# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 12, 2025

## y[1] w[*] P{y[+t7.7] w[+mC]=10XUAS-IVS-mCD8::RFP}attP18 P{y[+t7.7] w[+mC]=13XLexAop2-mCD8::GFP}su(Hw)attP8

RRID:BDSC_32229
Type: Organism

### Proper Citation

RRID:BDSC_32229

### Organism Information

**URL:** https://n2t.net/bdsc:32229

**Proper Citation:** RRID:BDSC_32229

**Description:** Drosophila melanogaster with name y[1] w[*] P{y[+t7.7] w[+mC]=10XUAS-IVS-mCD8::RFP}attP18 P{y[+t7.7] w[+mC]=13XLexAop2-mCD8::GFP}su(Hw)attP8 from BDSC.

**Species:** Drosophila melanogaster

**Notes:** Donor: Gerald M. Rubin & Barret Pfeiffer, Howard Hughes Medical Institute, Janelia Research Campus

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

**Genomic Alteration:** Chromosome 1

**Catalog Number:** 32229

**Database:** Bloomington Drosophila Stock Center (BDSC)

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC:32229, BL32229

**Organism Name:** y[1] w[*] P{y[+t7.7] w[+mC]=10XUAS-IVS-mCD8::RFP}attP18 P{y[+t7.7]

w[+mC]=13XLexAop2-mCD8::GFP}su(Hw)attP8

**Record Creation Time:** 20240911T222531+0000

**Record Last Update:** 20250331T211935+0000

## Ratings and Alerts

No rating or validation information has been found for y[1] w[*] P{y[+t7.7] w[+mC]=10XUAS-IVS-mCD8::RFP}attP18 P{y[+t7.7] w[+mC]=13XLexAop2-mCD8::GFP}su(Hw)attP8.

No alerts have been found for y[1] w[*] P{y[+t7.7] w[+mC]=10XUAS-IVS-mCD8::RFP}attP18 P{y[+t7.7] w[+mC]=13XLexAop2-mCD8::GFP}su(Hw)attP8.

## Data and Source Information

**Source:** Integrated Animals

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

## Usage and Citation Metrics

We found 38 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.

Schnaitmann C, et al. (2024) Horizontal-cell like Dm9 neurons in Drosophila modulate photoreceptor output to supply multiple functions in early visual processing. Frontiers in molecular neuroscience, 17, 1347540.

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

Park K, et al. (2024) Molecular and cellular organization of odorant binding protein genes in Drosophila. Heliyon, 10(9), e29358.

Cheong HSJ, et al. (2024) Organization of an ascending circuit that conveys flight motor state in Drosophila. Current biology : CB, 34(5), 1059.

Carrier Y, et al. (2024) Biased cell adhesion organizes the Drosophila visual motion integration circuit. Developmental cell.

Sun J, et al. (2024) A neurotrophin functioning with a Toll regulates structural plasticity in a dopaminergic circuit. eLife, 13.

Zhang X, et al. (2024) The astrocyte-enriched gene deathstar plays a crucial role in the development, locomotion, and lifespan of D. melanogaster. Fly, 18(1), 2368336.

Chen R, et al. (2023) Functional interactions between potassium-chloride cotransporter (KCC) and inward rectifier potassium (Kir) channels in the insect central nervous system. Pesticide biochemistry and physiology, 192, 105389.

Yan W, et al. (2023) Subtype-Specific Roles of Ellipsoid Body Ring Neurons in Sleep Regulation in Drosophila. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(5), 764.

Singh P, et al. (2023) Examining Sleep Modulation by Drosophila Ellipsoid Body Neurons. eNeuro, 10(9).

Mabuchi Y, et al. (2023) Visual feedback neurons fine-tune Drosophila male courtship via GABA-mediated inhibition. Current biology : CB, 33(18), 3896.

Nakamizo-Dojo M, et al. (2023) Descending GABAergic pathway links brain sugar-sensing to peripheral nociceptive gating in Drosophila. Nature communications, 14(1), 6515.

Sizemore TR, et al. (2023) Heterogeneous receptor expression underlies non-uniform peptidergic modulation of olfaction in Drosophila. Nature communications, 14(1), 5280.

Mohamed A, et al. (2023) Mushroom body output neurons MBON-a1/a2 define an odor intensity channel that regulates behavioral odor discrimination learning in larval Drosophila. Frontiers in physiology, 14, 1111244.

Guo L, et al. (2022) Descending neurons coordinate anterior grooming behavior in Drosophila. Current biology : CB, 32(4), 823.

Yao Z, et al. (2022) Serotonergic neurons translate taste detection into internal nutrient regulation. Neuron, 110(6), 1036.

Sun L, et al. (2022) Recurrent circadian circuitry regulates central brain activity to maintain sleep. Neuron, 110(13), 2139.

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

Hardcastle BJ, et al. (2021) A visual pathway for skylight polarization processing in Drosophila. eLife, 10.

Prelic S, et al. (2021) Functional Interaction Between Drosophila Olfactory Sensory Neurons and Their Support Cells. Frontiers in cellular neuroscience, 15, 789086.