

Resource Summary Report

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R scripts for FLIC data analysis

RRID:SCR_018386

Type: Tool

Proper Citation

R scripts for FLIC data analysis (RRID:SCR_018386)

Resource Information

URL: <https://www.flidea.tech/flic-support>

Proper Citation: R scripts for FLIC data analysis (RRID:SCR_018386)

Description: R Code used to analyze FLIC data. Functions are provided to examine interactions with food for single well and food choice experiments when fly makes physical contact with liquid food.

Synonyms: R scripts for Fly Liquid Food Interaction Counter data analysis

Resource Type: data analysis software, data processing software, software application, source code, software resource

Defining Citation: [PMID:24978054](#)

Keywords: Fly Liquid Food Interaction Counter, FLIC, FLIC data analysis, fly physical contact, liquid food fly interaction, data analysis

Availability: Free, Available for download, Freely available

Resource Name: R scripts for FLIC data analysis

Resource ID: SCR_018386

Alternate URLs: https://github.com/PletcherLab/FLIC_R_Code

Record Creation Time: 20220129T080340+0000

Record Last Update: 20260814T043022+0000

Ratings and Alerts

No rating or validation information has been found for R scripts for FLIC data analysis.

No alerts have been found for R scripts for FLIC data analysis.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Al Darwish H, et al. (2026) Escherichia coli Mono-Association Modulates Ionotropic Receptor-Dependent Behaviors in Drosophila melanogaster. *Insects*, 17(3).

Kubrak O, et al. (2026) Gut hormone signaling drives sex differences in metabolism and behavior. *Molecular metabolism*, 103, 102312.

Ahrentl??v N, et al. (2025) Protein-responsive gut hormone tachykinin directs food choice and impacts lifespan. *Nature metabolism*, 7(6), 1223.

Malita A, et al. (2025) Glia-mediated gut-brain cytokine signaling couples sleep to intestinal inflammatory responses induced by oxidative stress. *eLife*, 13.

Li S, et al. (2025) Developmental sleep reallocation enables metabolic adaptation in desert flies. *bioRxiv : the preprint server for biology*.

Zike AB, et al. (2025) Adipocyte-Derived Amino Acid Storage Proteins are Required for Germline Stem Cell Maintenance in Adult Drosophila Females. *bioRxiv : the preprint server for biology*.

Opoola M, et al. (2024) Con-FLIC: concurrent measurement of feeding behaviors and food consumption in Drosophila at single-fly resolution. *microPublication biology*, 2024.

Umezaki Y, et al. (2024) Taste triggers a homeostatic temperature control in hungry flies. *eLife*, 13.

Fleck SA, et al. (2024) Auxin exposure disrupts feeding behavior and fatty acid metabolism in adult Drosophila. *eLife*, 12.

Weaver KJ, et al. (2023) Behavioral dissection of hunger states in Drosophila. *eLife*, 12.

Fleck SA, et al. (2023) Auxin Exposure Disrupts Feeding Behavior and Fatty Acid Metabolism in Adult Drosophila. *bioRxiv : the preprint server for biology*.

Pardo-Garcia TR, et al. (2023) Food memory circuits regulate eating and energy balance. *Current biology : CB*, 33(2), 215.

Munneke AS, et al. (2022) The serotonin receptor 5-HT2A modulates lifespan and protein feeding in Drosophila melanogaster. *Frontiers in aging*, 3, 1068455.

May CE, et al. (2020) Dietary sugar inhibits satiation by decreasing the central processing of sweet taste. *eLife*, 9.