

Resource Summary Report

Generated by [NIF](#) on Aug 28, 2026

DGRP-551

RRID:BDSC_55026

Type: Organism

Proper Citation

RRID:BDSC_55026

Organism Information

URL: <https://n2t.net/bdsc:55026>

Proper Citation: RRID:BDSC_55026

Description: Drosophila melanogaster with name DGRP-551 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: 55026

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_55026, BL55026

Organism Name: DGRP-551

Record Creation Time: 20240911T222830+0000

Record Last Update: 20260826T175836+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-551.

No alerts have been found for DGRP-551.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 7 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).

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.

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

Ravenscroft TA, et al. (2020) Drosophila Voltage-Gated Sodium Channels Are Only Expressed in Active Neurons and Are Localized to Distal Axonal Initial Segment-like Domains. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(42), 7999.

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

Davie K, et al. (2018) A Single-Cell Transcriptome Atlas of the Aging Drosophila Brain. Cell, 174(4), 982.