

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 7, 2026

[y\[1\] w\[*\]; wg\[Sp-1\]/CyO, P{w\[+mC\]=Dfd-EYFP}2;
P{y\[+t7.7\] w\[+mC\]=20XUAS-post-t-GRASP}attP2
PBac{y\[+mDint2\] w\[+mC\]=13XLexAop2-pre-t-
GRASP}VK00027/TM6C, Sb\[1\] Tb\[1\]](#)

RRID:BDSC_79039

Type: Organism

Proper Citation

RRID:BDSC_79039

Organism Information

URL: <https://n2t.net/bdsc:79039>

Proper Citation: RRID:BDSC_79039

Description: Drosophila melanogaster with name y[1] w[*]; wg[Sp-1]/CyO, P{w[+mC]=Dfd-EYFP}2; P{y[+t7.7] w[+mC]=20XUAS-post-t-GRASP}attP2 PBac{y[+mDint2] w[+mC]=13XLexAop2-pre-t-GRASP}VK00027/TM6C, Sb[1] Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Homozygotes may be present. Used for the t-GRASP technique for assessing neuronal connectivity. Donor: Steve Stowers, Montana State University

Affected Gene: cac, lexAop, spGFP11, Mmus\Icam5, spGFP1-10, UAS, Avic\GFP, Dfd, Sb, speck, Tb, w, y

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 79039

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_79039, BL79039

Organism Name: y[1] w[*]; wg[Sp-1]/CyO, P{w[+mC]=Dfd-EYFP}2; P{y[+t7.7] w[+mC]=20XUAS-post-t-GRASP}attP2 PBac{y[+mDint2] w[+mC]=13XLexAop2-pre-t-GRASP}VK00027/TM6C, Sb[1] Tb[1]

Record Creation Time: 20240911T223218+0000

Record Last Update: 20260801T200026+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; wg[Sp-1]/CyO, P{w[+mC]=Dfd-EYFP}2; P{y[+t7.7] w[+mC]=20XUAS-post-t-GRASP}attP2 PBac{y[+mDint2] w[+mC]=13XLexAop2-pre-t-GRASP}VK00027/TM6C, Sb[1] Tb[1].

No alerts have been found for y[1] w[*]; wg[Sp-1]/CyO, P{w[+mC]=Dfd-EYFP}2; P{y[+t7.7] w[+mC]=20XUAS-post-t-GRASP}attP2 PBac{y[+mDint2] w[+mC]=13XLexAop2-pre-t-GRASP}VK00027/TM6C, Sb[1] Tb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Markovitsch JW, et al. (2026) Sequential formation of Drosophila circuit asymmetry via prolonged structural plasticity. *Science advances*, 12(13), eaea6020.

Zhang T, et al. (2025) Neuropeptide-mediated synaptic plasticity regulates context-dependent mating behaviors in Drosophila. *PLoS biology*, 23(9), e3003330.

Zhang T, et al. (2025) SIFamide-dependent synaptic plasticity in male-specific GABAergic neurons underlies experience-modulated mating behaviors. *iScience*, 28(10), 113516.

Yoshikawa S, et al. (2024) Mechanosensory and command contributions to the Drosophila grooming sequence. *Current biology : CB*, 34(10), 2066.

Yoshikawa S, et al. (2023) Mechanosensory and command contributions to the Drosophila grooming sequence. *bioRxiv : the preprint server for biology*.

Sorka?? A, et al. (2022) Circuit analysis reveals a neural pathway for light avoidance in Drosophila larvae. *Nature communications*, 13(1), 5274.

Lee K, et al. (2021) A locomotor neural circuit persists and functions similarly in larvae and adult Drosophila. *eLife*, 10.

Sun Y, et al. (2020) Social attraction in *Drosophila* is regulated by the mushroom body and serotonergic system. *Nature communications*, 11(1), 5350.

Tanaka R, et al. (2020) Object-Displacement-Sensitive Visual Neurons Drive Freezing in *Drosophila*. *Current biology : CB*, 30(13), 2532.

Omamiuda-Ishikawa N, et al. (2020) A pair of ascending neurons in the subesophageal zone mediates aversive sensory inputs-evoked backward locomotion in *Drosophila* larvae. *PLoS genetics*, 16(11), e1009120.

Zhan YP, et al. (2016) Taotie neurons regulate appetite in *Drosophila*. *Nature communications*, 7, 13633.