

Resource Summary Report

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

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=GMR58H05-GAL4}attP2](#)

RRID:BDSC_39198

Type: Organism

Proper Citation

RRID:BDSC_39198

Organism Information

URL: <https://n2t.net/bdsc:39198>

Proper Citation: RRID:BDSC_39198

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=GMR58H05-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: GAL4, loaf, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 39198

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_39198, BL39198

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=GMR58H05-GAL4}attP2

Record Creation Time: 20240911T222637+0000

Record Last Update: 20260801T195238+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=GMR58H05-GAL4}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=GMR58H05-GAL4}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Raccuglia D, et al. (2025) Network synchrony creates neural filters promoting quiescence in Drosophila. *Nature*, 646(8085), 667.

Singh P, et al. (2023) Examining Sleep Modulation by Drosophila Ellipsoid Body Neurons. *eNeuro*, 10(9).

Ho MCW, et al. (2022) Sleep need-dependent changes in functional connectivity facilitate transmission of homeostatic sleep drive. *Current biology : CB*, 32(22), 4957.

Sun L, et al. (2022) Recurrent circadian circuitry regulates central brain activity to maintain sleep. *Neuron*, 110(13), 2139.

Li Q, et al. (2021) insomniac links the development and function of a sleep-regulatory circuit. *eLife*, 10.

Luo Y, et al. (2021) Yeast volatiles double starvation survival in Drosophila. *Science advances*, 7(20).

Huang S, et al. (2020) Presynaptic Active Zone Plasticity Encodes Sleep Need in Drosophila. *Current biology : CB*, 30(6), 1077.

Ki Y, et al. (2019) Sleep-promoting effects of threonine link amino acid metabolism in Drosophila neuron to GABAergic control of sleep drive. *eLife*, 8.

Raccuglia D, et al. (2019) Network-Specific Synchronization of Electrical Slow-Wave Oscillations Regulates Sleep Drive in Drosophila. *Current biology : CB*, 29(21), 3611.

Donlea JM, et al. (2018) Recurrent Circuitry for Balancing Sleep Need and Sleep. *Neuron*, 97(2), 378.