

Resource Summary Report

Generated by T1D on Sep 6, 2026

w[*]; P{w[+mC]=UAS-lacZ.B}melt[Bg4-2-4b]

RRID:BDSC_1777

Type: Organism

Proper Citation

RRID:BDSC_1777

Organism Information

URL: <https://n2t.net/bdsc:1777>

Proper Citation: RRID:BDSC_1777

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-lacZ.B}melt[Bg4-2-4b] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Norbert Perrimon, Harvard Medical School

Affected Gene: Eco\lacZ, melt, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 1777

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_1777, BDSC:1777, BL1777

Organism Name: w[*]; P{w[+mC]=UAS-lacZ.B}melt[Bg4-2-4b]

Record Creation Time: 20240911T222129+0000

Record Last Update: 20260905T135738+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-lacZ.B}melt[Bg4-2-4b].

No alerts have been found for w[*]; P{w[+mC]=UAS-lacZ.B}melt[Bg4-2-4b].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Sui L, et al. (2026) Extracellular matrix restrains cell-cycle progression by nuclear exclusion of Yorkie in Drosophila. *Current biology : CB*, 36(2), 474.

Zhang S, et al. (2025) Drosophila aux orchestrates the phosphorylation-dependent assembly of the lysosomal V-ATPase in glia and contributes to SNCA/?-synuclein degradation. *Autophagy*, 21(5), 1039.

Wang L, et al. (2025) New Atg9 Phosphorylation Sites Regulate Autophagic Trafficking in Glia. *ASN neuro*, 17(1), 2443442.

Yi S, et al. (2024) The autophagy protein Atg9 functions in glia and contributes to parkinsonian symptoms in a Drosophila model of Parkinson's disease. *Neural regeneration research*, 19(5), 1150.

Soares CC, et al. (2024) Autocrine glutamate signaling drives cell competition in Drosophila. *Developmental cell*, 59(22), 2974.

Barwell T, et al. (2023) Juvenile and adult expression of polyglutamine expanded huntingtin produce distinct aggregate distributions in Drosophila muscle. *Human molecular genetics*, 32(16), 2656.

Hsiao MC, et al. (2022) Whole-mount immunofluorescent labeling of the adult fly retina. *STAR protocols*, 3(2), 101430.

Marzano M, et al. (2021) AMPK adapts metabolism to developmental energy requirement during dendrite pruning in Drosophila. *Cell reports*, 37(7), 110024.

Banisch TU, et al. (2021) A transitory signaling center controls timing of primordial germ cell differentiation. *Developmental cell*, 56(12), 1742.

Girard V, et al. (2021) Abnormal accumulation of lipid droplets in neurons induces the conversion of alpha-Synuclein to proteolytic resistant forms in a Drosophila model of Parkinson's disease. *PLoS genetics*, 17(11), e1009921.

Töpfer U, et al. (2019) Serpent/dGATAb regulates Laminin B1 and Laminin B2 expression during *Drosophila* embryogenesis. *Scientific reports*, 9(1), 15910.

Marchetti G, et al. (2019) Modulators of hormonal response regulate temporal fate specification in the *Drosophila* brain. *PLoS genetics*, 15(12), e1008491.

Xiao C, et al. (2019) Expression of Heat Shock Protein 70 Is Insufficient To Extend *Drosophila melanogaster* Longevity. *G3 (Bethesda, Md.)*, 9(12), 4197.

Guo L, et al. (2018) Nuclear-Import Receptors Reverse Aberrant Phase Transitions of RNA-Binding Proteins with Prion-like Domains. *Cell*, 173(3), 677.

Zhou J, et al. (2018) Cellular Uptake of A Taurine-Modified, Ester Bond-Decorated D-Peptide Derivative via Dynamin-Based Endocytosis and Macropinocytosis. *Molecular therapy : the journal of the American Society of Gene Therapy*, 26(2), 648.

Conway S, et al. (2018) Pleiotropic and novel phenotypes in the *Drosophila* gut caused by mutation of drop-dead. *Journal of insect physiology*, 105, 76.

Ansar M, et al. (2018) Visual impairment and progressive phthisis bulbi caused by recessive pathogenic variant in MARK3. *Human molecular genetics*, 27(15), 2703.