

Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

[w\[*\]; P{y\[+t7.7\] w\[+mC\]=CoinFLP-LexA::GAD.GAL4}attP40 P{w\[+mC\]=lexAop-rCD2.RFP}2; P{w\[+mC\]=UAS-CD4-spGFP1-10}3, P{w\[+mC\]=lexAop-CD4-spGFP11}3/TM6C, Sb\[1\]](#)

RRID:BDSC_58755

Type: Organism

Proper Citation

RRID:BDSC_58755

Organism Information

URL: <https://n2t.net/bdsc:58755>

Proper Citation: RRID:BDSC_58755

Description: Drosophila melanogaster with name w[*]; P{y[+t7.7] w[+mC]=CoinFLP-LexA::GAD.GAL4}attP40 P{w[+mC]=lexAop-rCD2.RFP}2; P{w[+mC]=UAS-CD4-spGFP1-10}3, P{w[+mC]=lexAop-CD4-spGFP11}3/TM6C, Sb[1] from BDSC.

Species: Drosophila melanogaster

Notes: TM6C, Sb[1] may be present. Donor: Iswar Hariharan & Justin Bosch, University of California, Berkeley

Affected Gene: Act5C, FRT, GAL4, lexA::GAD, lexAop, spGFP11, Disc\RFP, spGFP1-10, UAS, Sb, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 58755

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_58755, BL58755

Organism Name: w[*]; P{y[+t7.7] w[+mC]=CoinFLP-LexA::GAD.GAL4}attP40
P{w[+mC]=lexAop-rCD2.RFP}2; P{w[+mC]=UAS-CD4-spGFP1-10}3, P{w[+mC]=lexAop-
CD4-spGFP11}3/TM6C, Sb[1]

Record Creation Time: 20240911T222906+0000

Record Last Update: 20260801T195600+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{y[+t7.7] w[+mC]=CoinFLP-LexA::GAD.GAL4}attP40 P{w[+mC]=lexAop-rCD2.RFP}2; P{w[+mC]=UAS-CD4-spGFP1-10}3, P{w[+mC]=lexAop-CD4-spGFP11}3/TM6C, Sb[1].

No alerts have been found for w[*]; P{y[+t7.7] w[+mC]=CoinFLP-LexA::GAD.GAL4}attP40 P{w[+mC]=lexAop-rCD2.RFP}2; P{w[+mC]=UAS-CD4-spGFP1-10}3, P{w[+mC]=lexAop-CD4-spGFP11}3/TM6C, Sb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Simon E, et al. (2025) Filopodia are essential for steroid release. Nature communications, 16(1), 5501.

Mollá-Albaladejo R, et al. (2025) Molecular characterization of gustatory second-order neurons reveals integrative mechanisms of gustatory and metabolic information. eLife, 13.

Yoshinari Y, et al. (2024) A high-protein diet-responsive gut hormone regulates behavioral and metabolic optimization in Drosophila melanogaster. Nature communications, 15(1), 10819.

Calvin-Cejudo L, et al. (2023) Neuron-glia interaction at the receptor level affects olfactory perception in adult Drosophila. iScience, 26(1), 105837.

Kurogi Y, et al. (2023) Female reproductive dormancy in Drosophila is regulated by DH31-producing neurons projecting into the corpus allatum. Development (Cambridge, England), 150(10).

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

- Yu J, et al. (2023) A dedicate sensorimotor circuit enables fine texture discrimination by active touch. *PLoS genetics*, 19(1), e1010562.
- Deshpande SA, et al. (2022) Regulation of *Drosophila* oviduct muscle contractility by octopamine. *iScience*, 25(8), 104697.
- Guo L, et al. (2022) Descending neurons coordinate anterior grooming behavior in *Drosophila*. *Current biology : CB*, 32(4), 823.
- Sun L, et al. (2022) Recurrent circadian circuitry regulates central brain activity to maintain sleep. *Neuron*, 110(13), 2139.
- Tomita J, et al. (2021) Protocerebral Bridge Neurons That Regulate Sleep in *Drosophila melanogaster*. *Frontiers in neuroscience*, 15, 647117.
- Hsu JM, et al. (2021) Injury-Induced Inhibition of Bystander Neurons Requires dSarm and Signaling from Glia. *Neuron*, 109(3), 473.
- Pogodalla N, et al. (2021) *Drosophila* β Heavy-Spectrin is required in polarized ensheathing glia that form a diffusion-barrier around the neuropil. *Nature communications*, 12(1), 6357.
- Yang S, et al. (2021) Competitive coordination of the dual roles of the Hedgehog co-receptor in homophilic adhesion and signal reception. *eLife*, 10.
- Nojima T, et al. (2021) A sex-specific switch between visual and olfactory inputs underlies adaptive sex differences in behavior. *Current biology : CB*, 31(6), 1175.
- Lee SH, et al. (2021) Metabolic control of daily locomotor activity mediated by tachykinin in *Drosophila*. *Communications biology*, 4(1), 693.
- Popkova A, et al. (2020) A Cdc42-mediated supracellular network drives polarized forces and *Drosophila* egg chamber extension. *Nature communications*, 11(1), 1921.
- Imura E, et al. (2020) The Corazonin-PTTH Neuronal Axis Controls Systemic Body Growth by Regulating Basal Ecdysteroid Biosynthesis in *Drosophila melanogaster*. *Current biology : CB*, 30(11), 2156.
- Feng K, et al. (2020) Distributed control of motor circuits for backward walking in *Drosophila*. *Nature communications*, 11(1), 6166.
- Ganguly A, et al. (2020) Serotonin receptor 5-HT7 in *Drosophila* mushroom body neurons mediates larval appetitive olfactory learning. *Scientific reports*, 10(1), 21267.