

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

[w\[*\]; P{y\[+t7.7\] w\[+mC\]=VGlut1-GAL80.V}attP40/CyO; TM6B, Tb\[1\]/TM3, Sb\[1\]](#)

RRID:BDSC_58448

Type: Organism

Proper Citation

RRID:BDSC_58448

Organism Information

URL: <https://n2t.net/bdsc:58448>

Proper Citation: RRID:BDSC_58448

Description: Drosophila melanogaster with name w[*]; P{y[+t7.7] w[+mC]=VGlut1-GAL80.V}attP40/CyO; TM6B, Tb[1]/TM3, Sb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Homozygotes present. Donor: Leslie Vosshall, Rockefeller University

Affected Gene: GAL80, VGlut1, Sb, Tb, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 58448

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_58448, BL58448

Organism Name: w[*]; P{y[+t7.7] w[+mC]=VGlut1-GAL80.V}attP40/CyO; TM6B, Tb[1]/TM3, Sb[1]

Record Creation Time: 20240911T222903+0000

Record Last Update: 20260829T190458+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{y[+t7.7] w[+mC]=VGlut1-GAL80.V}attP40/CyO; TM6B, Tb[1]/TM3, Sb[1].

No alerts have been found for w[*]; P{y[+t7.7] w[+mC]=VGlut1-GAL80.V}attP40/CyO; TM6B, Tb[1]/TM3, Sb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Ryba A, et al. (2026) Strain variation identifies a neural substrate for behavioral evolution in Drosophila. Current biology : CB, 36(5), 1247.

Ryba A, et al. (2025) Strain variation identifies a neural substrate for behavioral evolution in Drosophila. bioRxiv : the preprint server for biology.

Lu W, et al. (2025) 'Mitotic' kinesin-5 is a dynamic brake for axonal growth in Drosophila. Development (Cambridge, England), 152(9).

Schoofs A, et al. (2024) Serotonergic modulation of swallowing in a complete fly vagus nerve connectome. Current biology : CB, 34(19), 4495.

Zhao Q, et al. (2024) A two-layer neural circuit controls fast forward locomotion in Drosophila. Current biology : CB, 34(15), 3439.

Tsuji M, et al. (2023) Threat gates visual aversion via theta activity in Tachykinergic neurons. Nature communications, 14(1), 3987.

Chen N, et al. (2023) Widespread posttranscriptional regulation of cotransmission. Science advances, 9(22), eadg9836.

Landis JE, et al. (2023) RNAi of Complex I and V of the electron transport chain in glutamate neurons extends life span, increases sleep, and decreases locomotor activity in Drosophila melanogaster. PloS one, 18(6), e0286828.

Meiselman MR, et al. (2022) Recovery from cold-induced reproductive dormancy is regulated by temperature-dependent AstC signaling. Current biology : CB, 32(6), 1362.

Zhang L, et al. (2022) Nutrients and pheromones promote insulin release to inhibit courtship drive. Science advances, 8(10), eabl6121.

Jeong J, et al. (2021) Metabolic flux from the Krebs cycle to glutamate transmission tunes a neural brake on seizure onset. PLoS genetics, 17(10), e1009871.

Ni JD, et al. (2019) Differential regulation of the Drosophila sleep homeostat by circadian and arousal inputs. eLife, 8.

Chatterjee A, et al. (2018) Reconfiguration of a Multi-oscillator Network by Light in the Drosophila Circadian Clock. Current biology : CB, 28(13), 2007.

Xu W, et al. (2018) C9orf72 Dipeptide Repeats Cause Selective Neurodegeneration and Cell-Autonomous Excitotoxicity in Drosophila Glutamatergic Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(35), 7741.