

Resource Summary Report

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

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=GMR86E01-GAL4}attP2](#)

RRID:BDSC_45914

Type: Organism

Proper Citation

RRID:BDSC_45914

Organism Information

URL: <https://n2t.net/bdsc:45914>

Proper Citation: RRID:BDSC_45914

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=GMR86E01-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: btn, GAL4, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 45914

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_45914, BL45914

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=GMR86E01-GAL4}attP2

Record Creation Time: 20240911T222729+0000

Record Last Update: 20260801T195352+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=GMR86E01-GAL4}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=GMR86E01-GAL4}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Zhu Y, et al. (2025) Loss of dihydroceramide desaturase drives neurodegeneration by disrupting endoplasmic reticulum and lipid droplet homeostasis in glial cells. eLife, 13.

Leier HC, et al. (2025) Glia control experience-dependent plasticity in an olfactory critical period. eLife, 13.

Nelson N, et al. (2025) Neuron-to-glia signaling drives critical period experience-dependent synapse pruning. Scientific reports, 15(1), 25744.

Miller VK, et al. (2025) Glia-to-glia serotonin signaling directs MMP-dependent infiltration for experience-dependent synapse pruning. PLoS biology, 23(12), e3003524.

Theisen EK, et al. (2025) Glia phagocytose neuronal sphingolipids to infiltrate developing synapses. bioRxiv : the preprint server for biology.

Leier HC, et al. (2024) Glia control experience-dependent plasticity in an olfactory critical period. bioRxiv : the preprint server for biology.

Nelson N, et al. (2024) Experience-dependent glial pruning of synaptic glomeruli during the critical period. Scientific reports, 14(1), 9110.

Baumann NS, et al. (2024) Experience-dependent MAPK/ERK signaling in glia regulates critical period remodeling of synaptic glomeruli. Cellular signalling, 120, 111224.

Zhu Y, et al. (2024) Dihydroceramide desaturase governs endoplasmic reticulum and lipid droplet homeostasis to promote glial function in the nervous system. bioRxiv : the preprint server for biology.

Chen Y, et al. (2023) Epilepsy gene prickie ensures neuropil glial ensheathment through regulating cell adhesion molecules. iScience, 26(1), 105731.

Lago-Baldaia I, et al. (2023) A Drosophila glial cell atlas reveals a mismatch between transcriptional and morphological diversity. PLoS biology, 21(10), e3002328.

Vaughen JP, et al. (2022) Glial control of sphingolipid levels sculpts diurnal remodeling in a circadian circuit. *Neuron*, 110(19), 3186.

Park A, et al. (2022) Gliotransmission of D-serine promotes thirst-directed behaviors in *Drosophila*. *Current biology : CB*, 32(18), 3952.

Weiss S, et al. (2022) Glial ER and GAP junction mediated Ca²⁺ waves are crucial to maintain normal brain excitability. *Glia*, 70(1), 123.

Vita DJ, et al. (2021) Neuronal fragile X mental retardation protein activates glial insulin receptor mediated PDF-Tri neuron developmental clearance. *Nature communications*, 12(1), 1160.

Blum ID, et al. (2021) Astroglial Calcium Signaling Encodes Sleep Need in *Drosophila*. *Current biology : CB*, 31(1), 150.

Cai XT, et al. (2021) Gut cytokines modulate olfaction through metabolic reprogramming of glia. *Nature*, 596(7870), 97.