

Resource Summary Report

Generated by [kravitz2](#) on Sep 6, 2026

P{w[+mC]=GAL4-elav.L}2/CyO

RRID:BDSC_8765

Type: Organism

Proper Citation

RRID:BDSC_8765

Organism Information

URL: <https://n2t.net/bdsc:8765>

Proper Citation: RRID:BDSC_8765

Description: Drosophila melanogaster with name P{w[+mC]=GAL4-elav.L}2/CyO from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Peter Kolodziej, Vanderbilt University

Affected Gene: elav, GAL4

Genomic Alteration: Chromosome 2

Catalog Number: 8765

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8765, BDSC:8765, BL8765

Organism Name: P{w[+mC]=GAL4-elav.L}2/CyO

Record Creation Time: 20240911T222219+0000

Record Last Update: 20260905T135851+0000

Ratings and Alerts

No rating or validation information has been found for P{w[+mC]=GAL4-elav.L}2/CyO.

No alerts have been found for P{w[+mC]=GAL4-elav.L}2/CyO.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 146 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

Melkani D, et al. (2026) Design and Implementation of an Automated Drosophila Locomotor Assay Using Computer Vision Tracking. Research square.

Du Y, et al. (2026) Elevated serotonin receptor 2A signaling restores learning and memory in a Fragile X syndrome model. Scientific reports, 16(1), 4450.

Ahumada-Montalva P, et al. (2026) TMBIM6 enhances dopaminergic neuron survival by modulating the IRE1a pathway in Parkinson's disease. Cell death & disease, 17(1).

Altay MF, et al. (2026) Heterozygous loss of SRRM1 may be associated with neurodevelopmental phenotypes and anomalies in cell growth and neurite morphology. European journal of human genetics : EJHG, 34(2), 201.

Tournière O, et al. (2026) X chromosome dosage in respiratory stem cells is critical for post-embryonic development and survival. Current biology : CB, 36(2), 387.

Rai M, et al. (2026) Drosophila melanogaster lactate dehydrogenase deficiency recapitulates the exercise intolerance of human glycogen storage disease type XI. bioRxiv : the preprint server for biology.

Li JL, et al. (2026) UQCRC1 deficiency impairs mitophagy via PINK1-dependent mechanisms in Parkinson's disease. NPJ Parkinson's disease, 12(1), 48.

Liew YT, et al. (2026) Loss and gain of motor protein function cause microtubule bundle damage in Drosophila axons. Current biology : CB, 36(3), 707.

Morgan M, et al. (2026) Polyphenol diet and exercise as neuroprotective factors in a Drosophila model of Alzheimer's disease. Animal models and experimental medicine, 9(2), 217.

Guan Z, et al. (2026) Disease-causing mutations in Synaptotagmin can act via dominant-negative, gain-of-function or haploinsufficient mechanisms. bioRxiv : the preprint server for biology.

Decker JR, et al. (2025) Tension transmission across a supracellular network drives increased tissue rigidity in the Drosophila retina. Cell reports, 44(10), 116355.

Terne U, et al. (2025) Ca²⁺ excitability of glia to neuromodulator octopamine in *Drosophila* living brain is greater than that of neurons. *Acta physiologica (Oxford, England)*, 241(2), e14270.

Lei C, et al. (2025) Quantitative and site-specific chemoproteomic profiling of O-GlcNAcylation in *Drosophila*. *Bioorganic & medicinal chemistry*, 124, 118191.

Gregor A, et al. (2025) Proteasomal activation ameliorates neuronal phenotypes linked to FBXO11-deficiency. *HGG advances*, 6(2), 100425.

Adebambo TH, et al. (2025) Arsenic impairs *Drosophila* neural stem cell mitotic progression and sleep behavior in a tauopathy model. *G3 (Bethesda, Md.)*, 15(5).

Villalobos-Cantor S, et al. (2025) Genetic basis of maneb-induced dopaminergic neurodegeneration in *Drosophila*. *G3 (Bethesda, Md.)*, 15(9).

Bervoets S, et al. (2025) dArc1 controls sugar reward valuation in *Drosophila melanogaster*. *Current biology : CB*, 35(17), 4188.

Lei Q, et al. (2025) Tissue-Specific Profiling of O-GlcNAcylated Proteins in *Drosophila* Using TurboID-CpOGAM. *Bio-protocol*, 15(5), e5234.

Tan SL, et al. (2025) Substrate reduction using a glucosamine analogue in *Drosophila melanogaster* and mouse models of Sanfilippo syndrome. *Molecular genetics and metabolism*, 145(2), 109112.

Hsiao CT, et al. (2025) A fly model of SCA36 reveals combinatorial neurotoxicity of hexanucleotide and dipeptide repeats. *PLoS genetics*, 21(12), e1011954.