

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

[w\[1118\] P{w\[+mC\]=PTT-GA}Nrg\[G00305\]](#)

RRID:BDSC_6844

Type: Organism

Proper Citation

RRID:BDSC_6844

Organism Information

URL: <https://n2t.net/bdsc:6844>

Proper Citation: RRID:BDSC_6844

Description: Drosophila melanogaster with name w[1118] P{w[+mC]=PTT-GA}Nrg[G00305] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Lynn Cooley, Yale University; Donor's Source: William Chia, National University of Singapore

Affected Gene: Nrg, w

Genomic Alteration: Chromosome 1

Catalog Number: 6844

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_6844, BDSC:6844, BL6844

Organism Name: w[1118] P{w[+mC]=PTT-GA}Nrg[G00305]

Record Creation Time: 20240911T222204+0000

Record Last Update: 20260919T202450+0000

Ratings and Alerts

No rating or validation information has been found for w[1118] P{w[+mC]=PTT-GA}Nrg[G00305].

No alerts have been found for w[1118] P{w[+mC]=PTT-GA}Nrg[G00305].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Bosveld F, et al. (2026) Tissue mechanics and systemic signaling safeguard epithelial tissue against spindle misorientation. *Developmental cell*, 61(4), 854.

Yoshino J, et al. (2025) Drosophila epidermal cells are intrinsically mechanosensitive and modulate nociceptive behavioral outputs. *eLife*, 13.

Zechini L, et al. (2025) Drosophila complement-like Mcr acts as a wound-induced inflammatory chemoattractant. *Current biology : CB*, 35(7), 1656.

Xu Y, et al. (2024) In vivo optogenetic manipulations of endogenous proteins reveal spatiotemporal roles of microtubule and kinesin in dendrite patterning. *Science advances*, 10(35), eadp0138.

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

Banach-Latapy A, et al. (2023) Differential adhesion during development establishes individual neural stem cell niches and shapes adult behaviour in Drosophila. *PLoS biology*, 21(11), e3002352.

Xu Y, et al. (2023) Light-induced trapping of endogenous proteins reveals spatiotemporal roles of microtubule and kinesin-1 in dendrite patterning of Drosophila sensory neurons. *bioRxiv : the preprint server for biology*.

Zechini L, et al. (2022) Piezo acts as a molecular brake on wound closure to ensure effective inflammation and maintenance of epithelial integrity. *Current biology : CB*, 32(16), 3584.

Kakanj P, et al. (2022) Autophagy-mediated plasma membrane removal promotes the formation of epithelial syncytia. *The EMBO journal*, 41(12), e109992.

Koreman GT, et al. (2021) Upgraded CRISPR/Cas9 tools for tissue-specific mutagenesis in Drosophila. *Proceedings of the National Academy of Sciences of the United States of*

America, 118(14).

Pannen H, et al. (2020) The ESCRT machinery regulates retromer-dependent transcytosis of septate junction components in *Drosophila*. *eLife*, 9.

Poe AR, et al. (2020) Low FoxO expression in *Drosophila* somatosensory neurons protects dendrite growth under nutrient restriction. *eLife*, 9.

Iyer KV, et al. (2019) Epithelial Viscoelasticity Is Regulated by Mechanosensitive E-cadherin Turnover. *Current biology : CB*, 29(4), 578.

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.

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

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).

Poe AR, et al. (2019) Robust CRISPR/Cas9-Mediated Tissue-Specific Mutagenesis Reveals Gene Redundancy and Perdurance in *Drosophila*. *Genetics*, 211(2), 459.