

Resource Summary Report

Generated by [NIF](#) on Sep 11, 2026

[w\[*\]; P{w\[+mC\]=wor.GAL4.A}2; Dr\[1\]/TM3, P{w\[+m*\]=Ubx-lacZ.w\[+\]}TM3, Sb\[1\]](#)

RRID:BDSC_56553

Type: Organism

Proper Citation

RRID:BDSC_56553

Organism Information

URL: <https://n2t.net/bdsc:56553>

Proper Citation: RRID:BDSC_56553

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=wor.GAL4.A}2; Dr[1]/TM3, P{w[+m*]=Ubx-lacZ.w[+]}TM3, Sb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Chris Doe, University of Oregon; Donor's Source: Mike Cleary, University of California, Merced

Affected Gene: Dr, Eco\lacZ, Ubx, GAL4, wor, Sb, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 56553

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_56553, BDSC:56553, BL56553

Organism Name: w[*]; P{w[+mC]=wor.GAL4.A}2; Dr[1]/TM3, P{w[+m*]=Ubx-lacZ.w[+]}TM3, Sb[1]

Record Creation Time: 20240911T222845+0000

Record Last Update: 20260905T140759+0000

Ratings and Alerts

No rating or validation information has been found for $w[*]$; $P\{w[+mC]=wor.GAL4.A\}2$; $Dr[1]/TM3$, $P\{w[+m*]=Ubx-lacZ.w[+]\}TM3$, $Sb[1]$.

No alerts have been found for $w[*]$; $P\{w[+mC]=wor.GAL4.A\}2$; $Dr[1]/TM3$, $P\{w[+m*]=Ubx-lacZ.w[+]\}TM3$, $Sb[1]$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

González-Blanco A, et al. (2026) Proteostasis failure and mitochondrial dysfunction contribute to chromosomal instability-induced microcephaly. *Nature communications*, 17(1).

Khan C, et al. (2025) Allograft transplantation for Drosophila tumor metastasis studies. *Disease models & mechanisms*, 18(12).

Das P, et al. (2025) The Hox Gene, abdominal-A, controls the size and timely mitotic entry of neural stem cells during CNS patterning in Drosophila. *Molecular biology of the cell*, 36(11), ar130.

Barthel L, et al. (2024) The transcription elongation factors Spt4 and Spt5 control neural progenitor proliferation and are implicated in neuronal remodeling during Drosophila mushroom body development. *Frontiers in cell and developmental biology*, 12, 1434168.

Manzanero-Ortiz S, et al. (2024) Drosophila p53 tumor suppressor directly activates conserved asymmetric stem cell division regulators. *iScience*, 27(11), 111118.

Das P, et al. (2024) The Hox Gene, abdominal A controls timely mitotic entry of neural stem cell and their growth during CNS development in Drosophila. *bioRxiv : the preprint server for biology*.

Benchorin G, et al. (2024) Dan forms condensates in neuroblasts and regulates nuclear architecture and progenitor competence in vivo. *Nature communications*, 15(1), 5097.

Mohana G, et al. (2023) Chromosome-level organization of the regulatory genome in the Drosophila nervous system. *Cell*, 186(18), 3826.

Banach-Latapy A, et al. (2023) Differential adhesion during development establishes individual neural stem cell niches and shapes adult behaviour in Drosophila. *PLoS biology*,

21(11), e3002352.

Nelson JO, et al. (2023) The retrotransposon R2 maintains *Drosophila* ribosomal DNA repeats. *Proceedings of the National Academy of Sciences of the United States of America*, 120(23), e2221613120.

Hannaford MR, et al. (2022) Pericentrin interacts with Kinesin-1 to drive centriole motility. *The Journal of cell biology*, 221(9).

de Torres-Jurado A, et al. (2022) Glial-secreted Netrins regulate Robo1/Rac1-Cdc42 signaling threshold levels during *Drosophila* asymmetric neural stem/progenitor cell division. *Current biology : CB*, 32(10), 2174.

Palumbo RJ, et al. (2022) A clinically-relevant residue of POLR1D is required for *Drosophila* development. *Developmental dynamics : an official publication of the American Association of Anatomists*, 251(11), 1780.

Oon CH, et al. (2021) Phases of cortical actomyosin dynamics coupled to the neuroblast polarity cycle. *eLife*, 10.

Pütz SM, et al. (2021) Loss of p21-activated kinase Mbt/PAK4 causes Parkinson-like phenotypes in *Drosophila*. *Disease models & mechanisms*, 14(6).

Hatch HAM, et al. (2021) A KDM5-Prospero transcriptional axis functions during early neurodevelopment to regulate mushroom body formation. *eLife*, 10.

Holly RW, et al. (2020) A Conserved PDZ-Binding Motif in aPKC Interacts with Par-3 and Mediates Cortical Polarity. *Current biology : CB*, 30(5), 893.

Ly PT, et al. (2020) Fzr/Cdh1 Promotes the Differentiation of Neural Stem Cell Lineages in *Drosophila*. *Frontiers in cell and developmental biology*, 8, 60.

Pop S, et al. (2020) Extensive and diverse patterns of cell death sculpt neural networks in insects. *eLife*, 9.

Khor S, et al. (2020) Control of lifespan and survival by *Drosophila* NF- κ B signaling through neuroendocrine cells and neuroblasts. *Aging*, 12(24), 24604.