

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

[P{w\[+mC\]=GMR-hid}SS1, y\[1\] w\[*\]
P{ry\[+t7.2\]=neoFRT}19A; P{w\[+m*\]=GAL4-ey.H}SS5,
P{w\[+mC\]=UAS-FLP.D}JD2](#)

RRID:BDSC_5248

Type: Organism

Proper Citation

RRID:BDSC_5248

Organism Information

URL: <https://n2t.net/bdsc:5248>

Proper Citation: RRID:BDSC_5248

Description: Drosophila melanogaster with name P{w[+mC]=GMR-hid}SS1, y[1] w[*] P{ry[+t7.2]=neoFRT}19A; P{w[+m*]=GAL4-ey.H}SS5, P{w[+mC]=UAS-FLP.D}JD2 from BDSC.

Species: Drosophila melanogaster

Notes: A. Gorchakov reports that some 3rd chromosomes in this stock do not express FLP in the eye as expected. Donor: Steve Stowers, Montana State University

Affected Gene: ey, GAL4, GMR, hid, FRT, FLP, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 5248

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_5248, BL5248

Organism Name: P{w[+mC]=GMR-hid}SS1, y[1] w[*] P{ry[+t7.2]=neoFRT}19A; P{w[+m*]=GAL4-ey.H}SS5, P{w[+mC]=UAS-FLP.D}JD2

Record Creation Time: 20240911T222151+0000

Ratings and Alerts

No rating or validation information has been found for P{w[+mC]=GMR-hid}SS1, y[1] w[*] P{ry[+t7.2]=neoFRT}19A; P{w[+m*]=GAL4-ey.H}SS5, P{w[+mC]=UAS-FLP.D}JD2.

No alerts have been found for P{w[+mC]=GMR-hid}SS1, y[1] w[*] P{ry[+t7.2]=neoFRT}19A; P{w[+m*]=GAL4-ey.H}SS5, P{w[+mC]=UAS-FLP.D}JD2.

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 [dkNET](#) .

van Rinsum A, et al. (2026) Mitochondrial oxidative stress drives hyperglycaemia-induced contractile dysfunction and arrhythmogenesis in a novel atrial myocyte model of diabetes. *Biochimica et biophysica acta. Molecular basis of disease*, 1872(8), 168373.

van Rinsum A, et al. (2025) Mitochondria-Targeted Antioxidants Prevent Tachypacing-Induced Contractile Dysfunction in In Vitro Cardiomyocyte and In Vivo Drosophila Models of Atrial Fibrillation. *Antioxidants (Basel, Switzerland)*, 14(12).

Wagner K, et al. (2022) Phospholipase D and retromer promote recycling of TRPL ion channel via the endoplasmic reticulum. *Traffic (Copenhagen, Denmark)*, 23(1), 42.

Donohoe CD, et al. (2018) Atf3 links loss of epithelial polarity to defects in cell differentiation and cytoarchitecture. *PLoS genetics*, 14(3), e1007241.

Liu L, et al. (2017) The Glia-Neuron Lactate Shuttle and Elevated ROS Promote Lipid Synthesis in Neurons and Lipid Droplet Accumulation in Glia via APOE/D. *Cell metabolism*, 26(5), 719.