

Resource Summary Report

Generated by RRID on Aug 3, 2026

w[1118]; P{w[+mC]=Dh44-GAL4.TH}2M

RRID:BDSC_51987

Type: Organism

Proper Citation

RRID:BDSC_51987

Organism Information

URL: <https://n2t.net/bdsc:51987>

Proper Citation: RRID:BDSC_51987

Description: Drosophila melanogaster with name w[1118]; P{w[+mC]=Dh44-GAL4.TH}2M from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Kenta Asahina & David Anderson, California Institute of Technology

Affected Gene: Dh44, GAL4, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 51987

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_51987, BL51987

Organism Name: w[1118]; P{w[+mC]=Dh44-GAL4.TH}2M

Record Creation Time: 20240911T222801+0000

Record Last Update: 20260801T195432+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mC]=Dh44-GAL4.TH}2M.

No alerts have been found for w[1118]; P{w[+mC]=Dh44-GAL4.TH}2M.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Bisen RS, et al. (2025) Nutritional state-dependent modulation of insulin-producing cells in Drosophila. eLife, 13.

Xia Y, et al. (2025) miR-124 acts During Drosophila Development to Determine the Phase of Adult Circadian Behavior. Journal of biological rhythms, 7487304251361579.

Orozco Ramirez D, et al. (2025) A Single NPFR Neuropeptide F Receptor Neuron That Regulates Thirst Behaviors in Drosophila. eNeuro, 12(10).

Shi Y, et al. (2025) Molecular and neural basis of vomiting behavior in Drosophila melanogaster. Science advances, 11(37), eadv1143.

Ryvkin J, et al. (2024) Failure to mate enhances investment in behaviors that may promote mating reward and impairs the ability to cope with stressors via a subpopulation of Neuropeptide F receptor neurons. PLoS genetics, 20(1), e1011054.

Francés R, et al. (2024) Diverting glial glycolytic flux towards neurons is a memory-relevant role of Drosophila CRH-like signalling. Nature communications, 15(1), 10467.

Umezaki Y, et al. (2024) Taste triggers a homeostatic temperature control in hungry flies. eLife, 13.

Liang X, et al. (2023) Polyphasic circadian neural circuits drive differential activities in multiple downstream rhythmic centers. Current biology : CB, 33(2), 351.

Zhang RX, et al. (2022) dSec16 Acting in Insulin-like Peptide Producing Cells Controls Energy Homeostasis in Drosophila. Life (Basel, Switzerland), 13(1).

Dhakal S, et al. (2022) Drosophila TRP? is required in neuroendocrine cells for post-ingestive food selection. eLife, 11.

Ishii K, et al. (2022) A neurogenetic mechanism of experience-dependent suppression of aggression. Science advances, 8(36), eabg3203.

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

Meiselman MR, et al. (2022) Recovery from cold-induced reproductive dormancy is regulated by temperature-dependent AstC signaling. *Current biology : CB*, 32(6), 1362.

Oh Y, et al. (2021) Periphery signals generated by Piezo-mediated stomach stretch and Neuromedin-mediated glucose load regulate the *Drosophila* brain nutrient sensor. *Neuron*, 109(12), 1979.

Hückesfeld S, et al. (2021) Unveiling the sensory and interneuronal pathways of the neuroendocrine connectome in *Drosophila*. *eLife*, 10.

Ruiz D, et al. (2021) Slowpoke functions in circadian output cells to regulate rest:activity rhythms. *PloS one*, 16(3), e0249215.

Jin X, et al. (2021) A subset of DN1p neurons integrates thermosensory inputs to promote wakefulness via CNMa signaling. *Current biology : CB*, 31(10), 2075.

Hadjieconomou D, et al. (2020) Enteric neurons increase maternal food intake during reproduction. *Nature*, 587(7834), 455.

Li X, et al. (2020) Renal Purge of Hemolymphatic Lipids Prevents the Accumulation of ROS-Induced Inflammatory Oxidized Lipids and Protects *Drosophila* from Tissue Damage. *Immunity*, 52(2), 374.

Ohhara Y, et al. (2018) Adult-specific insulin-producing neurons in *Drosophila melanogaster*. *The Journal of comparative neurology*, 526(8), 1351.