

Resource Summary Report

Generated by [NIF](#) on Aug 3, 2026

[w\[*\]; P{w\[+mC\]=longGMR-GAL4}2](#)

RRID:BDSC_8605

Type: Organism

Proper Citation

RRID:BDSC_8605

Organism Information

URL: <https://n2t.net/bdsc:8605>

Proper Citation: RRID:BDSC_8605

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=longGMR-GAL4}2 from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating CyO. Donor: Claude Desplan, New York University

Affected Gene: GAL4, GMR, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 8605

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8605, BL8605

Organism Name: w[*]; P{w[+mC]=longGMR-GAL4}2

Record Creation Time: 20240911T222218+0000

Record Last Update: 20260801T194656+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=longGMR-GAL4}2.

No alerts have been found for $w[*]$; $P\{w[+mC]=\text{longGMR-GAL4}\}2$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 41 mentions in open access literature.

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

Reisbitzer A, et al. (2025) Inhibition of class IIa HDACs reduces mutant HTT aggregation by affecting RNA stability. *Frontiers in molecular neuroscience*, 18, 1579194.

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

Singh A, et al. (2025) Protocol for a two-clone system to study signaling interactions among neuronal cells in a pre-clinical Alzheimer's disease model. *STAR protocols*, 6(3), 103993.

Ranxhi B, et al. (2025) Regulation of polyamine interconversion enzymes affects α -Synuclein levels and toxicity in a *Drosophila* model of Parkinson's Disease. *NPJ Parkinson's disease*, 11(1), 231.

Mahadik N, et al. (2025) Evaluation of the toxicity and efficacy of a multi-target polymer-drug nano-polyplex in SH-SY5Y cells and *Drosophila* model of tauopathy. *Scientific reports*, 15(1), 39454.

Dykstra MM, et al. (2025) TDP43 autoregulation gives rise to dominant negative isoforms that are tightly controlled by transcriptional and post-translational mechanisms. *Cell reports*, 44(1), 115113.

Luf M, et al. (2025) Knockdown of PR-DUB subunit calypso in the developing *Drosophila* eye and wing results in mis-patterned tissues with altered size and shape. *bioRxiv* : the preprint server for biology.

Ranxhi B, et al. (2025) Regulation of polyamine interconversion enzymes affects α -Synuclein levels and toxicity in a *Drosophila* model of Parkinson's Disease. *Research square*.

Luf M, et al. (2025) Knockdown of PR-DUB subunit calypso in the developing *Drosophila* eye and wing results in mis-patterned tissues with altered size and shape. *G3 (Bethesda, Md.)*, 15(12).

Osaka J, et al. (2024) Complex formation of immunoglobulin superfamily molecules Side-IV and Beat-IIb regulates synaptic specificity. *Cell reports*, 43(2), 113798.

Kogenaru V, et al. (2024) A drug stabilizable GAL80ds for conditional control of gene expression via GAL4-UAS and CRISPR-Cas9 systems in *Drosophila*. *Scientific reports*, 14(1), 5893.

Richardson K, et al. (2024) A phenotypically robust model of spinal and bulbar muscular atrophy in *Drosophila*. *Journal of neuroscience research*, 102(1), e25278.

Aggidis A, et al. (2024) A novel peptide-based tau aggregation inhibitor as a potential therapeutic for Alzheimer's disease and other tauopathies. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 20(11), 7788.

Nouri N, et al. (2024) SLC16A8 is a causal contributor to age-related macular degeneration risk. *NPJ genomic medicine*, 9(1), 50.

Bademosi AT, et al. (2023) EndophilinA-dependent coupling between activity-induced calcium influx and synaptic autophagy is disrupted by a Parkinson-risk mutation. *Neuron*, 111(9), 1402.

Patel N, et al. (2023) Phenotypic defects from the expression of wild-type and pathogenic TATA-binding proteins in new *Drosophila* models of Spinocerebellar Ataxia Type 17. *G3 (Bethesda, Md.)*, 13(10).

Soustelle L, et al. (2023) ALS-Associated KIF5A Mutation Causes Locomotor Deficits Associated with Cytoplasmic Inclusions, Alterations of Neuromuscular Junctions, and Motor Neuron Loss. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(47), 8058.

Deshpande P, et al. (2023) N-Acetyltransferase 9 ameliorates A β 42-mediated neurodegeneration in the *Drosophila* eye. *Cell death & disease*, 14(7), 478.

Ochi Y, et al. (2022) Stratum is required for both apical and basolateral transport through stable expression of Rab10 and Rab35 in *Drosophila* photoreceptors. *Molecular biology of the cell*, 33(10), br17.

Prifti MV, et al. (2022) Ubiquitin-binding site 1 of pathogenic ataxin-3 regulates its toxicity in *Drosophila* models of Spinocerebellar Ataxia Type 3. *Frontiers in neuroscience*, 16, 1112688.