

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=20XUAS-IVS-GCaMP6s}attP40](#)

RRID:BDSC_42746

Type: Organism

Proper Citation

RRID:BDSC_42746

Organism Information

URL: <https://n2t.net/bdsc:42746>

Proper Citation: RRID:BDSC_42746

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=20XUAS-IVS-GCaMP6s}attP40 from BDSC.

Species: Drosophila melanogaster

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

Affected Gene: GCaMP6s, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 42746

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_42746, BDSC:42746, BL42746

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=20XUAS-IVS-GCaMP6s}attP40

Record Creation Time: 20240911T222706+0000

Record Last Update: 20260905T140534+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=20XUAS-IVS-GCaMP6s}attP40.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=20XUAS-IVS-GCaMP6s}attP40.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 72 mentions in open access literature.

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

Ryba A, et al. (2026) Strain variation identifies a neural substrate for behavioral evolution in Drosophila. Current biology : CB, 36(5), 1247.

Sava? D, et al. (2026) Feeding decision-making by a single neuron via disparate neurotransmitters. Nature communications, 17(1).

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

Zhao Y, et al. (2025) Piezo, Nephrocyte Function, and Slit Diaphragm Maintenance in Drosophila. Journal of the American Society of Nephrology : JASN, 36(3), 393.

Wei H, et al. (2025) Odors drive feeding through gustatory receptor neurons in Drosophila. eLife, 13.

Zheng F, et al. (2025) Role of d-serine in intestinal ROS accumulation after sleep deprivation. Science advances, 11(29), eadr8592.

Meng Z, et al. (2025) Neurexin regulates mechanical nociceptive sensitization by central inhibition in Drosophila. Science advances, 11(51), eadz9682.

Ryba A, et al. (2025) Strain variation identifies a neural substrate for behavioral evolution in Drosophila. bioRxiv : the preprint server for biology.

Li J, et al. (2025) Functional imaging and connectome analyses reveal organizing principles of taste circuits in Drosophila. Current biology : CB, 35(10), 2391.

Dürr BR, et al. (2025) Olfactory projection neuron rewiring in the brain of an ecological specialist. Cell reports, 44(5), 115615.

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

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

Brand P, et al. (2025) Ecological cues orchestrate concerted courtship in a *Drosophila* host specialist. *bioRxiv* : the preprint server for biology.

Tian Y, et al. (2025) Temperature-dependent modulation of light-induced circadian responses in *Drosophila melanogaster*. *The EMBO journal*, 44(16), 4552.

Philyaw TJ, et al. (2025) Bitter Sensing Protects *Drosophila* from Developing Experience-Dependent Cocaine Consumption Preference. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(27).

Coleman RT, et al. (2024) A modular circuit coordinates the diversification of courtship strategies. *Nature*, 635(8037), 142.

Delescluse J, et al. (2024) A LAT1-Like Amino Acid Transporter Regulates Neuronal Activity in the *Drosophila* Mushroom Bodies. *Cells*, 13(16).

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.

Penfield L, et al. (2023) Nuclear lamin facilitates collective border cell invasion into confined spaces in vivo. *The Journal of cell biology*, 222(11).

Gong J, et al. (2023) TrpA1 is a shear stress mechanosensing channel regulating intestinal stem cell proliferation in *Drosophila*. *Science advances*, 9(21), eadc9660.