

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

J:DO

RRID:IMSR_JAX:009376

Type: Organism

Proper Citation

RRID:IMSR_JAX:009376

Organism Information

URL: <https://www.jax.org/strain/009376>

Proper Citation: RRID:IMSR_JAX:009376

Description: Mus musculus with name J:DO from IMSR.

Species: Mus musculus

Synonyms: Diversity Outbred

Notes: gene symbol note: ; outbred stock:

Catalog Number: JAX:009376

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: J:DO

Record Creation Time: 20250513T053714+0000

Record Last Update: 20260815T050635+0000

Ratings and Alerts

No rating or validation information has been found for J:DO.

No alerts have been found for J:DO.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Sajjad U, et al. (2026) Deep Learning-Based Spatial Immunoprofiling of Multiplex Immunofluorescence Images Distinguishes Tuberculosis Disease States in Diversity Outbred Mice. bioRxiv : the preprint server for biology.

Stanton A, et al. (2026) Chromosome X dosage modulates development of aneuploidy in genetically diverse mouse embryonic stem cells. Stem cell reports, 21(7), 102933.

Sutton KJ, et al. (2026) Primary-Level Meta-Analysis of Diversity Outbred Mice Identifies a Fasting Plasma Trimethylamine N-Oxide (TMAO) Locus Modified by Sex and Diet. bioRxiv : the preprint server for biology.

Widmayer SJ, et al. (2025) Low-coverage whole-genome sequencing facilitates accurate and cost-effective haplotype reconstruction in complex mouse crosses. Mammalian genome : official journal of the International Mammalian Genome Society.

Faizan MI, et al. (2025) Genetic diversity leads to differential inflammatory responses to cigarette smoke in mice. Physiological reports, 13(2), e70199.

Keele GR, et al. (2025) Genetic architecture of the murine red blood cell proteome reveals central role of hemoglobin beta cysteine 93 in maintaining redox balance. Cell genomics, 101069.

Cousineau CM, et al. (2024) Reduced beta-hydroxybutyrate disposal after ketogenic diet feeding in mice. bioRxiv : the preprint server for biology.

Oliveira TY, et al. (2024) Quantitative trait loci mapping provides insights into the genetic regulation of dendritic cell numbers in mouse tissues. Cell reports, 43(6), 114296.

O'Connor C, et al. (2024) Unraveling the genetics of arsenic toxicity with cellular morphology QTL. PLoS genetics, 20(4), e1011248.

Cousineau CM, et al. (2024) Cross-sectional association between blood cholesterol and calcium levels in genetically diverse strains of mice. FEBS open bio, 14(3), 426.

O'Connor C, et al. (2023) Cell morphology QTL reveal gene by environment interactions in a genetically diverse cell population. bioRxiv : the preprint server for biology.

Keele GR, et al. (2023) Global and tissue-specific aging effects on murine proteomes. Cell reports, 42(7), 112715.

Cornes BK, et al. (2023) Protein coding variation in the J:ARC and J:DO outbred laboratory mouse stocks provides a molecular basis for distinct research applications. *G3* (Bethesda, Md.), 13(4).

Cousineau CM, et al. (2023) Cross-sectional association between blood cholesterol and calcium levels in genetically diverse strains of mice. *bioRxiv : the preprint server for biology*.

Jacob JB, et al. (2023) Identification of actionable targets for breast cancer intervention using a diversity outbred mouse model. *iScience*, 26(4), 106320.

Keele GR, et al. (2021) Regulation of protein abundance in genetically diverse mouse populations. *Cell genomics*, 1(1).

Skelly DA, et al. (2020) Mapping the Effects of Genetic Variation on Chromatin State and Gene Expression Reveals Loci That Control Ground State Pluripotency. *Cell stem cell*, 27(3), 459.