

Resource Summary Report

Generated by [NIF](#) on Aug 31, 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: 20260829T185919+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 172 mentions in open access literature.

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

Cuper D, et al. (2026) Tissue-specific role of dTrmO in threonine decoding during Drosophila melanogaster development. Biological research, 59(1).

Crabtree A, et al. (2026) Stress-Encoded Mitochondrial Plasticity: ATF4 Control of Mega-Mitochondria and Nanotunnel Communication. bioRxiv : the preprint server for biology.

Dileep M, et al. (2026) Synergism of IP3R and Parkin mutants identifies mitochondrial stress as an early feature of Parkinson's disease. Disease models & mechanisms, 19(1).

Das J, et al. (2026) Pathogenic mutations in clathrin heavy chain disrupt synapse architecture and learning in Drosophila. iScience, 29(7), 116317.

Rai M, et al. (2026) Drosophila melanogaster lactate dehydrogenase deficiency recapitulates the exercise intolerance of human glycogen storage disease type XI. bioRxiv : the preprint server for biology.

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

Pal S, et al. (2026) Cell type specific allometry controls sex-differences in Drosophila organ size. Genetics, 233(2).

Townsley RE, et al. (2026) NLGN3 autism variants have distinct functional impact on synapses and sleep behavior in Drosophila. bioRxiv : the preprint server for biology.

Guillermin C, et al. (2026) Spatiotemporal control of myoblast identity drives muscle diversity in the Drosophila leg. Science advances, 12(27), eaed0910.

Arachchige AR, et al. (2026) Cardiomyopathy-associated and basic residue mutations in myopalladin alter actin binding, bundling, and structural stability. Protein science : a publication of the Protein Society, 35(2), e70490.

Kawaguchi K, et al. (2026) Linear ubiquitination triggers Amph-mediated T-tubule biogenesis. *Science advances*, 12(2), eady4934.

Girard V, et al. (2026) ShineGAL4 drivers for tissue and cell-type specific optogenetics in *Drosophila*. *Development (Cambridge, England)*, 153(4).

Greaney MR, et al. (2026) Multiple Scales of Coordination along the Body Axis during *Drosophila* Larval Locomotion. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 46(20).

Zhao Z, et al. (2026) CryAB-driven amyloidogenesis in *Drosophila* muscle engages extracellular vesicle pathways for cellular release. *iScience*, 29(4), 115461.

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).

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.

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.

Li L, et al. (2025) dFlpTag, a RMCE-based tool for simultaneous endogenous protein tagging and cell labeling in *Drosophila*. *Scientific reports*, 15(1), 45542.