

Resource Summary Report

Generated by SPARC SAWG on Aug 6, 2026

DGRP-301

RRID:BDSC_25175

Type: Organism

Proper Citation

RRID:BDSC_25175

Organism Information

URL: <https://n2t.net/bdsc:25175>

Proper Citation: RRID:BDSC_25175

Description: Drosophila melanogaster with name DGRP-301 from BDSC.

Species: Drosophila melanogaster

Notes: Drosophila Genetic Reference Panel strain - sequenced isogenic reference wild type strain (aka 'Raleigh' or 'Mackay' line), core 40 set. Donor: Trudy Mackay, North Carolina State University

Genomic Alteration: Chromosome wt

Catalog Number: 25175

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_25175, BL25175

Organism Name: DGRP-301

Record Creation Time: 20240911T222424+0000

Record Last Update: 20260801T194942+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-301.

No alerts have been found for DGRP-301.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Backlund AE, et al. (2025) Mating status drives fitness trade-offs in exercised female Drosophila. PloS one, 20(10), e0327080.

Sato DX, et al. (2025) Multifaceted and extensive behavioral trajectories of genomically diverse Drosophila lines. Scientific data, 12(1), 400.

Byars ASX, et al. (2025) Unpredictable disturbance and its effects on activity behavior and lifespan in Drosophila melanogaster. Biology open, 14(7).

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

Chechenova M, et al. (2023) Quantitative model of aging-related muscle degeneration: a Drosophila study. bioRxiv : the preprint server for biology.

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

Buchert SN, et al. (2022) Sleep correlates with behavioral decision making critical for reproductive output in Drosophila melanogaster. Comparative biochemistry and physiology. Part A, Molecular & integrative physiology, 264, 111114.

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.

Chowdhury B, et al. (2021) The Divider Assay is a high-throughput pipeline for aggression analysis in Drosophila. Communications biology, 4(1), 85.

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.

Langley CH, et al. (2012) Genomic variation in natural populations of *Drosophila melanogaster*. *Genetics*, 192(2), 533.