

Resource Summary Report

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

[w\[*\]; P{w\[+mC\]=UAS-Marf.RNAi.CDS.S}3](#)

RRID:BDSC_67158

Type: Organism

Proper Citation

RRID:BDSC_67158

Organism Information

URL: <https://n2t.net/bdsc:67158>

Proper Citation: RRID:BDSC_67158

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-Marf.RNAi.CDS.S}3 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Hugo J. Bellen, Baylor College of Medicine

Affected Gene: Marf, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 67158

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_67158, BL67158

Organism Name: w[*]; P{w[+mC]=UAS-Marf.RNAi.CDS.S}3

Record Creation Time: 20240911T223026+0000

Record Last Update: 20260801T195802+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-Marf.RNAi.CDS.S}3.

No alerts have been found for w[*]; P{w[+mC]=UAS-Marf.RNAi.CDS.S}3.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

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

Ti X, et al. (2025) Parkin mediates the mitochondrial dysfunction through mRpl18. The Journal of biological chemistry, 301(6), 110208.

Wang HQ, et al. (2025) Drosophila HS dendrites are resilient to adult-onset deficits in mitochondrial dynamics. bioRxiv : the preprint server for biology.

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

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.

Dark C, et al. (2024) Mitochondrial fusion and altered beta-oxidation drive muscle wasting in a Drosophila cachexia model. EMBO reports, 25(4), 1835.

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.

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

Kumar A, et al. (2023) MFN2-dependent recruitment of ATAT1 coordinates mitochondria motility with alpha-tubulin acetylation and is disrupted in CMT2A. bioRxiv : the preprint server for biology.

Garcez M, et al. (2020) Mitochondrial Dynamics in the Drosophila Ovary Regulates Germ Stem Cell Number, Cell Fate, and Female Fertility. Frontiers in cell and developmental

biology, 8, 596819.

Ponte S, et al. (2020) Drp1-mediated mitochondrial fission regulates calcium and F-actin dynamics during wound healing. *Biology open*, 9(5).