

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=GMR27E09-GAL4}attP2](#)

RRID:BDSC_49227

Type: Organism

Proper Citation

RRID:BDSC_49227

Organism Information

URL: <https://n2t.net/bdsc:49227>

Proper Citation: RRID:BDSC_49227

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=GMR27E09-GAL4}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: See https://bdsc.indiana.edu/stocks/gal4/gal4_janelia_info.html for important information. May be segregating TM3, Sb[1]. Donor: Gerald M. Rubin, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: Fmr1, GAL4, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 49227

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_49227, BDSC:49227, BL49227

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=GMR27E09-GAL4}attP2

Record Creation Time: 20240911T222740+0000

Record Last Update: 20260905T140623+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=GMR27E09-GAL4}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=GMR27E09-GAL4}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Chen J, et al. (2026) Resolving synaptic events using subsynaptically targeted GCaMP8 variants. eLife, 14.

Kautzmann S, et al. (2025) Cholinergic and Glutamatergic Axons Differentially Require Glial Support in the Drosophila PNS. Glia, 73(7), 1365.

Chien C, et al. (2025) Distinct input-specific mechanisms enable presynaptic homeostatic plasticity. Science advances, 11(7), eadr0262.

Crane AB, et al. (2025) A stochastic RNA editing process targets a select number of sites in individual Drosophila glutamatergic motoneurons. eLife, 14.

Chen J, et al. (2025) Resolving synaptic events using subsynaptically targeted GCaMP8 variants. bioRxiv : the preprint server for biology.

Crane AB, et al. (2024) A stochastic RNA editing process targets a limited number of sites in individual Drosophila glutamatergic motoneurons. bioRxiv : the preprint server for biology.

He K, et al. (2023) Physiologic and Nanoscale Distinctions Define Glutamatergic Synapses in Tonic vs Phasic Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(25), 4598.

Jetti SK, et al. (2023) Molecular Logic of Synaptic Diversity Between Drosophila Tonic and Phasic Motoneurons. bioRxiv : the preprint server for biology.

Han Y, et al. (2023) Excess glutamate release triggers subunit-specific homeostatic receptor scaling. Cell reports, 42(7), 112775.

Jetti SK, et al. (2023) Molecular logic of synaptic diversity between Drosophila tonic and phasic motoneurons. Neuron, 111(22), 3554.

Cooney PC, et al. (2023) Neuromuscular basis of *Drosophila* larval rolling escape behavior. *Proceedings of the National Academy of Sciences of the United States of America*, 120(51), e2303641120.

Han Y, et al. (2022) Botulinum neurotoxin accurately separates tonic vs. phasic transmission and reveals heterosynaptic plasticity rules in *Drosophila*. *eLife*, 11.

Aponte-Santiago NA, et al. (2020) Synaptic Plasticity Induced by Differential Manipulation of Tonic and Phasic Motoneurons in *Drosophila*. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(33), 6270.

Oliva MK, et al. (2020) Endoplasmic Reticulum Lumenal Indicators in *Drosophila* Reveal Effects of HSP-Related Mutations on Endoplasmic Reticulum Calcium Dynamics. *Frontiers in neuroscience*, 14, 816.

Genç Ö, et al. (2020) Homeostatic plasticity fails at the intersection of autism-gene mutations and a novel class of common genetic modifiers. *eLife*, 9.

Genç Ö, et al. (2019) Target-wide Induction and Synapse Type-Specific Robustness of Presynaptic Homeostasis. *Current biology : CB*, 29(22), 3863.

Pérez-Moreno JJ, et al. (2019) GAL4 Drivers Specific for Type Ib and Type Is Motor Neurons in *Drosophila*. *G3 (Bethesda, Md.)*, 9(2), 453.