

Resource Summary Report

Generated by RRID on Aug 5, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=PTT-GA}Nrx-IV\[CA06597\]](#)

RRID:BDSC_50798

Type: Organism

Proper Citation

RRID:BDSC_50798

Organism Information

URL: <https://n2t.net/bdsc:50798>

Proper Citation: RRID:BDSC_50798

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=PTT-GA}Nrx-IV[CA06597] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Allan Spradling, Carnegie Institution for Science

Affected Gene: Nrx-IV, w, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 50798

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_50798, BL50798

Organism Name: y[1] w[*]; P{w[+mC]=PTT-GA}Nrx-IV[CA06597]

Record Creation Time: 20240911T222750+0000

Record Last Update: 20260801T195421+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=PTT-GA}Nrx-IV[CA06597].

No alerts have been found for y[1] w[*]; P{w[+mC]=PTT-GA}Nrx-IV[CA06597].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Song Y, et al. (2025) Mechanical coupling between dorsal and ventral surfaces shapes the Drosophila haltere. *Current biology : CB*, 35(13), 3090.

Luedke KP, et al. (2024) Dendrite intercalation between epidermal cells tunes nociceptor sensitivity to mechanical stimuli in Drosophila larvae. *PLoS genetics*, 20(4), e1011237.

Hu R, et al. (2024) Sniffer restricts arboviral brain infections by regulating ROS levels and protecting blood-brain barrier integrity in Drosophila and mosquitoes. *PLoS pathogens*, 20(12), e1012797.

DaCrema D, et al. (2021) Ecdysone regulates the Drosophila imaginal disc epithelial barrier, determining the length of regeneration checkpoint delay. *Development (Cambridge, England)*, 148(6).

Peterson NG, et al. (2020) Cytoplasmic sharing through apical membrane remodeling. *eLife*, 9.

Jevitt A, et al. (2020) A single-cell atlas of adult Drosophila ovary identifies transcriptional programs and somatic cell lineage regulating oogenesis. *PLoS biology*, 18(4), e3000538.

Dubey P, et al. (2019) Atypical septate junctions maintain the somatic enclosure around maturing spermatids and prevent premature sperm release in Drosophila testis. *Biology open*, 8(2).

Jiang N, et al. (2019) A conserved morphogenetic mechanism for epidermal ensheathment of nociceptive sensory neurites. *eLife*, 8.

Kanda H, et al. (2019) Degradation of Extracellular Matrix by Matrix Metalloproteinase 2 Is Essential for the Establishment of the Blood-Brain Barrier in Drosophila. *iScience*, 16, 218.

Ma M, et al. (2017) Basement Membrane Manipulation in Drosophila Wing Discs Affects Dpp Retention but Not Growth Mechanoregulation. *Developmental cell*, 42(1), 97.