

Resource Summary Report

Generated by [dkNET](#) on Sep 10, 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, BDSC:50742, BL50742

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

Record Creation Time: 20240911T222750+0000

Record Last Update: 20260905T140637+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 [dkNET](#) .

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.

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).

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

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.

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. *Translational psychiatry*, 13(1), 226.

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.

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.

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

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.