

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.

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

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.

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