

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

w[1118]; P{w[+mC]=Trhn-GAL4.long}2

RRID:BDSC_38388

Type: Organism

Proper Citation

RRID:BDSC_38388

Organism Information

URL: <https://n2t.net/bdsc:38388>

Proper Citation: RRID:BDSC_38388

Description: Drosophila melanogaster with name w[1118]; P{w[+mC]=Trhn-GAL4.long}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Ed Kravitz & Olga Alekseyenko, Harvard Medical School

Affected Gene: GAL4, Trhn, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 38388

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_38388, BL38388

Organism Name: w[1118]; P{w[+mC]=Trhn-GAL4.long}2

Record Creation Time: 20240911T222631+0000

Record Last Update: 20260815T191823+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mC]=Trhn-GAL4.long}2.

No alerts have been found for w[1118]; P{w[+mC]=Trhn-GAL4.long}2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Mitra S, et al. (2026) miR-34 regulates stress-induced depression-like state through the WDR26 ortholog melancholy in Drosophila. Research square.

Jiang H, et al. (2025) A parallelly distributed microscope and software system for scalable high-throughput multispectral 3D imaging. bioRxiv : the preprint server for biology.

Meimoun NS, et al. (2025) GABAergic neurons are a key cell type in a Drosophila model of PARK14/PLA2G6-associated neurodegeneration. Frontiers in neuroscience, 19, 1534243.

Warnecke C, et al. (2025) Re-exposure to reward re-evaluates related memories. Current biology : CB.

Ding G, et al. (2025) A tumor-secreted protein utilizes glucagon release to cause host wasting. Cell discovery, 11(1), 11.

Meng Z, et al. (2025) Neurexin regulates mechanical nociceptive sensitization by central inhibition in Drosophila. Science advances, 11(51), eadz9682.

Aimon S, et al. (2023) Global change in brain state during spontaneous and forced walk in Drosophila is composed of combined activity patterns of different neuron classes. eLife, 12.

Mabuchi Y, et al. (2023) Visual feedback neurons fine-tune Drosophila male courtship via GABA-mediated inhibition. Current biology : CB, 33(18), 3896.

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.

Yao Z, et al. (2022) Serotonergic neurons translate taste detection into internal nutrient regulation. Neuron, 110(6), 1036.

Deliu LP, et al. (2022) Serotonergic neuron ribosomal proteins regulate the neuroendocrine control of *Drosophila* development. *PLoS genetics*, 18(9), e1010371.

Coll-Tan?? M, et al. (2021) The CHD8/CHD7/Kismet family links blood-brain barrier glia and serotonin to ASD-associated sleep defects. *Science advances*, 7(23).

Schmitt RE, et al. (2020) Dietary yeast influences ethanol sedation in *Drosophila* via serotonergic neuron function. *Addiction biology*, 25(4), e12779.

Leng X, et al. (2020) Quantifying influence of human choice on the automated detection of *Drosophila* behavior by a supervised machine learning algorithm. *PloS one*, 15(12), e0241696.

Ganguly A, et al. (2020) Serotonin receptor 5-HT7 in *Drosophila* mushroom body neurons mediates larval appetitive olfactory learning. *Scientific reports*, 10(1), 21267.

Liu C, et al. (2019) A Serotonin-Modulated Circuit Controls Sleep Architecture to Regulate Cognitive Function Independent of Total Sleep in *Drosophila*. *Current biology : CB*, 29(21), 3635.

Chen KF, et al. (2019) Neurocalcin regulates nighttime sleep and arousal in *Drosophila*. *eLife*, 8.

Lee SS, et al. (2017) Hormonal Signaling Cascade during an Early-Adult Critical Period Required for Courtship Memory Retention in *Drosophila*. *Current biology : CB*, 27(18), 2798.