

Resource Summary Report

Generated by [kravitz2](#) on Sep 6, 2026

DGRP-589

RRID:BDSC_28213

Type: Organism

Proper Citation

RRID:BDSC_28213

Organism Information

URL: <https://n2t.net/bdsc:28213>

Proper Citation: RRID:BDSC_28213

Description: Drosophila melanogaster with name DGRP-589 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: 28213

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_28213, BDSC:28213, BL28213

Organism Name: DGRP-589

Record Creation Time: 20240911T222453+0000

Record Last Update: 20260905T140228+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-589.

No alerts have been found for DGRP-589.

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 [kravitz2](#).

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).

Sato DX, et al. (2025) Multifaceted and extensive behavioral trajectories of genomically diverse *Drosophila* lines. *Scientific data*, 12(1), 400.

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

Juul-Kristensen T, et al. (2023) Topoisomerase 1 Activity Is Reduced in Response to Thermal Stress in Fruit Flies and in Human HeLa Cells. *Biosensors*, 13(11).

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).

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

Kurmangaliyev YZ, et al. (2020) Transcriptional Programs of Circuit Assembly in the *Drosophila* Visual System. *Neuron*, 108(6), 1045.

Leit??o AB, et al. (2019) Independent effects on cellular and humoral immune responses underlie genotype-by-genotype interactions between *Drosophila* and parasitoids. *PLoS pathogens*, 15(10), e1008084.