

Resource Summary Report

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

[w\[*\]; P{w\[+mC\]=Mhc-GAL4.K}2/TM3, Sb\[1\]](#)

RRID:BDSC_55133

Type: Organism

Proper Citation

RRID:BDSC_55133

Organism Information

URL: <https://n2t.net/bdsc:55133>

Proper Citation: RRID:BDSC_55133

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=Mhc-GAL4.K}2/TM3, Sb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Lethal on third chromosome is likely not linked to insertion. Donor: Frank Schnorrer, Max Planck Institute of Biochemistry

Affected Gene: GAL4, Mhc, Sb, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 55133

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_55133, BL55133

Organism Name: w[*]; P{w[+mC]=Mhc-GAL4.K}2/TM3, Sb[1]

Record Creation Time: 20240911T222831+0000

Record Last Update: 20260801T195511+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=Mhc-GAL4.K}2/TM3, Sb[1].

No alerts have been found for w[*]; P{w[+mC]=Mhc-GAL4.K}2/TM3, Sb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 29 mentions in open access literature.

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

Couto-Lima CA, et al. (2025) Impairment of Muscle Function Causes Pupal Lethality in Flies Expressing the Mitochondrial Alternative Oxidase. *Biomolecules*, 15(4).

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.

Ghosh K, et al. (2025) Genetic perturbation of cellular homeostasis regulates integrated stress response signaling to control *Drosophila* hematopoiesis. *Biology open*, 14(7).

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.

Czajewski I, et al. (2024) Rescuable sleep and synaptogenesis phenotypes in a *Drosophila* model of O-GlcNAc transferase intellectual disability. *eLife*, 13.

Gao YH, et al. (2024) Muscle Psn gene combined with exercise contribute to healthy aging of skeletal muscle and lifespan by adaptively regulating Sirt1/PGC-1? and arm pathway. *PloS one*, 19(5), e0300787.

Wang F, et al. (2024) SARS-CoV-2 membrane protein induces neurodegeneration via affecting Golgi-mitochondria interaction. *Translational neurodegeneration*, 13(1), 68.

Bakopoulos D, et al. (2023) Convergent insulin and TGF-? signalling drives cancer cachexia by promoting aberrant fat body ECM accumulation in a *Drosophila* tumour model. *EMBO reports*, 24(12), e57695.

Davidson KA, et al. (2023) Centralspindlin proteins Pavarotti and Tumbleweed along with WASH regulate nuclear envelope budding. *The Journal of cell biology*, 222(8).

Ho CH, et al. (2022) An exon junction complex-independent function of Barentsz in neuromuscular synapse growth. *EMBO reports*, 23(1), e53231.

El-Kholy SE, et al. (2022) Octopamine signaling via Oct²R is essential for a well-orchestrated climbing performance of adult *Drosophila melanogaster*. *Scientific reports*, 12(1), 14024.

Cha SJ, et al. (2022) Therapeutic modulation of GSTO activity rescues FUS-associated neurotoxicity via deglutathionylation in ALS disease models. *Developmental cell*, 57(6), 783.

Balderas E, et al. (2022) Mitochondrial calcium uniporter stabilization preserves energetic homeostasis during Complex I impairment. *Nature communications*, 13(1), 2769.

Pan Y, et al. (2022) Myc suppresses male-male courtship in *Drosophila*. *The EMBO journal*, 41(7), e109905.

Zhao X, et al. (2021) Glutamate metabolism directs energetic trade-offs to shape host-pathogen susceptibility in *Drosophila*. *Cell metabolism*, 33(12), 2428.

Sidisky JM, et al. (2021) Mayday sustains trans-synaptic BMP signaling required for synaptic maintenance with age. *eLife*, 10.

Losada-Pérez M, et al. (2021) A novel injury paradigm in the central nervous system of adult *Drosophila*: molecular, cellular and functional aspects. *Disease models & mechanisms*, 14(5).

Arquier N, et al. (2021) Brain adiponectin signaling controls peripheral insulin response in *Drosophila*. *Nature communications*, 12(1), 5633.

Graca FA, et al. (2021) A large-scale transgenic RNAi screen identifies transcription factors that modulate myofiber size in *Drosophila*. *PLoS genetics*, 17(11), e1009926.

Morton DJ, et al. (2020) A *Drosophila* model of Pontocerebellar Hypoplasia reveals a critical role for the RNA exosome in neurons. *PLoS genetics*, 16(7), e1008901.