

Resource Summary Report

Generated by [dkNET](#) on Sep 19, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=13XLexAop2-IVS-GCaMP6s-p10}su\(Hw\)attP1](#)

RRID:BDSC_44274

Type: Organism

Proper Citation

RRID:BDSC_44274

Organism Information

URL: <https://n2t.net/bdsc:44274>

Proper Citation: RRID:BDSC_44274

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6s-p10}su(Hw)attP1 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Douglas Kim & GENIE Project, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: GCaMP6s, lexAop, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 44274

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_44274, BDSC:44274, BL44274

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6s-p10}su(Hw)attP1

Record Creation Time: 20240911T222721+

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6s-p10}su(Hw)attP1.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6s-p10}su(Hw)attP1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

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.

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*.

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

Liang X, et al. (2023) Polyphasic circadian neural circuits drive differential activities in multiple downstream rhythmic centers. *Current biology : CB*, 33(2), 351.

Zeng J, et al. (2023) Local 5-HT signaling bi-directionally regulates the coincidence time window for associative learning. *Neuron*, 111(7), 1118.

Elliott AD, et al. (2021) Pupal behavior emerges from unstructured muscle activity in response to neuromodulation in Drosophila. *eLife*, 10.

Deutsch D, et al. (2020) The neural basis for a persistent internal state in Drosophila females. *eLife*, 9.

Liang X, et al. (2019) Morning and Evening Circadian Pacemakers Independently Drive Premotor Centers via a Specific Dopamine Relay. *Neuron*, 102(4), 843.

Liang X, et al. (2017) A Series of Suppressive Signals within the Drosophila Circadian Neural Circuit Generates