

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

[y\[1\] w\[*\]; P{w\[+m*\]=GAL4}54C](#)

RRID:BDSC_27328

Type: Organism

Proper Citation

RRID:BDSC_27328

Organism Information

URL: <https://n2t.net/bdsc:27328>

Proper Citation: RRID:BDSC_27328

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+m*]=GAL4}54C from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Marc Muskavitch & Annette L. Parks, Boston College; Donor's Source: Ross Cagan, Washington University School of Medicine

Affected Gene: GAL4, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 27328

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_27328, BL27328

Organism Name: y[1] w[*]; P{w[+m*]=GAL4}54C

Record Creation Time: 20240911T222444+0000

Record Last Update: 20260801T195014+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+m*]=GAL4}54C.

No alerts have been found for y[1] w[*]; P{w[+m*]=GAL4}54C.

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 [RRID](#) .

Oka M, et al. (2025) Glucose uptake in pigment glia suppresses Tau-induced inflammation and photoreceptor degeneration. *Disease models & mechanisms*, 18(4).

Gazsó-Gerhát G, et al. (2023) FRL and DAAM are required for lateral adhesion of interommatidial cells and patterning of the retinal floor. *Development (Cambridge, England)*, 150(22).

Wang L, et al. (2022) Neuronal activity induces glucosylceramide that is secreted via exosomes for lysosomal degradation in glia. *Science advances*, 8(28), eabn3326.

Moulton MJ, et al. (2021) Neuronal ROS-induced glial lipid droplet formation is altered by loss of Alzheimer's disease-associated genes. *Proceedings of the National Academy of Sciences of the United States of America*, 118(52).

Girard V, et al. (2021) Abnormal accumulation of lipid droplets in neurons induces the conversion of alpha-Synuclein to proteolytic resistant forms in a Drosophila model of Parkinson's disease. *PLoS genetics*, 17(11), e1009921.

DeAngelis MW, et al. (2020) Mask, a component of the Hippo pathway, is required for Drosophila eye morphogenesis. *Developmental biology*, 464(1), 53.

Van Den Brink DM, et al. (2018) Physiological and pathological roles of FATP-mediated lipid droplets in Drosophila and mice retina. *PLoS genetics*, 14(9), e1007627.

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.