

Resource Summary Report

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

DGRP-321

RRID:BDSC_29655

Type: Organism

Proper Citation

RRID:BDSC_29655

Organism Information

URL: <https://n2t.net/bdsc:29655>

Proper Citation: RRID:BDSC_29655

Description: Drosophila melanogaster with name DGRP-321 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: 29655

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_29655, BDSC:29655, BL29655

Organism Name: DGRP-321

Record Creation Time: 20240911T222506+0000

Record Last Update: 20260919T202915+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-321.

No alerts have been found for DGRP-321.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 5 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).

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.

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.