

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

[w\[1118\] P{y\[+t7.7\] w\[+mC\]=R57C10-FLPG5}su\(Hw\)attP8; PBac{y\[+mDint2\] w\[+mC\]=10xUAS\(FRT.stop\)myr::smGdP-HA}VK00005 P{y\[+t7.7\] w\[+mC\]=10xUAS\(FRT.stop\)myr::smGdP-V5-THS-10xUAS\(FRT.stop\)myr::smGdP-FLAG}su\(Hw\)attP1](#)

RRID:BDSC_64088

Type: Organism

Proper Citation

RRID:BDSC_64088

Organism Information

URL: <https://n2t.net/bdsc:64088>

Proper Citation: RRID:BDSC_64088

Description: Drosophila melanogaster with name w[1118] P{y[+t7.7] w[+mC]=R57C10-FLPG5}su(Hw)attP8; PBac{y[+mDint2] w[+mC]=10xUAS(FRT.stop)myr::smGdP-HA}VK00005 P{y[+t7.7] w[+mC]=10xUAS(FRT.stop)myr::smGdP-V5-THS-10xUAS(FRT.stop)myr::smGdP-FLAG}su(Hw)attP1 from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating TM2. Donor: Barret Pfeiffer, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: FRT, Tag:HA, UAS, Tag:FLAG, Tag:V5, FLPG5, nSyb, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 64088

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_64088, BL64088

Organism Name: w[1118] P{y[+t7.7] w[+mC]=R57C10-FLPG5}su(Hw)attP8; PBac{y[+mDint2] w[+mC]=10xUAS(FRT.stop)myr::smGdP-HA}VK00005 P{y[+t7.7] w[+mC]=10xUAS(FRT.stop)myr::smGdP-V5-THS-10xUAS(FRT.stop)myr::smGdP-FLAG}su(Hw)attP1

Record Creation Time: 20240911T222957+0000

Record Last Update: 20260808T195301+0000

Ratings and Alerts

No rating or validation information has been found for w[1118] P{y[+t7.7] w[+mC]=R57C10-FLPG5}su(Hw)attP8; PBac{y[+mDint2] w[+mC]=10xUAS(FRT.stop)myr::smGdP-HA}VK00005 P{y[+t7.7] w[+mC]=10xUAS(FRT.stop)myr::smGdP-V5-THS-10xUAS(FRT.stop)myr::smGdP-FLAG}su(Hw)attP1.

No alerts have been found for w[1118] P{y[+t7.7] w[+mC]=R57C10-FLPG5}su(Hw)attP8; PBac{y[+mDint2] w[+mC]=10xUAS(FRT.stop)myr::smGdP-HA}VK00005 P{y[+t7.7] w[+mC]=10xUAS(FRT.stop)myr::smGdP-V5-THS-10xUAS(FRT.stop)myr::smGdP-FLAG}su(Hw)attP1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Date T, et al. (2026) Tonically active interneurons gate motor output in Drosophila larvae. bioRxiv : the preprint server for biology.

Meissner GW, et al. (2025) A split-GAL4 driver line resource for Drosophila neuron types. eLife, 13.

Wu G, et al. (2024) Opposing GPCR signaling programs protein intake setpoint in Drosophila. Cell, 187(19), 5376.

Westeinde EA, et al. (2024) Transforming a head direction signal into a goal-oriented steering command. Nature, 626(8000), 819.

Lapraz F, et al. (2023) Asymmetric activity of NetrinB controls laterality of the Drosophila brain. Nature communications, 14(1), 1052.

Liu Y, et al. (2023) Synchronous multi-segmental activity between metachronal waves controls locomotion speed in *Drosophila* larvae. *eLife*, 12.

Laturney M, et al. (2023) Mating activates neuroendocrine pathways signaling hunger in *Drosophila* females. *eLife*, 12.

Barth-Maron A, et al. (2023) Interactions between specialized gain control mechanisms in olfactory processing. *Current biology : CB*, 33(23), 5109.

Meissner GW, et al. (2023) A searchable image resource of *Drosophila* GAL4 driver expression patterns with single neuron resolution. *eLife*, 12.

Lu J, et al. (2022) Transforming representations of movement from body- to world-centric space. *Nature*, 601(7891), 98.

Hardcastle BJ, et al. (2021) A visual pathway for skylight polarization processing in *Drosophila*. *eLife*, 10.

Okubo TS, et al. (2020) A Neural Network for Wind-Guided Compass Navigation. *Neuron*, 107(5), 924.

Wei H, et al. (2020) The diversity of lobula plate tangential cells (LPTCs) in the *Drosophila* motion vision system. *Journal of comparative physiology. A, Neuroethology, sensory, neural, and behavioral physiology*, 206(2), 139.

Shiozaki HM, et al. (2020) A Multi-regional Network Encoding Heading and Steering Maneuvers in *Drosophila*. *Neuron*, 106(1), 126.

Green J, et al. (2019) A neural heading estimate is compared with an internal goal to guide oriented navigation. *Nature neuroscience*, 22(9), 1460.

Deutsch D, et al. (2019) Shared Song Detector Neurons in *Drosophila* Male and Female Brains Drive Sex-Specific Behaviors. *Current biology : CB*, 29(19), 3200.