

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

DGRP-40

RRID:BDSC_29651

Type: Organism

Proper Citation

RRID:BDSC_29651

Organism Information

URL: <https://n2t.net/bdsc:29651>

Proper Citation: RRID:BDSC_29651

Description: Drosophila melanogaster with name DGRP-40 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: 29651

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_29651, BDSC:29651, BL29651

Organism Name: DGRP-40

Record Creation Time: 20240911T222506+0000

Record Last Update: 20260912T203536+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-40.

No alerts have been found for DGRP-40.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

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

Tang C, et al. (2022) Genetic dissection of innate immune memory in *Drosophila melanogaster*. *Frontiers in immunology*, 13, 857707.

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.

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

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