Resource Summary Report

Generated by Kravitz on Sep 18, 2026

w[1118]; P{w[+mC]=EP}Ir100a[G19846] CG42233[G19846]

RRID:BDSC_31853
Type: Organism

Proper Citation

RRID:BDSC_31853

Organism Information

URL: https://n2t.net/bdsc:31853

Proper Citation: RRID:BDSC_31853

Description: Drosophila melanogaster with name w[1118]; P{w[+mC]=EP}Ir100a[G19846] CG42233[G19846] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Gene Disruption Project; Donor's Source: GenExel, Inc.

Affected Gene: CG42233, Ir100a, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 31853

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_31853, BDSC:31853, BL31853

Organism Name: w[1118]; P{w[+mC]=EP}Ir100a[G19846] CG42233[G19846]

Record Creation Time: 20240911T222527+0000

Record Last Update: 20260912T203605+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mC]=EP}Ir100a[G19846] CG42233[G19846].

No alerts have been found for w[1118]; P{w[+mC]=EP}Ir100a[G19846] CG42233[G19846].

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 Kravitz .

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

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

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

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.

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

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

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

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.

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