

Resource Summary Report

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HMS Drosophila RNAi Screening Center

RRID:SCR_009794

Type: Tool

Proper Citation

HMS Drosophila RNAi Screening Center (RRID:SCR_009794)

Resource Information

URL: <http://harvard.eagle-i.net/i/0000012d-4d06-be70-2162-17a280000000>

Proper Citation: HMS Drosophila RNAi Screening Center (RRID:SCR_009794)

Description: Core facility that provides the following services: Drosophila genome-wide and focused cell-based RNAi libraries, Custom synthesis of double-stranded RNAs for Drosophila cell-based RNAi.

The DRSC facilitates genome-wide and related cell-based screening at our state-of-the-art facility. Since our beginnings in 2003, we have successfully guided screeners through the process, including help with assay development and optimization, data and image analysis, and planning of follow-up assays. Screens performed at the DRSC have resulted in an impressive number of publications on a wide range of topics in high-profile journals.

Resource Type: access service resource, core facility, service resource

Keywords: rnai screening

Resource Name: HMS Drosophila RNAi Screening Center

Resource ID: SCR_009794

Alternate IDs: nlx_156261

Alternate URLs: <http://www.flyrnai.org/>

Record Creation Time: 20220129T080254+0000

Record Last Update: 20260829T183204+0000

Ratings and Alerts

No rating or validation information has been found for HMS Drosophila RNAi Screening Center.

No alerts have been found for HMS Drosophila RNAi Screening Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Wang F, et al. (2026) Vitellogenin-3-like and Vitellogenin receptor Genes Involved in the Regulation of Ovarian Development and Oviposition in *Diaphorina citri*. *Insects*, 17(6).

Merigliano C, et al. (2024) "Off-pore" nucleoporins relocalize heterochromatic breaks through phase separation. *bioRxiv : the preprint server for biology*.

Fellmeth JE, et al. (2023) A Dynamic population of prophase CENP-C is required for meiotic chromosome segregation. *bioRxiv : the preprint server for biology*.

Zhuravlev AV, et al. (2023) LIM-kinase 1 effects on memory abilities and male courtship song in *Drosophila* depend on the neuronal type. *Vavilovskii zhurnal genetiki i selektsii*, 27(3), 250.

Fellmeth JE, et al. (2023) A dynamic population of prophase CENP-C is required for meiotic chromosome segregation. *PLoS genetics*, 19(11), e1011066.

Ko HJ, et al. (2021) TmlKK?? Is Required to Confer Protection Against Gram-Negative Bacteria, *E. coli* by the Regulation of Antimicrobial Peptide Production in the *Tenebrio molitor* Fat Body. *Frontiers in physiology*, 12, 758862.

Zirin J, et al. (2015) Regulators of autophagosome formation in *Drosophila* muscles. *PLoS genetics*, 11(2), e1005006.

Sopko R, et al. (2015) A systems-level interrogation identifies regulators of *Drosophila* blood cell number and survival. *PLoS genetics*, 11(3), e1005056.

Jafari S, et al. (2015) Cis-regulatory mechanisms for robust olfactory sensory neuron class-restricted odorant receptor gene expression in *Drosophila*. *PLoS genetics*, 11(3), e1005051.

Lee JE, et al. (2015) *Drosophila melanogaster* activating transcription factor 4 regulates glycolysis during endoplasmic reticulum stress. *G3 (Bethesda, Md.)*, 5(4), 667.

Liu Y, et al. (2015) EHFPI: a database and analysis resource of essential host factors for pathogenic infection. *Nucleic acids research*, 43(Database issue), D946.

Jang BY, et al. (2015) Role of Drosophila EDEMs in the degradation of the alpha-1-antitrypsin Z variant. *International journal of molecular medicine*, 35(4), 870.

Perkins AD, et al. (2014) The systematic identification of cytoskeletal genes required for *Drosophila melanogaster* muscle maintenance. *Scientific data*, 1, 140002.

Bohla D, et al. (2014) A functional insulator screen identifies NURF and dREAM components to be required for enhancer-blocking. *PloS one*, 9(9), e107765.

Sanchez-Alvarez M, et al. (2014) Signaling networks converge on TORC1-SREBP activity to promote endoplasmic reticulum homeostasis. *PloS one*, 9(7), e101164.

Pereira AM, et al. (2014) Plasticity of the MAPK signaling network in response to mechanical stress. *PloS one*, 9(7), e101963.

Zacharogianni M, et al. (2014) A stress assembly that confers cell viability by preserving ERES components during amino-acid starvation. *eLife*, 3.

Flockhart IT, et al. (2012) FlyRNAi.org--the database of the *Drosophila* RNAi screening center: 2012 update. *Nucleic acids research*, 40(Database issue), D715.

Contrino S, et al. (2012) modMine: flexible access to modENCODE data. *Nucleic acids research*, 40(Database issue), D1082.