Resource Summary Report

Generated by dkNET on Sep 19, 2026

w[1118]; Mi{GFP[E.3xP3]=ET1}Ir56b[MB09950]

RRID:BDSC_27818
Type: Organism

Proper Citation

RRID:BDSC_27818

Organism Information

URL: https://n2t.net/bdsc:27818

Proper Citation: RRID:BDSC_27818

Description: Drosophila melanogaster with name w[1118]; Mi{GFP[E.3xP3]=ET1}Ir56b[MB09950] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Gene Disruption Project; Donor's Source: Hugo J. Bellen, Baylor College of Medicine

Affected Gene: GAL4, Ir56b, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 27818

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_27818, BDSC:27818, BL27818

Organism Name: w[1118]; Mi{GFP[E.3xP3]=ET1}Ir56b[MB09950]

Record Creation Time: 20240911T222449+0000

Record Last Update: 20260912T203512+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; Mi{GFP[E.3xP3]=ET1}Ir56b[MB09950].

No alerts have been found for w[1118]; Mi{GFP[E.3xP3]=ET1}Ir56b[MB09950].

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 dkNET .

Pradhan RN, et al. (2025) Ionotropic receptors mediate arachidic acid perception and food avoidance behavior in Drosophila melanogaster. Molecules and cells, 48(12), 100290.

Nhuchhen Pradhan R, et al. (2025) Cholesterol taste avoidance in Drosophila melanogaster. eLife, 14.

Shrestha B, et al. (2024) Pharyngeal neuronal mechanisms governing sour taste perception in Drosophila melanogaster. eLife, 13.

Pandey P, et al. (2024) Avoiding alkaline taste through ionotropic receptors. iScience, 27(6), 110087.

Sang J, et al. (2024) A single pair of pharyngeal neurons functions as a commander to reject high salt in Drosophila melanogaster. eLife, 12.

Asefa WR, et al. (2024) Molecular and cellular basis of sodium sensing in Drosophila labellum. iScience, 27(7), 110248.

Shrestha B, et al. (2023) The taste of vitamin C in Drosophila. EMBO reports, e56319.

Pradhan RN, et al. (2023) Molecular Basis of Hexanoic Acid Taste in Drosophila melanogaster. Molecules and cells, 46(7), 451.

Sang J, et al. (2023) A single pair of pharyngeal neurons functions as a commander to reject high salt in Drosophila melanogaster. bioRxiv : the preprint server for biology.

Aryal B, et al. (2022) Molecular and neuronal mechanisms for amino acid taste perception in the Drosophila labellum. Current biology : CB, 32(6), 1376.

Dweck HKM, et al. (2022) Ir56b is an atypical ionotropic receptor that underlies appetitive salt response in Drosophila. Current biology : CB, 32(8), 1776.

Dhakal S, et al. (2021) Ionotropic receptors mediate nitrogenous waste avoidance in Drosophila melanogaster. Communications biology, 4(1), 1281.

Shrestha B, et al. (2021) Mechanisms of Carboxylic Acid Attraction in Drosophila melanogaster. Molecules and cells, 44(12), 900.

Stanley M, et al. (2021) Mechanisms of lactic acid gustatory attraction in Drosophila. Current biology : CB, 31(16), 3525.

Rimal S, et al. (2020) Cucurbitacin B Activates Bitter-Sensing Gustatory Receptor Neurons via Gustatory Receptor 33a in Drosophila melanogaster. Molecules and cells, 43(6), 530.

Guo H, et al. (2020) Multiple channels of DEET repellency in Drosophila. Pest management science, 76(3), 880.

Rimal S, et al. (2019) Mechanism of Acetic Acid Gustatory Repulsion in Drosophila. Cell reports, 26(6), 1432.

Ahn JE, et al. (2017) Molecular basis of fatty acid taste in Drosophila. eLife, 6.