

Resource Summary Report

Generated by [dkNET](#) on Aug 2, 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, BL5431

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

Record Creation Time: 20240911T222152+0000

Record Last Update: 20260801T194613+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 432 mentions in open access literature.

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

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

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

Suzawa M, et al. (2025) The insulin-like peptides Dilp2 and Dilp6 exhibit divergent responses to dietary sugar and protein in *Drosophila* larvae. *Proceedings of the National Academy of Sciences of the United States of America*, 122(42), e2426930122.

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

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.

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

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

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

Li J, et al. (2025) Mechanisms of PP2A-Ankle2 dependent nuclear reassembly after mitosis. *eLife*, 13.

Miao H, et al. (2025) Electrical silencing of dendritic arborization neurons rescues toxic polyglutamine-induced locomotion defect. *Fly*, 19(1), 2519687.

Almeida Machado Costa C, et al. (2025) Single-cell transcriptomics reveals stepwise transformation of epithelial cells into Non-Professional Phagocytes. *PLoS genetics*,

21(12), e1011953.

Xiu M, et al. (2025) Caffeic Acid Protects Against Ulcerative Colitis via Inhibiting Mitochondrial Apoptosis and Immune Overactivation in *Drosophila*. *Drug design, development and therapy*, 19, 2157.

Toshniwal AG, et al. (2025) The fate of pyruvate dictates cell growth by modulating cellular redox potential. *eLife*, 13.

Marcetteau J, et al. (2025) Transdifferentiation of plasmatocytes to crystal cells in the lymph gland of *Drosophila melanogaster*. *EMBO reports*, 26(8), 2077.

Dong Q, et al. (2025) The blood-brain barrier regulates brain tumor growth through the SLC36 amino acid transporter Pathetic in *Drosophila*. *PLoS biology*, 23(11), e3003496.

Miao T, et al. (2025) Renal Coenzyme A (CoA) Production Fuels Stem Cell Proliferation and Tumor Growth. *bioRxiv : the preprint server for biology*.

Alabdi L, et al. (2025) SLK is mutated in individuals with a neurodevelopmental disorder. *EBioMedicine*, 116, 105725.

Bener MB, et al. (2025) Detection of dedifferentiated stem cells in *Drosophila* testis. *bioRxiv : the preprint server for biology*.

Akagi K, et al. (2025) Integration of Dynamical Network Biomarkers, Control Theory and *Drosophila* Model Identifies Vasa/DDX4 as the Potential Therapeutic Targets for Metabolic Syndrome. *Cells*, 14(6).

Pasam ES, et al. (2025) Dissecting metabolic regulation of behaviors and physiology during aging in *Drosophila*. *Biogerontology*, 26(5), 165.