

Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

[w\[*\]; P{w\[+mC\]=EP}pain\[EP2451\]](#)

RRID:BDSC_27895

Type: Organism

Proper Citation

RRID:BDSC_27895

Organism Information

URL: <https://n2t.net/bdsc:27895>

Proper Citation: RRID:BDSC_27895

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=EP}pain[EP2451] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Bill Ja & Seymour Benzer, California Institute of Technology

Affected Gene: pain, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 27895

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_27895, BL27895

Organism Name: w[*]; P{w[+mC]=EP}pain[EP2451]

Record Creation Time: 20240911T222450+0000

Record Last Update: 20260829T185925+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=EP}pain[EP2451].

No alerts have been found for w[*]; P{w[+mC]=EP}pain[EP2451].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Ray V, et al. (2025) The TRP-channel painless mediates substrate stiffness sensing in the legs during Drosophila oviposition. PLoS genetics, 21(12), e1011980.

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

Li X, et al. (2023) Taste coding of heavy metal ion-induced avoidance in Drosophila. iScience, 26(5), 106607.

Suzuki M, et al. (2023) A Drosophila model of diabetic neuropathy reveals a role of proteasome activity in the glia. iScience, 26(6), 106997.

Oh SM, et al. (2021) Multisensory interactions regulate feeding behavior in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 118(7).

Khuong TM, et al. (2019) Peripheral straightjacket (?? Ca²⁺ channel subunit) expression is required for neuropathic sensitization in Drosophila. Philosophical transactions of the Royal Society of London. Series B, Biological sciences, 374(1785), 20190287.

Khuong TM, et al. (2019) Nerve injury drives a heightened state of vigilance and neuropathic sensitization in Drosophila. Science advances, 5(7), eaaw4099.

Mandel SJ, et al. (2018) Behavioral Aversion to AITC Requires Both Painless and dTRPA1 in Drosophila. Frontiers in neural circuits, 12, 45.

Kim SE, et al. (2012) The role of Drosophila Piezo in mechanical nociception. Nature, 483(7388), 209.