

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

[w\[1118\]; Mi{GFP\[E.3xP3\]=ET1}Ir52c\[MB04402\]](#)

RRID:BDSC_24580

Type: Organism

Proper Citation

RRID:BDSC_24580

Organism Information

URL: <https://n2t.net/bdsc:24580>

Proper Citation: RRID:BDSC_24580

Description: Drosophila melanogaster with name w[1118]; Mi{GFP[E.3xP3]=ET1}Ir52c[MB04402] from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating SM6a. Donor: Gene Disruption Project; Donor's Source: Hugo J. Bellen, Baylor College of Medicine

Affected Gene: GAL4, Ir52c, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 24580

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_24580, BL24580

Organism Name: w[1118]; Mi{GFP[E.3xP3]=ET1}Ir52c[MB04402]

Record Creation Time: 20240911T222419+0000

Record Last Update: 20260801T194933+0000

Ratings and Alerts

No rating or validation information has been found for w[1118];
Mi{GFP[E.3xP3]=ET1}Ir52c[MB04402].

No alerts have been found for w[1118]; Mi{GFP[E.3xP3]=ET1}Ir52c[MB04402].

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 [RRID](#) .

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.

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

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

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.

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

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

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.

Martin M, et al. (2018) Analysis of *Drosophila* STING Reveals an Evolutionarily Conserved Antimicrobial Function. *Cell reports*, 23(12), 3537.

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