Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 7, 2025

w[1118]; P{y[+t7.7] w[+mC]=20XUAS-IVS-GCaMP6f}attP40

RRID:BDSC_42747
Type: Organism

Proper Citation

RRID:BDSC_42747

Organism Information

URL: https://n2t.net/bdsc:42747

Proper Citation: RRID:BDSC_42747

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=20XUAS-IVS-GCaMP6f}attP40 from BDSC.

Species: Drosophila melanogaster

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

Affected Gene: GCaMP6f, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 42747

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC:42747, BL42747

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=20XUAS-IVS-GCaMP6f}attP40

Record Creation Time: 20240911T222706+0000

Record Last Update: 20250331T212446+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=20XUAS-IVS-GCaMP6f}attP40.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=20XUAS-IVS-GCaMP6f}attP40.

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 77 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

David SB, et al. (2024) Formation of recurring transient Ca2+-based intercellular communities during Drosophila hematopoiesis. Proceedings of the National Academy of Sciences of the United States of America, 121(16), e2318155121.

Rozenfeld E, et al. (2024) Neuronal circuit mechanisms of competitive interaction between action-based and coincidence learning. Science advances, 10(49), eadq3016.

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

Mano O, et al. (2023) Long-timescale anti-directional rotation in Drosophila optomotor behavior. eLife, 12.

Ho KYL, et al. (2023) Maintenance of hematopoietic stem cell niche homeostasis requires gap junction-mediated calcium signaling. Proceedings of the National Academy of Sciences of the United States of America, 120(45), e2303018120.

Calvin-Cejudo L, et al. (2023) Neuron-glia interaction at the receptor level affects olfactory perception in adult Drosophila. iScience, 26(1), 105837.

Pardo-Garcia TR, et al. (2023) Food memory circuits regulate eating and energy balance. Current biology : CB, 33(2), 215.

Aimon S, et al. (2023) Global change in brain state during spontaneous and forced walk in Drosophila is composed of combined activity patterns of different neuron classes. eLife, 12.

Prelic S, et al. (2023) Modulation of the NO-cGMP pathway has no effect on olfactory responses in the Drosophila antenna. Frontiers in cellular neuroscience, 17, 1180798.

Townsend LN, et al. (2023) Cdk12 maintains the integrity of adult axons by suppressing actin remodeling. Cell death discovery, 9(1), 348.

Kato A, et al. (2023) Dopaminergic neurons dynamically update sensory values during olfactory maneuver. Cell reports, 42(10), 113122.

Sizemore TR, et al. (2023) Heterogeneous receptor expression underlies non-uniform peptidergic modulation of olfaction in Drosophila. Nature communications, 14(1), 5280.

Deere JU, et al. (2023) Selective integration of diverse taste inputs within a single taste modality. eLife, 12.

Taisz I, et al. (2023) Generating parallel representations of position and identity in the olfactory system. Cell, 186(12), 2556.

Maddison DC, et al. (2023) COPI-regulated mitochondria-ER contact site formation maintains axonal integrity. Cell reports, 42(8), 112883.

Ammer G, et al. (2022) Anatomical distribution and functional roles of electrical synapses in Drosophila. Current biology : CB, 32(9), 2022.

Deere JU, et al. (2022) Taste cues elicit prolonged modulation of feeding behavior in Drosophila. iScience, 25(10), 105159.

Zhang X, et al. (2022) Active forgetting requires Sickie function in a dedicated dopamine circuit in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 119(38), e2204229119.

Martinez-Cervantes J, et al. (2022) Higher-order unimodal olfactory sensory preconditioning in Drosophila. eLife, 11.

Ketkar MD, et al. (2022) First-order visual interneurons distribute distinct contrast and luminance information across ON and OFF pathways to achieve stable behavior. eLife, 11.