

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=GMR58E02-GAL4}attP2](#)

RRID:BDSC_41347

Type: Organism

Proper Citation

RRID:BDSC_41347

Organism Information

URL: <https://n2t.net/bdsc:41347>

Proper Citation: RRID:BDSC_41347

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=GMR58E02-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: DAT, GAL4, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 41347

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_41347, BL41347

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=GMR58E02-GAL4}attP2

Record Creation Time: 20240911T222653+0000

Record Last Update: 20260801T195301+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=GMR58E02-GAL4}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=GMR58E02-GAL4}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 48 mentions in open access literature.

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

Saldes EB, et al. (2025) Nighttime caffeine intake increases motor impulsivity. iScience, 28(8), 113197.

Pech U, et al. (2025) Synaptic deregulation of cholinergic projection neurons causes olfactory dysfunction across five fly Parkinsonism models. eLife, 13.

Gibson SB, et al. (2025) Hippo signaling regulates cuticle pigmentation and dopamine metabolism in Drosophila. bioRxiv : the preprint server for biology.

Weber D, et al. (2025) Four individually identified paired dopamine neurons signal taste punishment in larval Drosophila. eLife, 12.

Saldes EB, et al. (2025) Nighttime Caffeine Intake Increases Motor Impulsivity. bioRxiv : the preprint server for biology.

Wu H, et al. (2025) Octopamine signaling regulates the intracellular pattern of the presynaptic active zone scaffold within Drosophila mushroom body neurons. PLoS biology, 23(10), e3003449.

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

Deal SL, et al. (2025) RNAi-based screen for pigmentation in Drosophila melanogaster reveals regulators of brain dopamine and sleep. bioRxiv : the preprint server for biology.

Rachad EY, et al. (2025) Functional dissection of a neuronal brain circuit mediating higher-order associative learning. Cell reports, 44(5), 115593.

Hiramatsu S, et al. (2025) Synaptic enrichment and dynamic regulation of the two opposing dopamine receptors within the same neurons. eLife, 13.

Lee PS, et al. (2025) Systematic analysis of mushroom body-innervating dopaminergic neuron activity in different physiological states in Drosophila. Biomedical journal, 100907.

Zhou M, et al. (2025) Central clock drives foraging rhythm through modulating food odor attraction in *Drosophila*. *Current biology : CB*.

Warnecke C, et al. (2025) Re-exposure to reward re-evaluates related memories. *Current biology : CB*.

Lozada-Perdomo FV, et al. (2025) Dual roles of *Drosophila* reward-encoding dopamine neurons in regulating innate and learned behaviors. *iScience*, 28(11), 113817.

Qi C, et al. (2024) Single dopaminergic neuron DAN-c1 in *Drosophila* larval brain mediates aversive olfactory learning through D2-like receptors. *bioRxiv : the preprint server for biology*.

Rozenfeld E, et al. (2024) Neuronal circuit mechanisms of competitive interaction between action-based and coincidence learning. *Science advances*, 10(49), eadq3016.

Joyce M, et al. (2024) Divergent evolution of sleep in *Drosophila* species. *Nature communications*, 15(1), 5091.

Sun J, et al. (2024) A neurotrophin functioning with a Toll regulates structural plasticity in a dopaminergic circuit. *eLife*, 13.

Weaver KJ, et al. (2023) Behavioral dissection of hunger states in *Drosophila*. *eLife*, 12.

Noyes NC, et al. (2023) Innate and learned odor-guided behaviors utilize distinct molecular signaling pathways in a shared dopaminergic circuit. *Cell reports*, 42(2), 112026.