

Resource Summary Report

Generated by ASWG on Aug 3, 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 [ASWG](#) .

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.

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.

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.

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

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.

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.

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

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.

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

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*.

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

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

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

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