

Resource Summary Report

Generated by [ASWG](#) on Aug 5, 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: 20260801T194654+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 40 mentions in open access literature.

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

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.

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.

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

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).

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

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.

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.

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.

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

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.

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.

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).

Qu C, et al. (2022) RhoA/ROCK Signaling Regulates Drp1-Mediated Mitochondrial Fission During Collective Cell Migration. Frontiers in cell and developmental biology, 10, 882581.

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

Zhang C, et al. (2022) EGFR signaling activates intestinal stem cells by promoting mitochondrial biogenesis and β -oxidation. Current biology : CB, 32(17), 3704.

Molano-Fernández M, et al. (2022) Cyclin E overexpression in the Drosophila accessory gland induces tissue dysplasia. Frontiers in cell and developmental biology, 10, 992253.

Justs KA, et al. (2022) Presynaptic Mitochondrial Volume and Packing Density Scale with Presynaptic Power Demand. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(6), 954.

Cha SJ, et al. (2022) Therapeutic modulation of GSTO activity rescues FUS-associated neurotoxicity via deglutathionylation in ALS disease models. Developmental cell, 57(6), 783.