# Resource Summary Report

Generated by RRID on Aug 4, 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, BL49227

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

**Record Creation Time:** 20240911T222740+0000

**Record Last Update:** 20260801T195406+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 16 mentions in open access literature.

**Listed below are recent publications.** The full list is available at RRID .


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.

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. bioRxiv : the preprint server for biology.

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.

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

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.