

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

[w\[1118\]; P{w\[+mW.hs\]=GawB}D42, P{w\[+mC\]=UAS-mito-HA-GFP.AP}3 e\[1\]/TM6B, Tb\[1\]](#)

RRID:BDSC_42737

Type: Organism

Proper Citation

RRID:BDSC_42737

Organism Information

URL: <https://n2t.net/bdsc:42737>

Proper Citation: RRID:BDSC_42737

Description: Drosophila melanogaster with name w[1118]; P{w[+mW.hs]=GawB}D42, P{w[+mC]=UAS-mito-HA-GFP.AP}3 e[1]/TM6B, Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Hugo J. Bellen, Baylor College of Medicine; Donor's Source: Bill Saxton, University of California, Santa Cruz

Affected Gene: e, GAL4, Avic\GFP, UAS, Tb, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 42737

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_42737, BL42737

Organism Name: w[1118]; P{w[+mW.hs]=GawB}D42, P{w[+mC]=UAS-mito-HA-GFP.AP}3 e[1]/TM6B, Tb[1]

Record Creation Time: 20240911T222706+0000

Record Last Update: 20260801T195322+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mW.hs]=GawB}D42, P{w[+mC]=UAS-mito-HA-GFP.AP}3 e[1]/TM6B, Tb[1].

No alerts have been found for w[1118]; P{w[+mW.hs]=GawB}D42, P{w[+mC]=UAS-mito-HA-GFP.AP}3 e[1]/TM6B, Tb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Bordi M, et al. (2025) ADSL deficiency is a secondary mitochondrial disease affecting organelle homeostasis and ERK2/AKT signaling in a linear genotype-phenotype relation. Cell reports, 44(9), 116230.

Strachan EL, et al. (2025) Novel in vivo models of autosomal optic atrophy reveal conserved pathological changes in neuronal mitochondrial structure and function. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(7), e70497.

Zhang T, et al. (2025) Metaxin-2 tunes mitochondrial transportation and neuronal function in Drosophila. Genetics, 229(2).

Mallik B, et al. (2025) Mitochondrial Complex I and ROS control neuromuscular function through opposing pre- and postsynaptic mechanisms. PLoS biology, 23(9), e3003388.

Mallik B, et al. (2024) Mitochondrial Complex I and ROS control synapse function through opposing pre- and postsynaptic mechanisms. bioRxiv : the preprint server for biology.

Byrne DJ, et al. (2022) Liver X receptor-agonist treatment rescues degeneration in a Drosophila model of hereditary spastic paraplegia. Acta neuropathologica communications, 10(1), 40.

Maccioni R, et al. (2018) Standardized phytotherapeutic extracts rescue anomalous locomotion and electrophysiological responses of TDP-43 Drosophila melanogaster model of ALS. Scientific reports, 8(1), 16002.