

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

[y\[1\] w\[*\]; P{y\[+t7.7\] w\[+mC\]=lexAop-rCD2::RFP-p10.UAS-mCD8::GFP-p10}su\(Hw\)attP5/CyO; TM3, Sb\[1\]/TM6B, Tb\[1\]](#)

RRID:BDSC_67093

Type: Organism

Proper Citation

RRID:BDSC_67093

Organism Information

URL: <https://n2t.net/bdsc:67093>

Proper Citation: RRID:BDSC_67093

Description: Drosophila melanogaster with name y[1] w[*]; P{y[+t7.7] w[+mC]=lexAop-rCD2::RFP-p10.UAS-mCD8::GFP-p10}su(Hw)attP5/CyO; TM3, Sb[1]/TM6B, Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Tzumin Lee, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: Avic\GFP, Disc\RFP, lexAop, UAS, Sb, Tb, w, y

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 67093

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_67093, BL67093

Organism Name: y[1] w[*]; P{y[+t7.7] w[+mC]=lexAop-rCD2::RFP-p10.UAS-mCD8::GFP-p10}su(Hw)attP5/CyO; TM3, Sb[1]/TM6B, Tb[1]

Record Creation Time: 20240911T223026+0000

Record Last Update: 20260815T192328+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{y[+t7.7] w[+mC]=lexAop-rCD2::RFP-p10.UAS-mCD8::GFP-p10}su(Hw)attP5/CyO; TM3, Sb[1]/TM6B, Tb[1].

No alerts have been found for y[1] w[*]; P{y[+t7.7] w[+mC]=lexAop-rCD2::RFP-p10.UAS-mCD8::GFP-p10}su(Hw)attP5/CyO; TM3, Sb[1]/TM6B, Tb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Qin W, et al. (2026) Hugin-AstA circuitry is a novel central energy sensor that directly regulates sweet sensation in Drosophila and mouse. *eLife*, 14.

Gadau A, et al. (2026) Molecular evolution of CO₂-sensing ab1C neurons underlies divergent sensory responses in the Drosophila *suzukii* species group. *PLoS genetics*, 22(1), e1012024.

??zmen M, et al. (2026) Homotypic dendritic interactions constrain growth and receptor distribution in Drosophila T4 neurons without affecting orientation or function. *Development (Cambridge, England)*, 153(7).

Hemmi C, et al. (2026) Neuropeptidergic circuit modulation of developmental sleep in Drosophila. *eLife*, 14.

Li Z, et al. (2025) Repulsive interactions instruct synaptic partner matching in an olfactory circuit. *bioRxiv : the preprint server for biology*.

Lyu C, et al. (2025) Dimensionality reduction simplifies synaptic partner matching in an olfactory circuit. *Science (New York, N.Y.)*, 388(6746), 538.

Lyu C, et al. (2025) Rewiring an olfactory circuit by altering the combinatorial code of cell-surface proteins. *bioRxiv : the preprint server for biology*.

Avishai G, et al. (2025) Differential dopaminergic modulation of the antennal lobe of Drosophila *melanogaster*. *Communications biology*, 8(1), 1555.

Lyu C, et al. (2025) Rewiring an olfactory circuit by altering the combinatorial code of cell-surface proteins. *Research square*.

Jonaitis J, et al. (2025) Differential modulation of feedforward inhibition reflects topographic organization in the olfactory system. *Nature communications*, 16(1), 11165.

Samara E, et al. (2025) Columnar cholinergic neurotransmission onto T5 cells of *Drosophila*. *Current biology : CB*, 35(6), 1269.

Wang G, et al. (2025) Sexual failure decreases sweet taste perception in male *Drosophila* via dopaminergic signaling. *eLife*, 14.

Li Z, et al. (2025) Repulsive interactions instruct synaptic partner matching in an olfactory circuit. *Research square*.

Lee JW, et al. (2025) Microbiome-emitted scents activate olfactory neuron-independent airway-gut-brain axis to promote host growth in *Drosophila*. *Nature communications*, 16(1), 2199.

Rohrbach EW, et al. (2024) Expression and potential regulatory functions of *Drosophila* octopamine receptors in the female reproductive tract. *G3 (Bethesda, Md.)*, 14(3).

Dai X, et al. (2024) Four SpsP neurons are an integrating sleep regulation hub in *Drosophila*. *Science advances*, 10(47), eads0652.

Meschi E, et al. (2024) Compensatory enhancement of input maintains aversive dopaminergic reinforcement in hungry *Drosophila*. *Neuron*, 112(14), 2315.

Zhang N, et al. (2022) A pair of commissural command neurons induces *Drosophila* wing grooming. *iScience*, 25(2), 103792.

Guo D, et al. (2021) Cholecystokinin-like peptide mediates satiety by inhibiting sugar attraction. *PLoS genetics*, 17(8), e1009724.

Qi W, et al. (2021) A novel satiety sensor detects circulating glucose and suppresses food consumption via insulin-producing cells in *Drosophila*. *Cell research*, 31(5), 580.