

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

[y\[d2\] w\[1118\] P{ry\[+t7.2\]=ey-FLP.N}2 P{5xglBS-lacZ.38-1}TPN1; P{y\[+t7.7\] ry\[+t7.2\]=Car20y}25F Drp1\[1\] P{ry\[+t7.2\]=neoFRT}40A/CyO, P{w\[+mC\]=GAL4-Kr.C}DC3, P{w\[+mC\]=UAS-GFP.S65T}DC7](#)

RRID:BDSC_24885

Type: Organism

Proper Citation

RRID:BDSC_24885

Organism Information

URL: <https://n2t.net/bdsc:24885>

Proper Citation: RRID:BDSC_24885

Description: Drosophila melanogaster with name y[d2] w[1118] P{ry[+t7.2]=ey-FLP.N}2 P{5xglBS-lacZ.38-1}TPN1; P{y[+t7.7] ry[+t7.2]=Car20y}25F Drp1[1] P{ry[+t7.2]=neoFRT}40A/CyO, P{w[+mC]=GAL4-Kr.C}DC3, P{w[+mC]=UAS-GFP.S65T}DC7 from BDSC.

Species: Drosophila melanogaster

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

Affected Gene: Drp1, Eco\lacZ, GMR, ey, FLP, GAL4, Kr, FRT, Avic\GFP, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 24885

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_24885, BDSC:24885, BL24885

Organism Name: y[d2] w[1118] P{ry[+t7.2]=ey-FLP.N}2 P{5xglBS-lacZ.38-1}TPN1; P{y[+t7.7] ry[+t7.2]=Car20y}25F Drp1[1] P{ry[+t7.2]=neoFRT}40A/CyO, P{w[+mC]=GAL4-Kr.C}DC3, P{w[+mC]=UAS-GFP.S65T}DC7

Record Creation Time: 20240911T222421+0000

Record Last Update: 20260912T203433+0000

Ratings and Alerts

No rating or validation information has been found for y[d2] w[1118] P{ry[+t7.2]=ey-FLP.N}2 P{5xglBS-lacZ.38-1}TPN1; P{y[+t7.7] ry[+t7.2]=Car20y}25F Drp1[1] P{ry[+t7.2]=neoFRT}40A/CyO, P{w[+mC]=GAL4-Kr.C}DC3, P{w[+mC]=UAS-GFP.S65T}DC7.

No alerts have been found for y[d2] w[1118] P{ry[+t7.2]=ey-FLP.N}2 P{5xglBS-lacZ.38-1}TPN1; P{y[+t7.7] ry[+t7.2]=Car20y}25F Drp1[1] P{ry[+t7.2]=neoFRT}40A/CyO, P{w[+mC]=GAL4-Kr.C}DC3, P{w[+mC]=UAS-GFP.S65T}DC7.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

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.

Lin TH, et al. (2021) TSG101 negatively regulates mitochondrial biogenesis in axons. *Proceedings of the National Academy of Sciences of the United States of America*, 118(20).

Insolera R, et al. (2021) Mitochondrial fission, integrity and completion of mitophagy require separable functions of Vps13D in Drosophila neurons. *PLoS genetics*, 17(8), e1009731.

Cao Y, et al. (2021) Increased expression of fragmented tRNA promoted neuronal necrosis. *Cell death & disease*, 12(9), 823.

Smith GA, et al. (2019) Glutathione S-Transferase Regulates Mitochondrial Populations in Axons through Increased Glutathione Oxidation. *Neuron*, 103(1), 52.