

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

[P{ry\[+t7.2\]=rh1-GAL4}3, ry\[506\]](#)

RRID:BDSC_8691

Type: Organism

Proper Citation

RRID:BDSC_8691

Organism Information

URL: <https://n2t.net/bdsc:8691>

Proper Citation: RRID:BDSC_8691

Description: Drosophila melanogaster with name P{ry[+t7.2]=rh1-GAL4}3, ry[506] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Claude Desplan, New York University; Donor's Source: Jessica Treisman, New York University

Affected Gene: GAL4, ninaE, ry

Genomic Alteration: Chromosome 3

Catalog Number: 8691

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8691, BL8691

Organism Name: P{ry[+t7.2]=rh1-GAL4}3, ry[506]

Record Creation Time: 20240911T222218+0000

Record Last Update: 20260808T194342+0000

Ratings and Alerts

No rating or validation information has been found for P{ry[+t7.2]=rh1-GAL4}3, ry[506].

No alerts have been found for P{ry[+t7.2]=rh1-GAL4}3, ry[506].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Hung YC, et al. (2026) A day sleep promoting role of phototransduction in *Drosophila melanogaster*. *Neurobiology of sleep and circadian rhythms*, 20, 100146.

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

Zeger M, et al. (2024) tsCRISPR based identification of Rab proteins required for the recycling of *Drosophila* TRPL ion channel. *Frontiers in cell and developmental biology*, 12, 1444953.

Guichard A, et al. (2023) A comprehensive *Drosophila* resource to identify key functional interactions between SARS-CoV-2 factors and host proteins. *Cell reports*, 42(8), 112842.

Jauregui-Lozano J, et al. (2022) Proper control of R-loop homeostasis is required for maintenance of gene expression and neuronal function during aging. *Aging cell*, 21(2), e13554.

Marcogliese PC, et al. (2022) *Drosophila* functional screening of de novo variants in autism uncovers damaging variants and facilitates discovery of rare neurodevelopmental diseases. *Cell reports*, 38(11), 110517.

Jauregui-Lozano J, et al. (2022) The Clock:Cycle complex is a major transcriptional regulator of *Drosophila* photoreceptors that protects the eye from retinal degeneration and oxidative stress. *PLoS genetics*, 18(1), e1010021.

Meiselman MR, et al. (2022) Recovery from cold-induced reproductive dormancy is regulated by temperature-dependent AstC signaling. *Current biology : CB*, 32(6), 1362.

Escobedo SE, et al. (2021) Characterizing a gene expression toolkit for eye- and photoreceptor-specific expression in *Drosophila*. *Fly*, 15(1), 73.

Yuan D, et al. (2021) Lamina feedback neurons regulate the bandpass property of the flicker-induced orientation response in *Drosophila*. *Journal of neurochemistry*, 156(1), 59.

Lyu J, et al. (2021) The conserved microRNA miR-210 regulates lipid metabolism and photoreceptor maintenance in the *Drosophila* retina. *Cell death and differentiation*, 28(2), 764.

Marcogliese PC, et al. (2018) IRF2BPL Is Associated with Neurological Phenotypes. *American journal of human genetics*, 103(2), 245.

Hall H, et al. (2018) Blue light induces a neuroprotective gene expression program in *Drosophila* photoreceptors. *BMC neuroscience*, 19(1), 43.

Stegeman R, et al. (2018) Proper splicing contributes to visual function in the aging *Drosophila* eye. *Aging cell*, 17(5), e12817.