

Resource Summary Report

Generated by [dkNET](#) on Sep 9, 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: 20260905T140222+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.