

Resource Summary Report

Generated by [ASWG](#) on Aug 4, 2026

[w\[*\]; P{w\[+mC\]=Tdc2-GAL4.C}2](#)

RRID:BDSC_9313

Type: Organism

Proper Citation

RRID:BDSC_9313

Organism Information

URL: <https://n2t.net/bdsc:9313>

Proper Citation: RRID:BDSC_9313

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=Tdc2-GAL4.C}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Jay Hirsh, University of Virginia

Affected Gene: GAL4, Tdc2, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 9313

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_9313, BL9313

Organism Name: w[*]; P{w[+mC]=Tdc2-GAL4.C}2

Record Creation Time: 20240911T222223+0000

Record Last Update: 20260801T194707+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=Tdc2-GAL4.C}2.

No alerts have been found for w[*]; P{w[+mC]=Tdc2-GAL4.C}2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 92 mentions in open access literature.

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

Chaverra M, et al. (2026) Two classes of amine/glutamate multi-transmitter neurons innervate Drosophila internal male reproductive organs. eLife, 14.

Bakshinska D, et al. (2025) Synapse-specific catecholaminergic modulation of neuronal glutamate release. Proceedings of the National Academy of Sciences of the United States of America, 122(1), e2420496121.

Ding G, et al. (2025) A tumor-secreted protein utilizes glucagon release to cause host wasting. Cell discovery, 11(1), 11.

Nunez KM, et al. (2025) Hunger Recruits a Parallel Circuit Encoding Alcohol Reward. bioRxiv : the preprint server for biology.

Meng Z, et al. (2025) Neurexin regulates mechanical nociceptive sensitization by central inhibition in Drosophila. Science advances, 11(51), eadz9682.

Smithson LJ, et al. (2025) Axonal injury signaling is restrained by a spared synaptic branch. eLife, 13.

Mou Y, et al. (2025) Intermittent Vibration Induces Sleep via an Allatostatin A-GABA Signaling Pathway and Provides Broad Benefits in Alzheimer's Disease Models. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(5), e2411768.

Wu H, et al. (2025) Octopamine signaling regulates the intracellular pattern of the presynaptic active zone scaffold within Drosophila mushroom body neurons. PLoS biology, 23(10), e3003449.

Bervoets S, et al. (2025) dArc1 controls sugar reward valuation in Drosophila melanogaster. Current biology : CB, 35(17), 4188.

Fernandez-Acosta M, et al. (2025) Triggering and modulation of a complex behavior by a single peptidergic command neuron in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 122(11), e2420452122.

Bisen RS, et al. (2025) Nutritional state-dependent modulation of insulin-producing cells in Drosophila. eLife, 13.

Chaverra M, et al. (2025) Two classes of amine/glutamate multi-transmitter neurons innervate Drosophila internal male reproductive organs. *bioRxiv : the preprint server for biology*.

Warnecke C, et al. (2025) Re-exposure to reward re-evaluates related memories. *Current biology : CB*.

Kautzmann S, et al. (2025) Cholinergic and Glutamatergic Axons Differentially Require Glial Support in the Drosophila PNS. *Glia*, 73(7), 1365.

Held M, et al. (2025) Aminergic and peptidergic modulation of insulin-producing cells in Drosophila. *eLife*, 13.

Meimoun NS, et al. (2025) GABAergic neurons are a key cell type in a Drosophila model of PARK14/PLA2G6-associated neurodegeneration. *Frontiers in neuroscience*, 19, 1534243.

Hu J, et al. (2024) The gut microbiome promotes locomotion of Drosophila larvae via octopamine signaling. *Insect science*.

Lv M, et al. (2024) An octopamine-specific GRAB sensor reveals a monoamine relay circuitry that boosts aversive learning. *bioRxiv : the preprint server for biology*.

Yip C, et al. (2024) Neuronal E93 is required for adaptation to adult metabolism and behavior. *Molecular metabolism*, 84, 101939.

Babski H, et al. (2024) Octopaminergic descending neurons in Drosophila: Connectivity, tonic activity and relation to locomotion. *Heliyon*, 10(9), e29952.