

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=GMR43D01-GAL4}attP2](#)

RRID:BDSC_64345

Type: Organism

Proper Citation

RRID:BDSC_64345

Organism Information

URL: <https://n2t.net/bdsc:64345>

Proper Citation: RRID:BDSC_64345

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=GMR43D01-GAL4}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating TM2. May be segregating TM2. Donor: Ben Kallman & Kristin Scott, University of California, Berkeley; Donor's Source: Gerald M. Rubin, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: GAL4, grh, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 64345

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_64345, BDSC:64345, BL64345

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=GMR43D01-GAL4}attP2

Record Creation Time: 20240911T222959+0000

Record Last Update: 20260912T204203+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=GMR43D01-GAL4}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=GMR43D01-GAL4}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Zhang T, et al. (2025) SIFamide-dependent synaptic plasticity in male-specific GABAergic neurons underlies experience-modulated mating behaviors. *iScience*, 28(10), 113516.

Zhao H, et al. (2024) A neural pathway for social modulation of spontaneous locomotor activity (SoMo-SLA) in *Drosophila*. *Proceedings of the National Academy of Sciences of the United States of America*, 121(9), e2314393121.

Zhang L, et al. (2022) Nutrients and pheromones promote insulin release to inhibit courtship drive. *Science advances*, 8(10), eabl6121.

Sengupta S, et al. (2022) GABA transmission from mAL interneurons regulates aggression in *Drosophila* males. *Proceedings of the National Academy of Sciences of the United States of America*, 119(5).

Moscato EH, et al. (2020) Social Behavioral Deficits with Loss of Neurofibromin Emerge from Peripheral Chemosensory Neuron Dysfunction. *Cell reports*, 32(1), 107856.

Zhang SX, et al. (2018) Motivation, Perception, and Chance Converge to Make a Binary Decision. *Neuron*, 99(2), 376.