

Resource Summary Report

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

[y\[1\] w\[*\]; P{ry\[+t7.2\]=neoFRT}42D P{y\[+t7.7\] ry\[+t7.2\]=Car20y}44B, P{w\[+mC\]=GMR-hid}SS2, l\(2\)CL-R\[1\]/CyO; P{w\[+m*\]=GAL4-ey.H}SS5, P{w\[+mC\]=UAS-FLP.D}JD2](#)

RRID:BDSC_5251

Type: Organism

Proper Citation

RRID:BDSC_5251

Organism Information

URL: <https://n2t.net/bdsc:5251>

Proper Citation: RRID:BDSC_5251

Description: Drosophila melanogaster with name y[1] w[*]; P{ry[+t7.2]=neoFRT}42D P{y[+t7.7] ry[+t7.2]=Car20y}44B, P{w[+mC]=GMR-hid}SS2, l(2)CL-R[1]/CyO; P{w[+m*]=GAL4-ey.H}SS5, P{w[+mC]=UAS-FLP.D}JD2 from BDSC.

Species: Drosophila melanogaster

Notes: Putative cell lethal mutation(s) on P{GMR-hid} chromosome improve eye morphology in clonal studies. Donor: Steve Stowers, Montana State University

Affected Gene: l(2)CL-R, ey, GAL4, GMR, hid, FRT, FLP, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 5251

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_5251, BL5251

Organism Name: y[1] w[*]; P{ry[+t7.2]=neoFRT}42D P{y[+t7.7] ry[+t7.2]=Car20y}44B, P{w[+mC]=GMR-hid}SS2, l(2)CL-R[1]/CyO; P{w[+m*]=GAL4-ey.H}SS5, P{w[+mC]=UAS-

FLP.D}JD2

Record Creation Time: 20240911T222151+0000

Record Last Update: 20260815T191240+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{ry[+t7.2]=neoFRT}42D P{y[+t7.7] ry[+t7.2]=Car20y}44B, P{w[+mC]=GMR-hid}SS2, l(2)CL-R[1]/CyO; P{w[+m*]=GAL4-ey.H}SS5, P{w[+mC]=UAS-FLP.D}JD2.

No alerts have been found for y[1] w[*]; P{ry[+t7.2]=neoFRT}42D P{y[+t7.7] ry[+t7.2]=Car20y}44B, P{w[+mC]=GMR-hid}SS2, l(2)CL-R[1]/CyO; 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 7 mentions in open access literature.

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

Sasaki S, et al. (2025) Lytic photoreceptor cell death caused by Rab escort protein deficiency in Drosophila. FEBS letters.

Nitta Y, et al. (2024) Drosophila model to clarify the pathological significance of OPA1 in autosomal dominant optic atrophy. eLife, 12.

Jung J, et al. (2020) Ciao1 interacts with Crumbs and Xpd to regulate organ growth in Drosophila. Cell death & disease, 11(5), 365.

??ahin HB, et al. (2020) Salt inducible kinases as novel Notch interactors in the developing Drosophila retina. PloS one, 15(6), e0234744.

Cassidy JJ, et al. (2019) Repressive Gene Regulation Synchronizes Development with Cellular Metabolism. Cell, 178(4), 980.

Kim AR, et al. (2019) TRiC/CCT chaperonins are essential for organ growth by interacting with insulin/TOR signaling in Drosophila. Oncogene, 38(24), 4739.

Baena-Lopez LA, et al. (2018) Novel initiator caspase reporters uncover previously unknown features of caspase-activating cells. Development (Cambridge, England), 145(23).