

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 11, 2026

[w\[1118\]; PBac{y\[+mDint2\] w\[+mC\]=20XUAS-IVS-jGCaMP7c}VK00005](#)

RRID:BDSC_79030

Type: Organism

Proper Citation

RRID:BDSC_79030

Organism Information

URL: <https://n2t.net/bdsc:79030>

Proper Citation: RRID:BDSC_79030

Description: Drosophila melanogaster with name w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-jGCaMP7c}VK00005 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Yi Sun & Douglas Kim, Howard Hughes Medical Institute, Janelia Research Campus; Donor's Source: GENIE Project, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: jGCaMP7c, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 79030

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_79030, BL79030

Organism Name: w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-jGCaMP7c}VK00005

Record Creation Time: 20240911T223218+0000

Record Last Update: 20260808T195554+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-jGCaMP7c}VK00005.

No alerts have been found for w[1118]; PBac{y[+mDint2] w[+mC]=20XUAS-IVS-jGCaMP7c}VK00005.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Lee JW, et al. (2025) Microbiome-emitted scents activate olfactory neuron-independent airway-gut-brain axis to promote host growth in Drosophila. Nature communications, 16(1), 2199.

Sarker SR, et al. (2025) Harnessing Dye-Induced Local Heating in Lipid Membranes: A Path to Near-Infrared Light-Modulated Artificial Synaptic Vesicles. ACS nano, 19(31), 28768.

Carmignani A, et al. (2025) Cellular Activity Modulation Mediated by Near Infrared-Irradiated Polydopamine Nanoparticles: In Vitro and Ex Vivo Investigation. ACS nano, 19(17), 16267.

Petsakou A, et al. (2023) Epithelial Ca²⁺ waves triggered by enteric neurons heal the gut. bioRxiv : the preprint server for biology.

Petsakou A, et al. (2023) Cholinergic neurons trigger epithelial Ca²⁺ currents to heal the gut. Nature, 623(7985), 122.