

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=GMR82E12-GAL4}attP2](#)

RRID:BDSC_40153

Type: Organism

Proper Citation

RRID:BDSC_40153

Organism Information

URL: <https://n2t.net/bdsc:40153>

Proper Citation: RRID:BDSC_40153

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=GMR82E12-GAL4}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: See https://bdsc.indiana.edu/stocks/gal4/gal4_janelia_info.html for important information. Donor: Gerald M. Rubin, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: CR4575, GAL4, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 40153

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_40153, BDSC:40153, BL40153

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=GMR82E12-GAL4}attP2

Record Creation Time: 20240911T222643+0000

Record Last Update: 20260912T203741+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=GMR82E12-GAL4}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=GMR82E12-GAL4}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Meng Z, et al. (2025) Neurexin regulates mechanical nociceptive sensitization by central inhibition in Drosophila. Science advances, 11(51), eadz9682.

Zhou G, et al. (2025) An improved FLARE system for recording and manipulating neuronal activity. Cell reports methods, 5(4), 101012.

Patel AA, et al. (2025) Neural substrates of cold nociception in Drosophila larva. eLife, 12.

Kaneko T, et al. (2024) Transsynaptic BMP Signaling Regulates Fine-Scale Topography between Adjacent Sensory Neurons. eNeuro, 11(8).

Pan G, et al. (2023) Cross-modal modulation gates nociceptive inputs in Drosophila. Current biology : CB, 33(7), 1372.

Patel AA, et al. (2023) Neural substrates of cold nociception in Drosophila larva. bioRxiv : the preprint server for biology.

Hu Y, et al. (2020) A Neural Basis for Categorizing Sensory Stimuli to Enhance Decision Accuracy. Current biology : CB, 30(24), 4896.

Tenedini FM, et al. (2019) Maintenance of cell type-specific connectivity and circuit function requires Tao kinase. Nature communications, 10(1), 3506.

Kaneko T, et al. (2017) Serotonergic Modulation Enables Pathway-Specific Plasticity in a Developing Sensory Circuit in Drosophila. Neuron, 95(3), 623.