

# Resource Summary Report

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## w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6m}VK00005

RRID:BDSC\_42750

Type: Organism

### Proper Citation

RRID:BDSC\_42750

### Organism Information

**URL:** <https://n2t.net/bdsc:42750>

**Proper Citation:** RRID:BDSC\_42750

**Description:** Drosophila melanogaster with name w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6m}VK00005 from BDSC.

**Species:** Drosophila melanogaster

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

**Affected Gene:** GCaMP6m, UAS, w

**Genomic Alteration:** Chromosome 1, Chromosome 3

**Catalog Number:** 42750

**Database:** Bloomington Drosophila Stock Center (BDSC)

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC:42750, BL42750

**Organism Name:** w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6m}VK00005

**Record Creation Time:** 20240911T222706+0000

## Ratings and Alerts

No rating or validation information has been found for w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6m}VK00005.

No alerts have been found for w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-GCaMP6m}VK00005.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

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## Usage and Citation Metrics

We found 24 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Schulz K, et al. (2024) Piezo activity levels need to be tightly regulated to maintain normal morphology and function in pericardial nephrocytes. Scientific reports, 14(1), 28254.

Hao H, et al. (2023) Wolfram syndrome 1 regulates sleep in dopamine receptor neurons by modulating calcium homeostasis. PLoS genetics, 19(7), e1010827.

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.

Shen P, et al. (2023) Neural circuit mechanisms linking courtship and reward in Drosophila males. Current biology : CB, 33(10), 2034.

Xiao N, et al. (2023) A single photoreceptor splits perception and entrainment by cotransmission. Nature, 623(7987), 562.

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.

Lyu C, et al. (2022) Building an allocentric travelling direction signal via vector computation. Nature, 601(7891), 92.

Zeng X, et al. (2021) An electrically coupled pioneer circuit enables motor development via proprioceptive feedback in *Drosophila* embryos. *Current biology : CB*, 31(23), 5327.

Hernandez-Nunez L, et al. (2021) Synchronous and opponent thermosensors use flexible cross-inhibition to orchestrate thermal homeostasis. *Science advances*, 7(35).

Barber AF, et al. (2021) *Drosophila* clock cells use multiple mechanisms to transmit time-of-day signals in the brain. *Proceedings of the National Academy of Sciences of the United States of America*, 118(10).

Prisco L, et al. (2021) The anterior paired lateral neuron normalizes odour-evoked activity in the *Drosophila* mushroom body calyx. *eLife*, 10.

Duhart JM, et al. (2020) Modulation of sleep-courtship balance by nutritional status in *Drosophila*. *eLife*, 9.

Scaplen KM, et al. (2020) Circuits that encode and guide alcohol-associated preference. *eLife*, 9.

Sharma A, et al. (2020) Modulation of flight and feeding behaviours requires presynaptic IP3Rs in dopaminergic neurons. *eLife*, 9.

Armitage EL, et al. (2020) Overexposure to apoptosis via disrupted glial specification perturbs *Drosophila* macrophage function and reveals roles of the CNS during injury. *Cell death & disease*, 11(8), 627.

Xiao G, et al. (2019) Transferrin 1 Functions in Iron Trafficking and Genetically Interacts with Ferritin in *Drosophila melanogaster*. *Cell reports*, 26(3), 748.

Zhou Y, et al. (2019) Mechanosensory circuits coordinate two opposing motor actions in *Drosophila* feeding. *Science advances*, 5(5), eaaw5141.

Constance WD, et al. (2018) Neurexin and Neuroligin-based adhesion complexes drive axonal arborisation growth independent of synaptic activity. *eLife*, 7.

Liu Y, et al. (2018) Inflammation-Induced, STING-Dependent Autophagy Restricts Zika Virus Infection in the *Drosophila* Brain. *Cell host & microbe*, 24(1), 57.

Yamada D, et al. (2018) GABAergic Local Interneurons Shape Female Fruit Fly Response to Mating Songs. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(18), 4329.