

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](#).

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.

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

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.

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

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

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

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

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*.

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.

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

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*.

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.