

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

[w\[1118\]; P{w\[+mC\]=UAS-mito-HA-GFP.AP}3, e\[1\]](#)

RRID:BDSC_8443

Type: Organism

Proper Citation

RRID:BDSC_8443

Organism Information

URL: <https://n2t.net/bdsc:8443>

Proper Citation: RRID:BDSC_8443

Description: Drosophila melanogaster with name w[1118]; P{w[+mC]=UAS-mito-HA-GFP.AP}3, e[1] from BDSC.

Species: Drosophila melanogaster

Notes: Identity of ebony allele is a guess. Donor: Bill Saxton & Aaron Pilling, Indiana University, Bloomington

Affected Gene: e, Avic\GFP, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 8443

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8443, BL8443

Organism Name: w[1118]; P{w[+mC]=UAS-mito-HA-GFP.AP}3, e[1]

Record Creation Time: 20240911T222216+0000

Record Last Update: 20260829T185605+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mC]=UAS-mito-HA-GFP.AP}3, e[1].

No alerts have been found for w[1118]; P{w[+mC]=UAS-mito-HA-GFP.AP}3, e[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Chandrasegaram R, et al. (2026) Single-molecule mitochondrial DNA imaging reveals heteroplasmy dynamics shaped by developmental bottlenecks and selection in vivo. *Developmental cell*, 61(5), 1146.

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.

Richhariya S, et al. (2025) Metabolic rewiring prevents neurodegeneration caused by chronic mitochondrial dysfunction. *Current biology : CB*, 35(22), 5443.

Xu D, et al. (2025) RpS24 Is Required for Meiotic Divisions and Spermatid Differentiation During Drosophila Spermatogenesis. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(11), e70646.

Bell KS, et al. (2025) Tissue-Specific Fluorescent Protein Turnover in Free-Moving Flies. *Insects*, 16(6).

Suárez Freire S, et al. (2024) The exocyst complex controls multiple events in the pathway of regulated exocytosis. *eLife*, 12.

Au WH, et al. (2024) Activation of the Keap1/Nrf2 pathway suppresses mitochondrial dysfunction, oxidative stress, and motor phenotypes in C9orf72 ALS/FTD models. *Life science alliance*, 7(9).

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

Nitta Y, et al. (2024) Drosophila model to clarify the pathological significance of OPA1 in autosomal dominant optic atrophy. *eLife*, 12.

Layalle S, et al. (2024) The ALS-associated KIF5A P986L variant is not pathogenic for Drosophila motoneurons. *Scientific reports*, 14(1), 19540.

Haynes PR, et al. (2024) A neuron-glia lipid metabolic cycle couples daily sleep to mitochondrial homeostasis. *Nature neuroscience*, 27(4), 666.

Wang F, et al. (2024) SARS-CoV-2 membrane protein induces neurodegeneration via affecting Golgi-mitochondria interaction. *Translational neurodegeneration*, 13(1), 68.

Wang R, et al. (2023) PINK1, Keap1, and Rtnl1 regulate selective clearance of endoplasmic reticulum during development. *Cell*, 186(19), 4172.

Soustelle L, et al. (2023) ALS-Associated KIF5A Mutation Causes Locomotor Deficits Associated with Cytoplasmic Inclusions, Alterations of Neuromuscular Junctions, and Motor Neuron Loss. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(47), 8058.

Pantalia M, et al. (2023) Drosophila mutants lacking the glial neurotransmitter-modifying enzyme Ebony exhibit low neurotransmitter levels and altered behavior. *Scientific reports*, 13(1), 10411.

McMullen E, et al. (2023) Glycolytically impaired Drosophila glial cells fuel neural metabolism via β -oxidation. *Nature communications*, 14(1), 2996.

Nemtsova Y, et al. (2023) Compartment specific mitochondrial dysfunction in Drosophila knock-in model of ALS reversed by altered gene expression of OXPHOS subunits and pro-fission factor Drp1. *Molecular and cellular neurosciences*, 125, 103834.

Li X, et al. (2023) A distinct Acyl-CoA binding protein (ACBP6) shapes tissue plasticity during nutrient adaptation in Drosophila. *Nature communications*, 14(1), 7599.

Hewitt VL, et al. (2022) Decreasing pdzd8-mediated mito-ER contacts improves organismal fitness and mitigates A β 42 toxicity. *Life science alliance*, 5(11).

Usher JL, et al. (2022) Parkin drives pS65-Ub turnover independently of canonical autophagy in Drosophila. *EMBO reports*, 23(12), e53552.