

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

DGRP-491

RRID:BDSC_28202

Type: Organism

Proper Citation

RRID:BDSC_28202

Organism Information

URL: <https://n2t.net/bdsc:28202>

Proper Citation: RRID:BDSC_28202

Description: Drosophila melanogaster with name DGRP-491 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: 28202

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_28202, BDSC:28202, BL28202

Organism Name: DGRP-491

Record Creation Time: 20240911T222453+0000

Record Last Update: 20260905T140228+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-491.

No alerts have been found for DGRP-491.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

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).

Bak NK, et al. (2026) Host genetics and diet jointly shape the microbiome of *Drosophila melanogaster* but do not predict lifespan or age-related traits. *Biogerontology*, 27(3).

Rivera-Rinc??n N, et al. (2026) Effects of hypoxia and low temperature on female physiology and reproduction of *Drosophila melanogaster*. *bioRxiv : the preprint server for biology*.

Shiran MG, et al. (2026) Efficient RFLP-based Protocol for Routine Authentication of *Drosophila*. *microPublication biology*, 2026.

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

Scharenbrock AR, et al. (2021) Beta-blockers reduce intestinal permeability and early mortality following traumatic brain injury in *Drosophila*. *microPublication biology*, 2021.

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.

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