PLOS Biology

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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.](#)

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

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FILES

Protocol

NAME

Growing Drosophila gut bacteria

VERSION 1

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Protocol

NAME

Holidic media (HM) preparation

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Protocol

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NAME

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

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Generating and Rearing Axenic Drosophila

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Protocol

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

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