

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

w[1118]; P{y[+t7.7] w[+mC]=UAS-mito-QC}attP16

RRID:BDSC_91640

Type: Organism

Proper Citation

RRID:BDSC_91640

Organism Information

URL: <https://n2t.net/bdsc:91640>

Proper Citation: RRID:BDSC_91640

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=UAS-mito-QC}attP16 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Alex Whitworth, University of Cambridge

Affected Gene: Avic\GFP, Disc\RFP, Tag:Mito(hFIS1), UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 91640

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_91640, BL91640

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=UAS-mito-QC}attP16

Record Creation Time: 20240911T223421+0000

Record Last Update: 20260829T191211+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=UAS-mito-QC}attP16.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=UAS-mito-QC}attP16.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Li JL, et al. (2026) UQCRC1 deficiency impairs mitophagy via PINK1-dependent mechanisms in Parkinson's disease. NPJ Parkinson's disease, 12(1), 48.

Sarnataro R, et al. (2025) Mitochondrial origins of the pressure to sleep. Nature, 645(8081), 722.

Lee KM, et al. (2025) Exploring mitophagy levels in Drosophila Malpighian tubules unveils the pivotal role of mitophagy in kidney function and diabetic kidney disease. Experimental & molecular medicine, 57(10), 2364.

Taoka H, et al. (2025) Transcriptional dynamics uncover the role of BNIP3 in mitophagy during muscle remodeling in Drosophila. eLife, 14.

Donovan EJ, et al. (2024) Dendrite architecture determines mitochondrial distribution patterns in vivo. Cell reports, 43(5), 114190.

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).

Zhang X, et al. (2024) Toxicity Evaluation of Potassium Sorbate In Vivo with Drosophila Melanogaster. Insects, 15(9).

Moskal N, et al. (2023) An AI-guided screen identifies probucol as an enhancer of mitophagy through modulation of lipid droplets. PLoS biology, 21(3), e3001977.