Resource Summary Report

Generated by kravitz2 on Jul 30, 2026

w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6f}VK00005

RRID:BDSC_52869
Type: Organism

Proper Citation

RRID:BDSC_52869

Organism Information

URL: https://n2t.net/bdsc:52869

Proper Citation: RRID:BDSC_52869

Description: Drosophila melanogaster with name w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6f}VK00005 from BDSC.

Species: Drosophila melanogaster

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

Affected Gene: GCaMP6f, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 52869

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_52869, BL52869

Organism Name: w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6f}VK00005

Record Creation Time: 20240911T222809+0000

Record Last Update: 20260725T195559+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6f}VK00005.

No alerts have been found for w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6f}VK00005.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 36 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Manoim-Wolkovitz JE, et al. (2025) Nonlinear high-activity neuronal excitation enhances odor discrimination. Current biology : CB, 35(7), 1521.

Guillemin J, et al. (2025) Amino acids activate parallel chemosensory pathways in Drosophila. Chemical senses, 50.

Rachad EY, et al. (2025) Functional dissection of a neuronal brain circuit mediating higher-order associative learning. Cell reports, 44(5), 115593.

Avishai G, et al. (2025) Differential dopaminergic modulation of the antennal lobe of Drosophila melanogaster. Communications biology, 8(1), 1555.

Kim HS, et al. (2025) Divergent synaptic dynamics originate parallel pathways for computation and behavior in an olfactory circuit. Current biology : CB, 35(13), 3146.

Arntsen C, et al. (2025) Artificial sweeteners differentially activate sweet and bitter gustatory neurons in Drosophila. Scientific reports, 15(1), 20785.

Keesey IW, et al. (2025) Neuroecology of alcohol risk and reward: Methanol boosts pheromones and courtship success in Drosophila melanogaster. Science advances, 11(14), eadi9683.

Donovan EJ, et al. (2024) Dendrite architecture determines mitochondrial distribution patterns in vivo. Cell reports, 43(5), 114190.

Christenson MP, et al. (2024) Hue selectivity from recurrent circuitry in Drosophila. Nature neuroscience, 27(6), 1137.

Guillemin J, et al. (2024) Taste cells expressing Ionotropic Receptor 94e reciprocally impact feeding and egg laying in Drosophila. Cell reports, 43(8), 114625.

Frighetto G, et al. (2023) Columnar neurons support saccadic bar tracking in Drosophila. eLife, 12.

Rozenfeld E, et al. (2023) Homeostatic synaptic plasticity rescues neural coding reliability. Nature communications, 14(1), 2993.

Hancock CE, et al. (2022) Visualization of learning-induced synaptic plasticity in output neurons of the Drosophila mushroom body ?-lobe. Scientific reports, 12(1), 10421.

Hobin M, et al. (2022) The Drosophila microRNA bantam regulates excitability in adult mushroom body output neurons to promote early night sleep. iScience, 25(9), 104874.

Chen N, et al. (2022) Local translation provides the asymmetric distribution of CaMKII required for associative memory formation. Current biology : CB, 32(12), 2730.

Manoim JE, et al. (2022) Lateral axonal modulation is required for stimulus-specific olfactory conditioning in Drosophila. Current biology : CB, 32(20), 4438.

McDowell SAT, et al. (2022) A molecular mechanism for high salt taste in Drosophila. Current biology : CB, 32(14), 3070.

Israel S, et al. (2022) Olfactory stimuli and moonwalker SEZ neurons can drive backward locomotion in Drosophila. Current biology : CB, 32(5), 1131.

Buhl E, et al. (2021) Thermoresponsive motor behavior is mediated by ring neuron circuits in the central complex of Drosophila. Scientific reports, 11(1), 155.

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.