

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

[w\[*\]; P{w\[+mW.hs\]=GawB}pain\[GAL4\]](#)

RRID:BDSC_27894

Type: Organism

Proper Citation

RRID:BDSC_27894

Organism Information

URL: <https://n2t.net/bdsc:27894>

Proper Citation: RRID:BDSC_27894

Description: Drosophila melanogaster with name w[*]; P{w[+mW.hs]=GawB}pain[GAL4] from BDSC.

Species: Drosophila melanogaster

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

Affected Gene: GAL4, pain, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 27894

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_27894, BL27894

Organism Name: w[*]; P{w[+mW.hs]=GawB}pain[GAL4]

Record Creation Time: 20240911T222450+0000

Record Last Update: 20260826T175436+0000

Ratings and Alerts

No rating or validation information has been found for w[*];
P{w[+mW.hs]=GawB}pain[GAL4].

No alerts have been found for w[*]; P{w[+mW.hs]=GawB}pain[GAL4].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Suito T, et al. (2026) Ether phospholipids modulate somatosensory responses by tuning multiple receptor functions in Drosophila. iScience, 29(4), 115209.

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

Kunduri G, et al. (2025) Light and temperature sensitive seizures are regulated by spatially distinct cortex glial populations in the central nervous system. bioRxiv : the preprint server for biology.

Komarov N, et al. (2025) Food hardness preference reveals multisensory contributions of fly larval gustatory organs in behaviour and physiology. PLoS biology, 23(1), e3002730.

Liu J, et al. (2023) Alleviation of thermal nociception depends on heat-sensitive neurons and a TRP channel in the brain. Current biology : CB, 33(12), 2397.

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

El-Kholy SE, et al. (2022) Octopamine signaling via Oct²R is essential for a well-orchestrated climbing performance of adult Drosophila melanogaster. Scientific reports, 12(1), 14024.

Min S, et al. (2021) Control of feeding by Piezo-mediated gut mechanosensation in Drosophila. eLife, 10.

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

Fedele G, et al. (2014) An electromagnetic field disrupts negative geotaxis in Drosophila via a CRY-dependent pathway. Nature communications, 5, 4391.

Kim MJ, et al. (2014) ROS-mediated activation of *Drosophila* larval nociceptor neurons by UVC irradiation. *BMC neuroscience*, 15, 14.

Zhou Y, et al. (2012) Control of directional change after mechanical stimulation in *Drosophila*. *Molecular brain*, 5, 39.