

# Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=8XLexAop2-FLPL}attP2](#)

RRID:BDSC\_55819

Type: Organism

## Proper Citation

RRID:BDSC\_55819

## Organism Information

**URL:** <https://n2t.net/bdsc:55819>

**Proper Citation:** RRID:BDSC\_55819

**Description:** Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=8XLexAop2-FLPL}attP2 from BDSC.

**Species:** Drosophila melanogaster

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

**Affected Gene:** FLPL, lexAop, w

**Genomic Alteration:** Chromosome 1, Chromosome 3

**Catalog Number:** 55819

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

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC\_55819, BL55819

**Organism Name:** w[1118]; P{y[+t7.7] w[+mC]=8XLexAop2-FLPL}attP2

**Record Creation Time:** 20240911T222838+0000

**Record Last Update:** 20260725T195632+0000

## Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=8XLexAop2-FLPL}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=8XLexAop2-FLPL}attP2.

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## Data and Source Information

**Source:** [Integrated Animals](#)

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

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## Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Okamoto N, et al. (2026) Neuroendocrine control of calcium mobilization in the fruit fly. Nature, 649(8095), 122.

Jiang R, et al. (2025) Regulation of pre-dawn arousal in Drosophila by a pair of trissinergic descending neurons of the visual and circadian networks. Current biology : CB, 35(8), 1750.

Yoshikawa S, et al. (2024) Mechanosensory and command contributions to the Drosophila grooming sequence. Current biology : CB, 34(10), 2066.

Maurya D, et al. (2024) Transient caspase-mediated activation of caspase-activated DNase causes DNA damage required for phagocytic macrophage differentiation. Cell reports, 43(5), 114251.

Jiang X, et al. (2024) Sex-Specific and State-Dependent Neuromodulation Regulates Male and Female Locomotion and Sexual Behaviors. Research (Washington, D.C.), 7, 0321.

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

Rey S, et al. (2023) Glial-dependent clustering of voltage-gated ion channels in Drosophila precedes myelin formation. eLife, 12.

Li K, et al. (2023) Belly roll, a GPI-anchored Ly6 protein, regulates Drosophila melanogaster escape behaviors by modulating the excitability of nociceptive peptidergic interneurons. eLife, 12.

Yoshikawa S, et al. (2023) Mechanosensory and command contributions to the Drosophila grooming sequence. bioRxiv : the preprint server for biology.

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

Worley MJ, et al. (2022) Ets21C sustains a pro-regenerative transcriptional program in blastema cells of *Drosophila* imaginal discs. *Current biology : CB*, 32(15), 3350.

Heredia F, et al. (2021) The steroid-hormone ecdysone coordinates parallel pupariation neuromotor and morphogenetic subprograms via epidermis-to-neuron Dilp8-Lgr3 signal induction. *Nature communications*, 12(1), 3328.

Thornquist SC, et al. (2021) Biochemical evidence accumulates across neurons to drive a network-level eruption. *Molecular cell*, 81(4), 675.

Jin X, et al. (2021) A subset of DN1p neurons integrates thermosensory inputs to promote wakefulness via CNMa signaling. *Current biology : CB*, 31(10), 2075.

Wang P, et al. (2020) Visceral Mechano-sensing Neurons Control *Drosophila* Feeding by Using Piezo as a Sensor. *Neuron*, 108(4), 640.

Masuzzo A, et al. (2019) Peptidoglycan-dependent NF- $\kappa$ B activation in a small subset of brain octopaminergic neurons controls female oviposition. *eLife*, 8.

Portela M, et al. (2019) Glioblastoma cells vampirize WNT from neurons and trigger a JNK/MMP signaling loop that enhances glioblastoma progression and neurodegeneration. *PLoS biology*, 17(12), e3000545.

Stern U, et al. (2019) Learning a Spatial Task by Trial and Error in *Drosophila*. *Current biology : CB*, 29(15), 2517.

Deutsch D, et al. (2019) Shared Song Detector Neurons in *Drosophila* Male and Female Brains Drive Sex-Specific Behaviors. *Current biology : CB*, 29(19), 3200.