

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

[w\[*\]; P{w\[+m*\]=Mef2-GAL4.247}3](#)

RRID:BDSC_50742

Type: Organism

Proper Citation

RRID:BDSC_50742

Organism Information

URL: <https://n2t.net/bdsc:50742>

Proper Citation: RRID:BDSC_50742

Description: Drosophila melanogaster with name w[*]; P{w[+m*]=Mef2-GAL4.247}3 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Tzumin Lee, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: GAL4, Mef2, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 50742

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_50742, BL50742

Organism Name: w[*]; P{w[+m*]=Mef2-GAL4.247}3

Record Creation Time: 20240911T222750+0000

Record Last Update: 20260829T190321+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+m*]=Mef2-GAL4.247}3.

No alerts have been found for $w[*]$; $P\{w[+m^*]=Mef2-GAL4.247\}3$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 153 mentions in open access literature.

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

Mallik B, et al. (2026) An ArfGAP-dependent signaling modulates synaptic plasticity via IP3-regulated calcium release from the endoplasmic reticulum. *PLoS genetics*, 22(1), e1012031.

Miao H, et al. (2025) The foraging gene coordinates brain and heart networks to modulate socially cued interval timing in *Drosophila*. *PLoS genetics*, 21(7), e1011752.

Abubaker MB, et al. (2024) Asymmetric neurons are necessary for olfactory learning in the *Drosophila* brain. *Current biology : CB*, 34(5), 946.

Rozenfeld E, et al. (2024) Neuronal circuit mechanisms of competitive interaction between action-based and coincidence learning. *Science advances*, 10(49), eadq3016.

Vieira Contreras F, et al. (2024) The adhesion G-protein-coupled receptor mayo/CG11318 controls midgut development in *Drosophila*. *Cell reports*, 43(1), 113640.

Guo Y, et al. (2024) Protocol for affinity purification-mass spectrometry interactome profiling in larvae of *Drosophila melanogaster*. *STAR protocols*, 5(2), 103064.

Peng D, et al. (2024) Large-language models facilitate discovery of the molecular signatures regulating sleep and activity. *Nature communications*, 15(1), 3685.

Dondi C, et al. (2024) The nutrient sensor CRTC and Sarcalumenin/thinman represent an alternate pathway in cardiac hypertrophy. *Cell reports*, 43(8), 114549.

Bonanno SL, et al. (2024) Constitutive and Conditional Epitope Tagging of Endogenous G-Protein-Coupled Receptors in *Drosophila*. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(33).

Koh WS, et al. (2023) Regulation of morphogen pathways by a *Drosophila* chondroitin sulfate proteoglycan Windpipe. *Journal of cell science*, 136(7).

Birker K, et al. (2023) Mitochondrial MICOS complex genes, implicated in hypoplastic left heart syndrome, maintain cardiac contractility and actomyosin integrity. *eLife*, 12.

Bonanno SL, et al. (2023) Transcriptional changes in specific subsets of *Drosophila* neurons following inhibition of the serotonin transporter. *Translational psychiatry*, 13(1),

Guss EJ, et al. (2023) Loss of the extracellular matrix protein Perlecan disrupts axonal and synaptic stability during *Drosophila* development. *eLife*, 12.

Bonanno SL, et al. (2023) Transcriptional changes in specific subsets of *Drosophila* neurons following inhibition of the serotonin transporter. *Research square*.

Mohamed A, et al. (2023) Mushroom body output neurons MBON-a1/a2 define an odor intensity channel that regulates behavioral odor discrimination learning in larval *Drosophila*. *Frontiers in physiology*, 14, 1111244.

Kim MJ, et al. (2023) Expression of *Drosophila* VDRC GD RNAi lines in larval skeletal muscle often leads to abnormal proteostasis. *microPublication biology*, 2023.

Bengochea M, et al. (2023) Numerical discrimination in *Drosophila melanogaster*. *Cell reports*, 42(7), 112772.

Takakura M, et al. (2023) Differential second messenger signaling via dopamine neurons bidirectionally regulates memory retention. *Proceedings of the National Academy of Sciences of the United States of America*, 120(36), e2304851120.

Sorka?? A, et al. (2023) retro-Tango enables versatile retrograde circuit tracing in *Drosophila*. *eLife*, 12.

Liu Q, et al. (2022) Tom70-based transcriptional regulation of mitochondrial biogenesis and aging. *eLife*, 11.