

Resource Summary Report

Generated by [ASWG](#) on Sep 20, 2026

DGRP-705

RRID:BDSC_25744

Type: Organism

Proper Citation

RRID:BDSC_25744

Organism Information

URL: <https://n2t.net/bdsc:25744>

Proper Citation: RRID:BDSC_25744

Description: Drosophila melanogaster with name DGRP-705 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: 25744

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_25744, BDSC:25744, BL25744

Organism Name: DGRP-705

Record Creation Time: 20240911T222429+0000

Record Last Update: 20260919T202817+0000

Ratings and Alerts

No rating or validation information has been found for DGRP-705.

No alerts have been found for DGRP-705.

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 [ASWG](#) .

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).

Tran NV, et al. (2024) Programmed disassembly of a microtubule-based membrane protrusion network coordinates 3D epithelial morphogenesis in *Drosophila*. The EMBO journal, 43(4), 568.

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.

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.

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