

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

DGRP-57

RRID:BDSC_29652

Type: Organism

Proper Citation

RRID:BDSC_29652

Organism Information

URL: <https://n2t.net/bdsc:29652>

Proper Citation: RRID:BDSC_29652

Description: Drosophila melanogaster with name DGRP-57 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: 29652

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_29652, BDSC:29652, BL29652

Organism Name: DGRP-57

Record Creation Time: 20240911T222506+0000

Record Last Update: 20260919T202915+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-57.

No alerts have been found for DGRP-57.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

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).

Rivera-Rincón N, et al. (2026) Effects of hypoxia and low temperature on female physiology and reproduction of *Drosophila melanogaster*. *bioRxiv : the preprint server for biology*.

Shankar Ganesh A, et al. (2026) The functional organization of chromosome territories in single nuclei during zygotic genome activation. *Scientific reports*, 16(1), 5668.

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

Shiran MG, et al. (2026) Efficient RFLP-based Protocol for Routine Authentication of *Drosophila*. *microPublication biology*, 2026.

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

Ganesh AS, et al. (2025) The functional organization of chromosome territories in single nuclei during zygotic genome activation. *bioRxiv : the preprint server for biology*.

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*.

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.

Chechenova M, et al. (2023) Quantitative model of aging-related muscle degeneration: a *Drosophila* study. *bioRxiv : the preprint server for biology*.

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

Patel SP, et al. (2021) Identification of genetic modifiers of lifespan on a high sugar diet in the *Drosophila* Genetic Reference Panel. *Heliyon*, 7(6), e07153.

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.

Bravo González-Blas C, et al. (2020) Identification of genomic enhancers through spatial integration of single-cell transcriptomics and epigenomics. *Molecular systems biology*, 16(5), e9438.

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

Erceg J, et al. (2019) The genome-wide multi-layered architecture of chromosome pairing in early *Drosophila* embryos. *Nature communications*, 10(1), 4486.

Jacobs J, et al. (2018) The transcription factor Grainy head primes epithelial enhancers for spatiotemporal activation by displacing nucleosomes. *Nature genetics*, 50(7), 1011.