

# Resource Summary Report

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

## DGRP-443

RRID:BDSC\_28199

Type: Organism

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### Proper Citation

RRID:BDSC\_28199

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### Organism Information

**URL:** <https://n2t.net/bdsc:28199>

**Proper Citation:** RRID:BDSC\_28199

**Description:** Drosophila melanogaster with name DGRP-443 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:** 28199

**Database:** Bloomington Drosophila Stock Center (BDSC)

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC\_28199, BDSC:28199, BL28199

**Organism Name:** DGRP-443

**Record Creation Time:** 20240911T222453+0000

**Record Last Update:** 20260905T140228+0000

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### Ratings and Alerts

No rating or validation information has been found for DGRP-443.

No alerts have been found for DGRP-443.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

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## Usage and Citation Metrics

We found 12 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#).

Okuyama T, et al. (2026) Genetic heterogeneity alleviates behavioral trade-off between exploration and vigilance in *Drosophila*. *iScience*, 29(6), 116171.

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).

Bak NK, et al. (2026) Host genetics and diet jointly shape the microbiome of *Drosophila melanogaster* but do not predict lifespan or age-related traits. *Biogerontology*, 27(3).

Peddibhotla S, et al. (2026) Natural Genetic Variation Impacts Stress-Induced Quiescence and Regeneration in Response to Rapamycin. *Cells*, 15(3).

Peddibhotla S, et al. (2025) Rapamycin Differentially Impacts Germline Stem Cell Quiescence Across Diverse Genetic Backgrounds of *Drosophila Melanogaster*. *bioRxiv* : the preprint server for biology.

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.

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.

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

Okada H, et al. (2019) Sex-dependent and sex-independent regulatory systems of size variation in natural populations. *Molecular systems biology*, 15(11), e9012.