

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

w[1118]; M{w[+mC]=nSyb-GAL4.P}ZH-86Fb/TM6B

RRID:BDSC_68222

Type: Organism

Proper Citation

RRID:BDSC_68222

Organism Information

URL: <https://n2t.net/bdsc:68222>

Proper Citation: RRID:BDSC_68222

Description: Drosophila melanogaster with name w[1118]; M{w[+mC]=nSyb-GAL4.P}ZH-86Fb/TM6B from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Alex Whitworth, University of Cambridge & Victoria Hewitt, Medical Research Council; Donor's Source: Bloomington Drosophila Stock Center

Affected Gene: GAL4, nSyb, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 68222

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_68222, BL68222

Organism Name: w[1118]; M{w[+mC]=nSyb-GAL4.P}ZH-86Fb/TM6B

Record Creation Time: 20240911T223037+0000

Record Last Update: 20260829T190710+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; M{w[+mC]=nSyb-GAL4.P}ZH-86Fb/TM6B.

No alerts have been found for w[1118]; M{w[+mC]=nSyb-GAL4.P}ZH-86Fb/TM6B.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 69 mentions in open access literature.

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

Justs KA, et al. (2026) Optimal neuromuscular performance requires motor neuron phosphagen kinases. *The Journal of physiology*, 604(5), 2027.

Kurata Y, et al. (2026) Octopamine signaling from clock neurons plays dual roles in *Drosophila* long-term memory. *PLoS genetics*, 22(2), e1012045.

Sato T, et al. (2026) Role of dopamine signaling in male courtship suppression induced by confinement stress in *Drosophila*. *iScience*, 29(6), 115906.

Gerdy V, et al. (2025) TET exhibits enzymatic-independent and-dependent functions during *Drosophila* flight muscle development and aging. *Skeletal muscle*, 15(1), 30.

Chang YC, et al. (2025) Peripheral glia and neurons jointly regulate activity-induced synaptic remodeling at the *Drosophila* neuromuscular junction. *eLife*, 14.

Feghhi T, et al. (2025) Bichromatic Exon-Reporters Reveal Voltage-Gated Ca²⁺-Channel Splice-Isoform Diversity across *Drosophila* Neurons In Vivo. *eNeuro*, 12(8).

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.

Komarov N, et al. (2025) Food hardness preference reveals multisensory contributions of fly larval gustatory organs in behaviour and physiology. *PLoS biology*, 23(1), e3002730.

Joyce M, et al. (2024) Divergent evolution of sleep in *Drosophila* species. *Nature communications*, 15(1), 5091.

Haynes PR, et al. (2024) A neuron-glia lipid metabolic cycle couples daily sleep to mitochondrial homeostasis. *Nature neuroscience*, 27(4), 666.

Bernardo G, et al. (2024) USP14 inhibition enhances Parkin-independent mitophagy in iNeurons. *Pharmacological research*, 210, 107484.

Au WH, et al. (2024) Activation of the Keap1/Nrf2 pathway suppresses mitochondrial dysfunction, oxidative stress, and motor phenotypes in C9orf72 ALS/FTD models. *Life science alliance*, 7(9).

Martinez A, et al. (2024) Mitochondrial Cisd1/Cisd accumulation blocks mitophagy and genetic or pharmacological inhibition rescues neurodegenerative phenotypes in Pink1/parkin models. *Molecular neurodegeneration*, 19(1), 12.

Yip C, et al. (2024) Neuronal E93 is required for adaptation to adult metabolism and behavior. *Molecular metabolism*, 84, 101939.

Yoshinari Y, et al. (2024) A high-protein diet-responsive gut hormone regulates behavioral and metabolic optimization in *Drosophila melanogaster*. *Nature communications*, 15(1), 10819.

Palermo J, et al. (2023) Variant-to-gene mapping followed by cross-species genetic screening identifies GPI-anchor biosynthesis as a regulator of sleep. *Science advances*, 9(1), eabq0844.

Wright N, et al. (2023) mtFRC: depth-dependent resolution quantification of image features in 3D fluorescence microscopy. *Bioinformatics advances*, 3(1), vbad182.

Fernandes AR, et al. (2023) *Drosophila* motor neuron boutons remodel through membrane blebbing coupled with muscle contraction. *Nature communications*, 14(1), 3352.

Ervilha Pereira P, et al. (2023) C-terminal frameshift variant of TDP-43 with pronounced aggregation-propensity causes rimmed vacuole myopathy but not ALS/FTD. *Acta neuropathologica*, 145(6), 793.

Sanchez-Martinez A, et al. (2023) FBXO7/ntc and USP30 antagonistically set the ubiquitination threshold for basal mitophagy and provide a target for Pink1 phosphorylation in vivo. *PLoS biology*, 21(8), e3002244.