

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

[w\[*\]; sr\[1\] ninaE\[17\] e\[s\]](#)

RRID:BDSC_5701

Type: Organism

Proper Citation

RRID:BDSC_5701

Organism Information

URL: <https://n2t.net/bdsc:5701>

Proper Citation: RRID:BDSC_5701

Description: Drosophila melanogaster with name w[*]; sr[1] ninaE[17] e[s] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Gerald M. Rubin, University of California, Berkeley

Affected Gene: e, ninaE, sr, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 5701

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_5701, BDSC:5701, BL5701

Organism Name: w[*]; sr[1] ninaE[17] e[s]

Record Creation Time: 20240911T222154+0000

Record Last Update: 20260905T135814+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; sr[1] ninaE[17] e[s].

No alerts have been found for w[*]; sr[1] ninaE[17] e[s].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Hung YC, et al. (2026) A day sleep promoting role of phototransduction in *Drosophila melanogaster*. *Neurobiology of sleep and circadian rhythms*, 20, 100146.

Thakur D, et al. (2025) Control of odor sensation by light and cryptochrome in the *Drosophila* antenna. *iScience*, 28(5), 112443.

Piacenti-Silva M, et al. (2025) Role of visual and non-visual opsins in blue light-induced neurodegeneration in *Drosophila melanogaster*. *Frontiers in public health*, 13, 1644780.

Nolan RB, et al. (2023) Visual and circadian regulation of *Drosophila* BDBT and BDBT effects on DBT and PER localization. *iScience*, 26(4), 106343.

Brandwine T, et al. (2021) Knockdown of Dehydrodolichyl Diphosphate Synthase in the *Drosophila* Retina Leads to a Unique Pattern of Retinal Degeneration. *Frontiers in molecular neuroscience*, 14, 693967.

Li Q, et al. (2020) Temperature and Sweet Taste Integration in *Drosophila*. *Current biology : CB*, 30(11), 2051.

Leung NY, et al. (2020) Functions of Opsins in *Drosophila* Taste. *Current biology : CB*, 30(8), 1367.

Li MT, et al. (2018) Hub-organized parallel circuits of central circadian pacemaker neurons for visual photoentrainment in *Drosophila*. *Nature communications*, 9(1), 4247.