

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 3, 2026

w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6s-SV40}su(Hw)attP1

RRID:BDSC_44273

Type: Organism

Proper Citation

RRID:BDSC_44273

Organism Information

URL: <https://n2t.net/bdsc:44273>

Proper Citation: RRID:BDSC_44273

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6s-SV40}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: 44273

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_44273, BL44273

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6s-SV40}su(Hw)attP1

Record Creation Time: 20240911T222721+0000

Record Last Update: 20260801T195341+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6s-SV40}su(Hw)attP1.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=13XLexAop2-IVS-GCaMP6s-SV40}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 [SPARC SAWG](#) .

Yoshino J, et al. (2025) Drosophila epidermal cells are intrinsically mechanosensitive and modulate nociceptive behavioral outputs. eLife, 13.

Yoshino J, et al. (2025) Heat-off responses of epidermal cells sensitize Drosophila larvae to noxious inputs. bioRxiv : the preprint server for biology.

Luedke KP, et al. (2024) Dendrite intercalation between epidermal cells tunes nociceptor sensitivity to mechanical stimuli in Drosophila larvae. PLoS genetics, 20(4), e1011237.

Duan W, et al. (2023) A Visual Pathway into Central Complex for High-Frequency Motion-Defined Bars in Drosophila. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(26), 4821.

Wang J, et al. (2022) Drosophila Larval Light-Avoidance is Negatively Regulated by Temperature Through Two Pairs of Central Brain Neurons. Neuroscience bulletin, 38(2), 200.

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

Oh Y, et al. (2021) Periphery signals generated by Piezo-mediated stomach stretch and Neuromedin-mediated glucose load regulate the Drosophila brain nutrient sensor. Neuron, 109(12), 1979.

Zhao W, et al. (2019) A disinhibitory mechanism biases Drosophila innate light preference. Nature communications, 10(1), 124.

Lamaze A, et al. (2018) A Wake-Promoting Circadian Output Circuit in Drosophila. Current biology : CB, 28(19), 3098.