Resource Summary Report

Generated by NIF on Aug 23, 2026

w[1118]; P{y[+t7.7] w[+mC]=R53C03-p65.AD}attP40; P{y[+t7.7] w[+mC]=R24E12-GAL4.DBD}attP2/TM6B, Tb[1]

RRID:BDSC_68309
Type: Organism

Proper Citation

RRID:BDSC_68309

Organism Information

URL: https://n2t.net/bdsc:68309

Proper Citation: RRID:BDSC_68309

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=R53C03-p65.AD}attP40; P{y[+t7.7] w[+mC]=R24E12-GAL4.DBD}attP2/TM6B, Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: This is Janelia line MB298B, from Aso et al., 2014 (https://doi.org/10.7554/eLife.04577). 3rd chromosome homozygotes may be present. May be segregating CyO. Donor: Gerald M. Rubin, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: CCHa1-R, GAL4(DBD)::Zip-, 5-HT1A, p65(AD)::Zip+, Tb, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 68309

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_68309, BL68309

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=R53C03-p65.AD}attP40; P{y[+t7.7] w[+mC]=R24E12-GAL4.DBD}attP2/TM6B, Tb[1]

Record Creation Time: 20240911T223038+0000

Record Last Update: 20260815T192342+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=R53C03-p65.AD}attP40; P{y[+t7.7] w[+mC]=R24E12-GAL4.DBD}attP2/TM6B, Tb[1].

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=R53C03-p65.AD}attP40; P{y[+t7.7] w[+mC]=R24E12-GAL4.DBD}attP2/TM6B, Tb[1].

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 .

Reyes M, et al. (2026) Octopamine regulates neural circuits in the mushroom body and central complex, influencing sleep and arousal. iScience, 29(5), 115564.

Huang N, et al. (2025) Rapid memory shift between different synaptic ensembles promotes forgetting in Drosophila. Current biology : CB, 35(13), 3119.

Rozenfeld E, et al. (2024) Neuronal circuit mechanisms of competitive interaction between action-based and coincidence learning. Science advances, 10(49), eadq3016.

Shen P, et al. (2023) Neural circuit mechanisms linking courtship and reward in Drosophila males. Current biology : CB, 33(10), 2034.

Hancock CE, et al. (2022) Visualization of learning-induced synaptic plasticity in output neurons of the Drosophila mushroom body ?-lobe. Scientific reports, 12(1), 10421.

Bornstein B, et al. (2021) Transneuronal Dpr12/DIP-? interactions facilitate compartmentalized dopaminergic innervation of Drosophila mushroom body axons. The EMBO journal, 40(12), e105763.

Scaplen KM, et al. (2021) Transsynaptic mapping of Drosophila mushroom body output neurons. eLife, 10.

Tsao CH, et al. (2018) Drosophila mushroom bodies integrate hunger and satiety signals to control innate food-seeking behavior. eLife, 7.