

Resource Summary Report

Generated by [NIF](#) on Aug 10, 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: 20260808T194341+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 44 mentions in open access literature.

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

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

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

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.

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.

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.

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. bioRxiv : the preprint server for biology.

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. 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.

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.

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

Dykstra MM, et al. (2024) TDP43 autoregulation gives rise to shortened isoforms that are tightly controlled by both transcriptional and post-translational mechanisms. *bioRxiv : the preprint server for biology*.

Liu Q, et al. (2024) CalDAG-GEFI acts as a guanine nucleotide exchange factor for LRRK2 to regulate LRRK2 function and neurodegeneration. *Science advances*, 10(47), eadn5417.

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.

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.

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).

Glineburg MR, et al. (2023) Stress granule formation helps to mitigate neurodegeneration. *bioRxiv : the preprint server for biology*.