

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

[w\[1118\]](#)

RRID:BDSC_5905

Type: Organism

Proper Citation

RRID:BDSC_5905

Organism Information

URL: <https://n2t.net/bdsc:5905>

Proper Citation: RRID:BDSC_5905

Description: Drosophila melanogaster with name w[1118] from BDSC.

Species: Drosophila melanogaster

Notes: Isogenized for chr 1;2;3, with w[1118] line. Tested for normal learning, memory and circadian rhythms, per John Roote. Donor: Michael Ashburner, University of Cambridge

Affected Gene: w

Genomic Alteration: Chromosome 1

Catalog Number: 5905

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_5905, BL5905

Organism Name: w[1118]

Record Creation Time: 20240911T222156+0000

Record Last Update: 20260801T194619+0000

Ratings and Alerts

No rating or validation information has been found for w[1118].

No alerts have been found for w[1118].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 471 mentions in open access literature.

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

Okamoto N, et al. (2026) Neuroendocrine control of calcium mobilization in the fruit fly. *Nature*, 649(8095), 122.

Wang M, et al. (2026) Impaired VLCFA-peroxisome-mediated intestinal epithelial repair causes gastrointestinal sequelae of long COVID. *Developmental cell*.

Brashaw CR, et al. (2026) Nerve injury promotes glial immune responses through a Draper/Ninjurin A pathway. *Neurobiology of disease*, 218, 107242.

Chen W, et al. (2026) Domain-specific mutations in Na⁺/K⁺-ATPase ?? subunit differentially regulate sleep and circadian rhythms in *Drosophila*. *Experimental neurology*, 396, 115557.

Zike AB, et al. (2025) Estrogen-Related Receptor is Required in Adult *Drosophila* Females for Germline Stem Cell Maintenance. *bioRxiv : the preprint server for biology*.

Karunaraj P, et al. (2025) A *Drosophila* model for Costello Syndrome caused by Ras mutation K117R. *bioRxiv : the preprint server for biology*.

Kim CJ, et al. (2025) *Drosophila* miR-263b-5p controls wing developmental growth by targeting Akt. *Animal cells and systems*, 29(1), 35.

Sheng Y, et al. (2025) Fruit flies exploit behavioral fever as a defense strategy against parasitic insects. *Science advances*, 11(24), eadw0191.

Alfonso-Gonzalez C, et al. (2025) ELAV mediates circular RNA biogenesis in neurons. *Genes & development*, 39(17-18), 1064.

Fan XB, et al. (2025) A Token Stimulus Receptor Tuned to Gluconapin in the Cabbage White Butterfly. *Journal of agricultural and food chemistry*, 73(33), 21022.

Dew-Budd K, et al. (2025) Mapping of genotype-by-environment interaction loci for Metabolic Syndrome-like traits using the multi-parent *Drosophila* Synthetic Population Resource determines that main genetic effects are distinct from environment dependent

plastic loci. bioRxiv : the preprint server for biology.

Cong F, et al. (2025) Translocation of gut bacteria promotes tumor-associated mortality by inducing immune-activated renal damage. *The EMBO journal*, 44(13), 3586.

Saito K, et al. (2025) Ecdysteroid-DopEcR signaling in neuronal and midgut cells mediates toxin avoidance and detoxification in *Drosophila*. *Current biology : CB*, 35(14), 3418.

El Kamali L, et al. (2025) Comprehensive investigation of SARS-CoV-2 intestinal pathogenesis in *Drosophila*. bioRxiv : the preprint server for biology.

Tng TJW, et al. (2025) Ergothioneine Treatment Ameliorates the Pathological Phenotypes of Parkinson's Disease Models. *Journal of neurochemistry*, 169(7), e70168.

Tumkaya T, et al. (2025) Entirely synthetic memory inception via dual optogenetic activation of sensory and dopaminergic neurons. *iScience*, 28(10), 113540.

Hsieh WC, et al. (2025) Multilayer control of KaiR1D-autoreceptor function by the auxiliary protein Neto. bioRxiv : the preprint server for biology.

Ryckebusch F, et al. (2025) Layers of immunity: Deconstructing the *Drosophila* effector response. *eLife*, 14.

Lee SH, et al. (2025) *Drosophila* Pyruvate Kinase Links Metabolic State with Circadian Output via TARANIS and PDF. *Research square*.

Lee T, et al. (2025) *Drosophila* miR-33-5p Suppresses Cell Growth by Inhibiting ERK Signaling. *Biology*, 14(12).