

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

DGRP-31

RRID:BDSC_55014

Type: Organism

Proper Citation

RRID:BDSC_55014

Organism Information

URL: <https://n2t.net/bdsc:55014>

Proper Citation: RRID:BDSC_55014

Description: Drosophila melanogaster with name DGRP-31 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: 55014

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_55014, BL55014

Organism Name: DGRP-31

Record Creation Time: 20240911T222830+0000

Record Last Update: 20260725T195623+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-31.

No alerts have been found for DGRP-31.

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](#) .

Juul-Kristensen T, et al. (2023) Topoisomerase 1 Activity Is Reduced in Response to Thermal Stress in Fruit Flies and in Human HeLa Cells. Biosensors, 13(11).

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.

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

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

Talsness DM, et al. (2020) A Drosophila screen identifies NKCC1 as a modifier of NGLY1 deficiency. eLife, 9.