

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

DGRP-320

RRID:BDSC_29654

Type: Organism

Proper Citation

RRID:BDSC_29654

Organism Information

URL: <https://n2t.net/bdsc:29654>

Proper Citation: RRID:BDSC_29654

Description: Drosophila melanogaster with name DGRP-320 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: 29654

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_29654, BL29654

Organism Name: DGRP-320

Record Creation Time: 20240911T222506+0000

Record Last Update: 20260826T175436+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-320.

No alerts have been found for DGRP-320.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 15 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).

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

Lindsey ARI, et al. (2025) The intracellular symbiont Wolbachia alters Drosophila development and metabolism to buffer against nutritional stress. PLoS genetics, 21(10), e1011905.

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

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

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

Lindsey AR, et al. (2023) Wolbachia is a nutritional symbiont in Drosophila melanogaster. bioRxiv : the preprint server for biology.

Bonanno SL, et al. (2023) Transcriptional changes in specific subsets of Drosophila neurons following inhibition of the serotonin transporter. Translational psychiatry, 13(1), 226.

Bonanno SL, et al. (2023) Transcriptional changes in specific subsets of Drosophila neurons following inhibition of the serotonin transporter. Research square.

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.

Bryant KN, et al. (2020) The Intracellular Symbiont *Wolbachia pipientis* Enhances Recombination in a Dose-Dependent Manner. *Insects*, 11(5).

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

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