

Resource Summary Report

Generated by SPARC SAWG on Aug 8, 2026

DGRP-409

RRID:BDSC_28278

Type: Organism

Proper Citation

RRID:BDSC_28278

Organism Information

URL: <https://n2t.net/bdsc:28278>

Proper Citation: RRID:BDSC_28278

Description: Drosophila melanogaster with name DGRP-409 from BDSC.

Species: Drosophila melanogaster

Notes: Drosophila Genetic Reference Panel strain - sequenced isogenic reference wild type strain (aka 'Raleigh' or 'Mackay' line). Donor: Trudy Mackay, North Carolina State University

Genomic Alteration: Chromosome wt

Catalog Number: 28278

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_28278, BL28278

Organism Name: DGRP-409

Record Creation Time: 20240911T222453+0000

Record Last Update: 20260808T194649+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-409.

No alerts have been found for DGRP-409.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Marconcini M, et al. (2026) Genome-wide association studies identify new candidate genes and tissues underlying resistance to a natural toxin in drosophilids. *G3* (Bethesda, Md.), 16(4).

Yamamoto A, et al. (2024) The genetic basis of variation in *Drosophila melanogaster* mating behavior. *iScience*, 27(5), 109837.

Chechenova M, et al. (2024) Muscle degeneration in aging *Drosophila* flies: the role of mechanical stress. *Skeletal muscle*, 14(1), 20.

Spierer AN, et al. (2021) Natural variation in the regulation of neurodevelopmental genes modifies flight performance in *Drosophila*. *PLoS genetics*, 17(3), e1008887.

Litovchenko M, et al. (2021) Extensive tissue-specific expression variation and novel regulators underlying circadian behavior. *Science advances*, 7(5).

Chowdhury B, et al. (2021) The Divider Assay is a high-throughput pipeline for aggression analysis in *Drosophila*. *Communications biology*, 4(1), 85.

Ravenscroft TA, et al. (2020) *Drosophila* Voltage-Gated Sodium Channels Are Only Expressed in Active Neurons and Are Localized to Distal Axonal Initial Segment-like Domains. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(42), 7999.

Everett LJ, et al. (2020) Gene expression networks in the *Drosophila* Genetic Reference Panel. *Genome research*, 30(3), 485.

Hunt LC, et al. (2019) Circadian gene variants and the skeletal muscle circadian clock contribute to the evolutionary divergence in longevity across *Drosophila* populations. *Genome research*, 29(8), 1262.