

Resource Summary Report

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

[aub\[HN2\] cn\[1\] bw\[1\]/CyO](#)

RRID:BDSC_8517

Type: Organism

Proper Citation

RRID:BDSC_8517

Organism Information

URL: <https://n2t.net/bdsc:8517>

Proper Citation: RRID:BDSC_8517

Description: Drosophila melanogaster with name aub[HN2] cn[1] bw[1]/CyO from BDSC.

Species: Drosophila melanogaster

Notes: Stock has poor Cy[1] expression. Donor: Bill Theurkauf & Heather Cook, University of Massachusetts Medical School; Donor's Source: Trudi Schupbach, Princeton University

Affected Gene: aub, bw, cn

Genomic Alteration: Chromosome 2

Catalog Number: 8517

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8517, BDSC:8517, BL8517

Organism Name: aub[HN2] cn[1] bw[1]/CyO

Record Creation Time: 20240911T222217+0000

Record Last Update: 20260905T135847+0000

Ratings and Alerts

No rating or validation information has been found for aub[HN2] cn[1] bw[1]/CyO.

No alerts have been found for aub[HN2] cn[1] bw[1]/CyO.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Bellec K, et al. (2026) Non-gonadal PIWIL1/Aubergine drives regenerative and tumorigenic stem cell proliferation and tumorigenesis in the intestine. Cell reports, 45(4), 117186.

Chavan A, et al. (2025) Multi-tissue characterization of the constitutive heterochromatin proteome in Drosophila identifies a link between satellite DNA organization and transposon repression. PLoS biology, 23(1), e3002984.

Adashev VE, et al. (2024) Essential functions of RNA helicase Vasa in maintaining germline stem cells and piRNA-guided Stellate silencing in Drosophila spermatogenesis. Frontiers in cell and developmental biology, 12, 1450227.

Li Y, et al. (2023) Drosophila transmembrane protein 214 (dTMEM214) regulates midgut glucose uptake and systemic glucose homeostasis. Developmental biology, 495, 92.

Iki T, et al. (2023) miRNA/siRNA-directed pathway to produce noncoding piRNAs from endogenous protein-coding regions ensures Drosophila spermatogenesis. Science advances, 9(29), eadh0397.

Lim LX, et al. (2022) The Tudor Domain-Containing Protein, Kotsubu (CG9925), Localizes to the Nuage and Functions in piRNA Biogenesis in D. melanogaster. Frontiers in molecular biosciences, 9, 818302.

Huang X, et al. (2021) Binding of guide piRNA triggers methylation of the unstructured N-terminal region of Aub leading to assembly of the piRNA amplification complex. Nature communications, 12(1), 4061.

Chen P, et al. (2021) piRNA-mediated gene regulation and adaptation to sex-specific transposon expression in D. melanogaster male germline. Genes & development, 35(11-12), 914.

Vrettos N, et al. (2021) Modulation of Aub-TDRD interactions elucidates piRNA amplification and germplasm formation. Life science alliance, 4(3).

Cui M, et al. (2021) Taming active transposons at Drosophila telomeres: The interconnection between HipHop's roles in capping and transcriptional silencing. PLoS genetics, 17(11), e1009925.

Wang L, et al. (2020) Adaptive evolution among cytoplasmic piRNA proteins leads to decreased genomic auto-immunity. PLoS genetics, 16(6), e1008861.

Cappucci U, et al. (2019) The Hsp70 chaperone is a major player in stress-induced transposable element activation. Proceedings of the National Academy of Sciences of the United States of America, 116(36), 17943.

Ma X, et al. (2017) Aubergine Controls Germline Stem Cell Self-Renewal and Progeny Differentiation via Distinct Mechanisms. Developmental cell, 41(2), 157.