

Resource Summary Report

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

[y\[1\] w\[*\]; wg\[Sp-1\]/CyO; P{w\[+mC\]=longGMR-GAL4}3](#)

RRID:BDSC_8121

Type: Organism

Proper Citation

RRID:BDSC_8121

Organism Information

URL: <https://n2t.net/bdsc:8121>

Proper Citation: RRID:BDSC_8121

Description: Drosophila melanogaster with name y[1] w[*]; wg[Sp-1]/CyO; P{w[+mC]=longGMR-GAL4}3 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Claude Desplan, New York University

Affected Gene: GAL4, GMR, wg, w, y

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 8121

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8121, BL8121

Organism Name: y[1] w[*]; wg[Sp-1]/CyO; P{w[+mC]=longGMR-GAL4}3

Record Creation Time: 20240911T222214+0000

Record Last Update: 20260808T194336+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; wg[Sp-1]/CyO; P{w[+mC]=longGMR-GAL4}3.

No alerts have been found for y[1] w[*]; wg[Sp-1]/CyO; P{w[+mC]=longGMR-GAL4}3.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Tzou FY, et al. (2025) Dihydroceramide desaturase modulates autolysosome maturation and ameliorates CRB1 retinopathy. *Biochimica et biophysica acta. Molecular basis of disease*, 1871(5), 167736.

Sarkar B, et al. (2025) Regulation of Notch signaling by multiple Ankyrin repeat containing protein Mask. *Cell communication and signaling : CCS*, 23(1), 358.

Verma D, et al. (2024) Regulation of Notch signaling by non-muscle myosin II Zipper in *Drosophila*. *Cellular and molecular life sciences : CMLS*, 81(1), 195.

Bankapalli K, et al. (2024) A *Drosophila* model for mechanistic investigation of tau protein spread. *Disease models & mechanisms*, 17(9).

Sujkowski A, et al. (2024) Progressive degeneration in a new *Drosophila* model of spinocerebellar ataxia type 7. *Scientific reports*, 14(1), 14332.

Malin J, et al. (2024) Pten, PI3K, and PtdIns(3,4,5)P3 dynamics control pulsatile actin branching in *Drosophila* retina morphogenesis. *Developmental cell*, 59(12), 1593.

Dhanushkodi NR, et al. (2023) ATP13A2 Gene Silencing in *Drosophila* Affects Autophagic Degradation of A53T Mutant α -Synuclein. *International journal of molecular sciences*, 24(2).

Blount JR, et al. (2023) Lysine 117 on ataxin-3 modulates toxicity in *Drosophila* models of Spinocerebellar Ataxia Type 3. *Journal of the neurological sciences*, 454, 120828.

Sujkowski AL, et al. (2023) Progressive degeneration in a new *Drosophila* model of Spinocerebellar Ataxia type 7. *Research square*.

Ikeda K, et al. (2022) Nonsynaptic Transmission Mediates Light Context-Dependent Odor Responses in *Drosophila melanogaster*. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(46), 8621.

Johnson SL, et al. (2021) Targeting the VCP-binding motif of ataxin-3 improves phenotypes in Drosophila models of Spinocerebellar Ataxia Type 3. *Neurobiology of disease*, 160, 105516.

Kiral FR, et al. (2021) Brain connectivity inversely scales with developmental temperature in Drosophila. *Cell reports*, 37(12), 110145.

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

Hung YC, et al. (2021) UQCRC1 engages cytochrome c for neuronal apoptotic cell death. *Cell reports*, 36(12), 109729.

Li Y, et al. (2021) Neural mechanism of spatio-chromatic opponency in the Drosophila amacrine neurons. *Current biology : CB*, 31(14), 3040.

Gainetdinov I, et al. (2021) Terminal modification, sequence, length, and PIWI-protein identity determine piRNA stability. *Molecular cell*, 81(23), 4826.

Johnson SL, et al. (2020) Ubiquitin-interacting motifs of ataxin-3 regulate its polyglutamine toxicity through Hsc70-4-dependent aggregation. *eLife*, 9.

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

Bason M, et al. (2019) Astrocytic expression of the chaperone DNAJB6 results in non-cell autonomous protection in Huntington's disease. *Neurobiology of disease*, 124, 108.

Stenesen D, et al. (2019) The glial sodium-potassium-2-chloride cotransporter is required for synaptic transmission in the Drosophila visual system. *Scientific reports*, 9(1), 2475.