

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

w[1118]; P{w[+mC]=UAS-EGFP}5a.2

RRID:BDSC_5431

Type: Organism

Proper Citation

RRID:BDSC_5431

Organism Information

URL: <https://n2t.net/bdsc:5431>

Proper Citation: RRID:BDSC_5431

Description: Drosophila melanogaster with name w[1118]; P{w[+mC]=UAS-EGFP}5a.2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Eric Spana, Duke University; Donor's Source: Martin Zeidler, Harvard Medical School

Affected Gene: Avic\GFP, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 5431

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_5431, BDSC:5431, BL5431

Organism Name: w[1118]; P{w[+mC]=UAS-EGFP}5a.2

Record Creation Time: 20240911T222152+0000

Record Last Update: 20260919T202430+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mC]=UAS-EGFP}5a.2.

No alerts have been found for w[1118]; P{w[+mC]=UAS-EGFP}5a.2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 454 mentions in open access literature.

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

Peng G, et al. (2026) Toll signaling controls stem cell proliferation in intestinal regeneration and tumorigenesis. EMBO reports, 27(5), 1270.

Gadau A, et al. (2026) Molecular evolution of CO₂-sensing ab1C neurons underlies divergent sensory responses in the Drosophila suzukii species group. PLoS genetics, 22(1), e1012024.

Perry CL, et al. (2026) Conservation of CYP307 function between low-identity homologs. microPublication biology, 2026.

Xu Y, et al. (2026) Streptomyces produce a diphtheria toxin-like exotoxin that targets insects. Nature microbiology, 11(5), 1271.

Rodríguez-Cordero JA, et al. (2026) Peripheral modulation of Pumilio in intestinal stem cells and the corpus allatum affects sleep latency in Drosophila. PLoS one, 21(4), e0337303.

Angioli C, et al. (2026) Tumor suppressor function of SHMT in a Drosophila RasV12Dl_gRNAi model: DNA damage and synergistic gene-nutrient interaction with PLP. Cell death & disease, 17(1).

Yu K, et al. (2026) A Drosophila tumor model identifies a conserved Upd-JAK/STAT-Akh signaling axis associated with metabolic changes in cancer cachexia. Disease models & mechanisms, 19(7).

Bener MB, et al. (2026) Stem cells resume asymmetric division upon niche re-entry through reactivating the centrosome orientation checkpoint. Communications biology, 9(1).

Miller-Fleming L, et al. (2026) An optimized translating ribosome affinity purification protocol for low-abundance Drosophila tissues. iScience, 29(5), 115530.

Kawadkar J, et al. (2026) Nup107 is a crucial regulator of torso-mediated metamorphic transition in Drosophila melanogaster. eLife, 14.

Li KL, et al. (2026) roX1 and roX2 lncRNAs promote heterochromatinization in intestinal stem cells and impair longevity. *EMBO reports*, 27(12), 3394.

Xu Y, et al. (2026) Xuanfei Baidu decoction alleviates intestinal inflammation and modulates microbiota distribution by suppressing IMD/NF- κ B and JNK signaling pathways. *Frontiers in microbiology*, 17, 1853715.

Gong F, et al. (2026) Calcium overload induced mitochondrial and lysosomal dysfunction is regulated by Tausled-like kinase in α -synucleinopathy. *Cell death & disease*, 17(1), 10.

Wu K, et al. (2025) Werner syndrome exonuclease promotes gut regeneration and causes age-associated gut hyperplasia in *Drosophila*. *PLoS biology*, 23(4), e3003121.

Singh A, et al. (2025) Cell-death induced immune response and coagulopathy promote cachexia in *Drosophila*. *bioRxiv : the preprint server for biology*.

Curt JR, et al. (2025) Ambivalent partnership of the *Drosophila* posterior class Hox protein Abdominal-B with Extradenticle and Homothorax. *PLoS genetics*, 21(1), e1011355.

Higginson LA, et al. (2025) The RNA exosome maintains cellular RNA homeostasis by controlling transcript abundance in the brain. *Cell reports*, 45(1), 116729.

Qin P, et al. (2025) Age mosaic of gut epithelial cells prevents aging. *Nature communications*, 16(1), 6734.

Sarkar B, et al. (2025) Regulation of Notch signaling by multiple Ankyrin repeat containing protein Mask. *Cell communication and signaling : CCS*, 23(1), 358.

Li K, et al. (2025) Histone acetylation homeodynamics navigates cell survival and apoptosis. *Nature communications*, 16(1), 11358.