

Resource Summary Report

Generated by [NIF](#) on Sep 12, 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, BDSC:55133, BL55133

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

Record Creation Time: 20240911T222831+0000

Record Last Update: 20260905T140737+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 35 mentions in open access literature.

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

Töpfer U, et al. (2026) Mmp2 regulates basement membrane remodeling and dedifferentiation of the visceral musculature during Drosophila metamorphosis. *Scientific reports*, 16(1).

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.

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

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.

Sung H, et al. (2024) Disrupted endoplasmic reticulum-mediated autophagosomal biogenesis in a Drosophila model of C9-ALS-FTD. *Autophagy*, 20(1), 94.

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

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 α and arm pathway. *PloS one*, 19(5), e0300787.

Iruzubieta P, et al. (2024) Biallelic variants in SNUPN cause a limb girdle muscular dystrophy with myofibrillar-like features. *Brain : a journal of neurology*, 147(8), 2867.

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

Wen DT, et al. (2023) Role of muscle FOXO gene in exercise against the skeletal muscle and cardiac age-related defects and mortality caused by high-salt intake in *Drosophila*. *Genes & nutrition*, 18(1), 6.

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

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

Huang Y, et al. (2022) Pantothenate kinase 2 interacts with PINK1 to regulate mitochondrial quality control via acetyl-CoA metabolism. *Nature communications*, 13(1), 2412.

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

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

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

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.

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