

Resource Summary Report

Generated by [NIF](#) on Sep 19, 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: 20260912T203536+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 [NIF](#) .

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.