

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

w[1118]; P{w[+mC]=UAS-lacZ.NZ}J312

RRID:BDSC_3956

Type: Organism

Proper Citation

RRID:BDSC_3956

Organism Information

URL: <https://n2t.net/bdsc:3956>

Proper Citation: RRID:BDSC_3956

Description: Drosophila melanogaster with name w[1118]; P{w[+mC]=UAS-lacZ.NZ}J312 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Yash Hiromi, National Institute of Genetics

Affected Gene: Eco\lacZ, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 3956

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_3956, BDSC:3956, BL3956

Organism Name: w[1118]; P{w[+mC]=UAS-lacZ.NZ}J312

Record Creation Time: 20240911T222140+0000

Record Last Update: 20260912T203058+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mC]=UAS-lacZ.NZ}J312.

No alerts have been found for w[1118]; P{w[+mC]=UAS-lacZ.NZ}J312.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 41 mentions in open access literature.

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

Ren Q, et al. (2026) Glia Regulate the Timing of Photoreceptor Differentiation in the Drosophila Visual System. *Glia*, 74(2), e70133.

Grmai L, et al. (2026) Sexually dimorphic ATF4 expression in the fat confers female stress tolerance in *Drosophila melanogaster*. *Genetics*, 233(2).

Cocker BMJ, et al. (2026) Glia generate distinct visual processing centres by locally inhibiting ERK activity in an optic lobe neuroepithelium. *bioRxiv : the preprint server for biology*.

Donoghue A, et al. (2026) Dynamic integration of morphogen and juxtacrine signaling specifies cell fate at single-cell resolution. *Current biology : CB*, 36(14), 3580.

Zheng Y, et al. (2025) Age-related declines in niche self-renewal factors controls testis aging and spermatogonial stem cell competition through Hairless, Imp, and Chinmo. *bioRxiv : the preprint server for biology*.

Dubey SK, et al. (2025) Aberrant nuclear pore complex degradation contributes to neurodegeneration in VCP disease. *Neuron*.

Guo Y, et al. (2025) Loss of nuclear envelope bud formation leads to mitophagy initiation in *Drosophila* muscles. *Autophagy reports*, 4(1), 2471121.

Wang R, et al. (2025) Signals from the niche promote distinct modes of translation initiation to control stem cell differentiation and renewal in the *Drosophila* testis. *PLoS biology*, 23(3), e3003049.

Mishra AK, et al. (2025) Hyperactive Rac converts sublethal nibbling to lethal phagocytosis in vivo. *bioRxiv : the preprint server for biology*.

Guo X, et al. (2025) Aging-related peroxisomal dysregulation disrupts intestinal stem cell differentiation through alterations of very long-chain fatty acid oxidation. *PLoS biology*, 23(12), e3003552.

Sew WQG, et al. (2025) Control of mitochondrial dynamics by the metabolic regulator dPGC1 limits Yorkie-induced oncogenic growth in *Drosophila*. *PLoS biology*, 23(12), e3003523.

Tiwari P, et al. (2025) Overexpression of *Drosophila* NUAK or Constitutively-Active Formin-Like Promotes the Formation of Aberrant Myofibrils. *Cytoskeleton* (Hoboken, N.J.).

Harsh S, et al. (2025) Post-transcriptional suppression of the pioneer factor Zelda protects the adult *Drosophila* testis from activation of the ovary program. *PLoS biology*, 23(12), e3003535.

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

Guo Y, et al. (2024) Protocol for affinity purification-mass spectrometry interactome profiling in larvae of *Drosophila melanogaster*. *STAR protocols*, 5(2), 103064.

Sung H, et al. (2024) Disrupted endoplasmic reticulum-mediated autophagosomal biogenesis in a *Drosophila* model of C9-ALS-FTD. *Autophagy*, 20(1), 94.

Chen J, et al. (2024) Astrocyte growth is driven by the Tre1/S1pr1 phospholipid-binding G protein-coupled receptor. *Neuron*, 112(1), 93.

Grmai L, et al. (2024) Sexually dimorphic ATF4 expression in the fat confers female stress tolerance in *Drosophila melanogaster*. *bioRxiv : the preprint server for biology*.

Grmai L, et al. (2024) Integrated stress response signaling acts as a metabolic sensor in fat tissues to regulate oocyte maturation and ovulation. *Cell reports*, 43(3), 113863.

Dutta SB, et al. (2023) EGFR-dependent suppression of synaptic autophagy is required for neuronal circuit development. *Current biology : CB*, 33(3), 517.