

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 30, 2026

FlyBase

RRID:SCR_006549

Type: Tool

Proper Citation

FlyBase (RRID:SCR_006549)

Resource Information

URL: <http://flybase.org/>

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Description: Database of Drosophila genetic and genomic information with information about stock collections and fly genetic tools. Gene Ontology (GO) terms are used to describe three attributes of wild-type gene products: their molecular function, the biological processes in which they play a role, and their subcellular location. Additionally, FlyBase accepts data submissions. FlyBase can be searched for genes, alleles, aberrations and other genetic objects, phenotypes, sequences, stocks, images and movies, controlled terms, and Drosophila researchers using the tools available from the "Tools" drop-down menu in the Navigation bar.

Abbreviations: FB

Synonyms: flybase A Drosophila Genomic and Genetic Database, FlyBase: A Database of Drosophila Genes and Genomes, FLYBASE, FlyBase: A Database of Drosophila Genes & Genomes, FB

Resource Type: service resource, data or information resource, data repository, organism-related portal, database, storage service resource, topical portal, portal

Defining Citation: [PMID:24234449](#), [PMID:22127867](#), [PMID:18948289](#), [PMID:18641940](#), [PMID:18160408](#), [PMID:17099233](#), [PMID:16381917](#), [PMID:15608223](#), [PMID:12519974](#), [PMID:11752267](#), [PMID:11465064](#), [PMID:9847148](#), [PMID:9399806](#), [PMID:9045212](#), [PMID:8594600](#), [PMID:8578603](#), [PMID:7937045](#), [PMID:7925011](#)

Keywords: RIN, Resource Information Network, mutant, gene, genome, blast, genotype, phenotype, allele, sequence, stock, image, movie, controlled term, video resource, image collection, life-cycle, genome, expression, rna-seq, genetics, drosophilidae, bio.tools, FASEB list, RRID Community Authority

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NIHGRI P41 HG000739

Resource Name: FlyBase

Resource ID: SCR_006549

Alternate IDs: nif-0000-00558, r3d100010591, OMICS_01649, biotools:flybase

Alternate URLs: <https://bio.tools/flybase>, <https://doi.org/10.17616/R3903Q>

Old URLs: <http://flybase.net>

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License URLs:
https://wiki.flybase.org/wiki/FlyBase:About#FlyBase_Licenses_and_Availability

Record Creation Time: 20220129T080236+0000

Record Last Update: 20260729T044135+0000

Ratings and Alerts

No rating or validation information has been found for FlyBase.

No alerts have been found for FlyBase.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4025 mentions in open access literature.

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

Allen AM, et al. (2026) Differential neuronal survival defines a novel axis of sexual dimorphism in the Drosophila brain. Cell genomics, 101125.

Leichter SM, et al. (2026) Polycomb misregulation in enterocytes drives tissue decline in the aging Drosophila intestine. Genome research, 36(1), 102.

Budhathoki R, et al. (2026) Perinuclear non-centrosomal microtubules direct nuclei dispersion during epithelial morphogenesis. The Journal of cell biology, 225(1).

Almasoud J, et al. (2026) The adipose tissue has an apical-basal polarity required for Col IV-dependent cell-cell adhesion. *The Journal of cell biology*, 225(3).

Horsley N, et al. (2026) CrisprBuildr: an open-source application for CRISPR-mediated genome engineering in *Drosophila melanogaster*. *G3 (Bethesda, Md.)*, 16(1).

Bonnet J, et al. (2026) Histone modification cross-talk and protein complex diversification confer plasticity to Polycomb repression. *Genes & development*, 40(1-2), 43.

Lund VK, et al. (2026) A Syd and RUFY dynein adaptor complex mediates axonal circulation of dense core vesicles. *The Journal of cell biology*, 225(3).

Qu X, et al. (2026) Investigation of epilepsy-related genes in a *Drosophila* model. *Neural regeneration research*, 21(1), 195.

Ryu S, et al. (2026) Transcriptional regulation of neuropeptide receptors underlies context-dependent adaptation in *Drosophila melanogaster*. *FEBS open bio*, 16(1), 90.

Low TCH, et al. (2026) The C-terminal ZZ domain of the *Drosophila* ORB2 RNA-binding protein is required for spermatid individualization. *G3 (Bethesda, Md.)*, 16(1).

Jay KL, et al. (2026) Resolving SLC6A1 variable expressivity with deep clinical phenotyping and *Drosophila* models. *HGG advances*, 7(1), 100541.

Allen AM, et al. (2025) A high-resolution atlas of the brain predicts lineage and birth order underlying neuronal identity. *Cell genomics*, 101103.

Robinson JW, et al. (2025) The *Drosophila* adult brain: short overview of structure, function, and resources Graphical Review Paper. *Current research in insect science*, 7, 100113.

Zhang W, et al. (2025) Molecular mechanism on autophagy associated cardiovascular dysfunction in *Drosophila melanogaster*. *Frontiers in cell and developmental biology*, 13, 1512341.

Shi R, et al. (2025) Chromosome-Level Genome Assembly of the Leafcutter Bee *Megachile rotundata* Reveals Its Ecological Adaptation and Pollination Biology. *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*, 12(23), e2417054.

Brenman-Suttner DB, et al. (2025) Exploring the genetics of social behaviour in *C. calcarata*. *Scientific reports*, 15(1), 5580.

Blumenstiel JP, et al. (2025) Nested likelihood-ratio testing of the nonsynonymous:synonymous ratio suggests greater adaptation in the piRNA machinery of *Drosophila melanogaster* compared with *Drosophila ananassae* and *Drosophila willistoni*, two species with higher repeat content. *G3 (Bethesda, Md.)*, 15(4).

Andrieu C, et al. (2025) Cell deformations generated by stochastic actomyosin waves drive in vivo random-walk swimming migration. *Journal of cell science*, 138(10).

Huang YT, et al. (2025) Activation of a Src-JNK pathway in unscheduled endocycling cells of the *Drosophila* wing disc induces a chronic wounding response. *bioRxiv : the preprint server for biology*.

Gillen A, et al. (2025) DIGITtally-a new tool for streamlining and simplifying *Drosophila melanogaster* meta-analysis. *Nucleic acids research*, 53(W1), W253.