

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 29, 2026

[y\[d2\] w\[1118\] P{ry\[+t7.2\]=ey-FLP.N}2 P{5xg|BS-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{5xg|BS-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, 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:** 20260725T195127+0000

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## 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.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

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).

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

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.

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