

Resource Summary Report

Generated by [dkNET](#) on Aug 6, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=GAL4-Mef2.R}3](#)

RRID:BDSC_27390

Type: Organism

Proper Citation

RRID:BDSC_27390

Organism Information

URL: <https://n2t.net/bdsc:27390>

Proper Citation: RRID:BDSC_27390

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=GAL4-Mef2.R}3 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Frank Schnorrer, Max Planck Institute of Biochemistry

Affected Gene: GAL4, Mef2, w, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 27390

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_27390, BL27390

Organism Name: y[1] w[*]; P{w[+mC]=GAL4-Mef2.R}3

Record Creation Time: 20240911T222445+0000

Record Last Update: 20260801T195015+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=GAL4-Mef2.R}3.

No alerts have been found for y[1] w[*]; P{w[+mC]=GAL4-Mef2.R}3.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 149 mentions in open access literature.

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

Okamoto N, et al. (2026) Neuroendocrine control of calcium mobilization in the fruit fly. Nature, 649(8095), 122.

Zhu Y, et al. (2025) Modulating CCTG repeat expansion toxicity in DM2 Drosophila model through TDP1 inhibition. EMBO molecular medicine, 17(5), 967.

Knudsen C, et al. (2025) Chondroitin sulfate regulates proliferation of Drosophila intestinal stem cells. PLoS genetics, 21(5), e1011686.

Akbergenova Y, et al. (2025) Active Zone Maturation Controls Presynaptic Output and Release Mode and Is Regulated by Neuronal Activity. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(48).

Tiwari P, et al. (2025) Overexpression of Drosophila NUA1 or Constitutively-Active Formin-Like Promotes the Formation of Aberrant Myofibrils. Cytoskeleton (Hoboken, N.J.).

Mackay DJ, et al. (2025) Pvf1-Pvr-mediated crosstalk between trachea and gut guides intestinal stem cell migration to promote gut regeneration. Nature communications, 16(1), 8597.

Greaney MR, et al. (2025) Multiple scales of coordination along the body axis during Drosophila larval locomotion. bioRxiv : the preprint server for biology.

Görög P, et al. (2025) Developmental remodelling of Drosophila flight muscle sarcomeres: a scaled myofilament lattice model based on multiscale morphometrics. Open biology, 15(8), 250182.

Zhao Z, et al. (2025) Stage-specific modulation of Drosophila gene expression with muscle GAL4 promoters. Fly, 19(1), 2447617.

Guo Y, et al. (2025) Loss of nuclear envelope bud formation leads to mitophagy initiation in Drosophila muscles. Autophagy reports, 4(1), 2471121.

- Patel AA, et al. (2025) Neural substrates of cold nociception in *Drosophila* larva. *eLife*, 12.
- Teles-Reis J, et al. (2025) EyaHOST, a modular genetic system for investigation of intercellular and tumor-host interactions in *Drosophila melanogaster*. *Cell reports methods*, 5(11), 101220.
- Sobrido-Cameán D, et al. (2025) Mitochondrial ROS and HIF-1 α signaling mediate synaptic plasticity in the critical period. *PLoS biology*, 23(8), e3003338.
- Jackson DJ, et al. (2025) CrebA regulation of secretory capacity: Genome-wide transcription profiling coupled with in vivo DNA binding studies. *bioRxiv : the preprint server for biology*.
- Bretscher H, et al. (2025) Glycogen homeostasis and mitochondrial DNA expression require motor neuron to muscle TGF- β /Activin signaling in *Drosophila*. *iScience*, 28(1), 111611.
- Moe SM, et al. (2025) MiR-92 Controls Synaptic Development Through Glial Vha55 Regulation. *Biomolecules*, 15(9).
- Jürgens K, et al. (2025) The ARVC-5-associated protein TMEM43 controls mitochondrial energy metabolism by stabilising ER-mitochondrial contact sites. *Cellular and molecular life sciences : CMLS*, 82(1), 400.
- Galeone A, et al. (2025) TUSC3 serves as a rate-limiting gatekeeper of a glycan-mediated ER Triage Checkpoint for BMP4/Dpp. *bioRxiv : the preprint server for biology*.
- Akbergenova Y, et al. (2025) Active zone maturation state controls synaptic output and release mode and is differentially regulated by neuronal activity. *bioRxiv : the preprint server for biology*.
- Rai M, et al. (2025) Glycolytic disruption restricts *Drosophila melanogaster* larval growth via the cytokine Upd3. *PLoS genetics*, 21(5), e1011690.