

Resource Summary Report

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DBA/2J

RRID:IMSR_JAX:000671

Type: Organism

Proper Citation

RRID:IMSR_JAX:000671

Organism Information

URL: <https://www.jax.org/strain/000671>

Proper Citation: RRID:IMSR_JAX:000671

Description: Mus musculus with name DBA/2J from IMSR.

Species: Mus musculus

Synonyms: DBA2. D2J. D2

Notes: gene symbol note: forebrain weight 1|nonagouti|audiogenic seizure prone 2|CD5 antigen|latent transforming growth factor beta binding protein 4|forebrain weight 2|tyrosinase-related protein 1|myosin VA|MX dynamin-like GTPase 1|beta-2 microglobulin|annexin A6|glycoprotein (transmembrane) nmb|trace amine-associated receptor 1|cadherin related 23 (otocadherin)|G protein-coupled receptor 84|cytochrome c oxidase subunit 7A2 like|hemolytic complement|hemoglobin beta chain complex|purinergic receptor P2X; ligand-gated ion channel; 7|fascin actin-bundling protein 2|aryl-hydrocarbon receptor|killer cell lectin-like receptor; subfamily D; member 1; inbred strain: Fbrwt1|a|Asp2|Cd5|Ltbp4|Fbrwt2|Tyrrp1|Myo5a|Mx1|B2m|Anxa6|Gpnmb|Taarr1|Cdh23|Gpr84|Cox7a2

Affected Gene: forebrain weight 1|nonagouti|audiogenic seizure prone 2|CD5 antigen|latent transforming growth factor beta binding protein 4|forebrain weight 2|tyrosinase-related protein 1|myosin VA|MX dynamin-like GTPase 1|beta-2 microglobulin|annexin A6|glycoprotein (transmembrane) nmb|trace amine-associated receptor 1|cadherin related 23 (otocadherin)|G protein-coupled receptor 84|cytochrome c oxidase subunit 7A2 like|hemolytic complement|hemoglobin beta chain complex|purinergic receptor P2X; ligand-gated ion channel; 7|fascin actin-bundling protein 2|aryl-hydrocarbon receptor|killer cell lectin-like receptor; subfamily D; member 1

Genomic Alteration: DBA/2J|nonagouti|audiogenic seizure prone 2|a variant|Duchenne modifier 1 susceptible|iris stromal atrophy|dilute|myxovirus susceptibility 1|rs26961431 SNP allele with the G variant|iris pigment dispersion|mutation 1; Jackson|age related hearing loss 1|deletion|long|deficient|d|rs48804829 SNP allele with the T variant|age

related hearing loss 18|d variant

Catalog Number: JAX:000671

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: DBA/2J

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260829T044917+0000

Ratings and Alerts

No rating or validation information has been found for DBA/2J.

No alerts have been found for DBA/2J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 1159 mentions in open access literature.

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

Helmy M, et al. (2026) High-quality mouse reference genomes reveal the structural complexity of the murine protein-coding landscape. *Cell genomics*, 6(2), 101074.

Patel PD, et al. (2026) Mechanistic Insights into Glucocorticoid-Induced Ocular Hypertension Using Differences in Mouse Strain Responsiveness. *The American journal of pathology*, 196(3), 780.

Kim M, et al. (2026) Identification of susceptibility loci using a novel murine model for triple-negative breast cancer. *G3 (Bethesda, Md.)*, 16(2).

Le Foll B, et al. (2026) Histamine H3 Receptor as a target for alcohol use disorder: challenging the predictability of animal models for clinical translation in drug development. *Translational psychiatry*, 16(1), 55.

Kendra JA, et al. (2026) A Borophosphate Glass Doped with Cobalt Oxide Improves Skeletal Muscle Structure and Function in Myopathic Mice. *Journal of functional biomaterials*, 17(3).

Blackmer-Raynolds L, et al. (2026) Indigenous gut microbes modulate neural cell state and neurodegenerative disease susceptibility. *Cell systems*, 17(2), 101481.

McCool S, et al. (2026) Compensatory responses to glaucoma pathology in the dorsolateral geniculate nucleus. *iScience*, 29(4), 115176.

Munera-Maravilla E, et al. (2026) Cell-of-origin and genetic drivers define advanced bladder cancer subtypes and potential therapeutic response in mouse models. *Journal of experimental & clinical cancer research : CR*, 45(1).

Saxena S, et al. (2026) Cannabidiol dose modulates behavioral response to acute and repeated administration of Δ^9 -Tetrahydrocannabinol by strain and sex. *bioRxiv : the preprint server for biology*.

Ninoyu Y, et al. (2026) Novel candidate genes for vestibular function identified through GWAS in the hybrid mouse diversity panel. *BMC genomics*, 27(1).

Ojha CR, et al. (2026) Effect of Acid-Stabilizing Hemagglutinin Mutations on Immunogenicity and Heterologous Protection by H1N1 Influenza Virus mRNA-LNP Vaccines. *Viruses*, 18(4).

Arefin TM, et al. (2026) Dissecting the Strain and Sex Specific Connectome Signatures of Unanesthetized C57BL/6J and DBA/2J Mice Using Magnetic Resonance Imaging. *Genes, brain, and behavior*, 25(4), e70060.

Caputo V, et al. (2026) Extended Heterosubtypic Neutralization and Preclinical Model In Vivo Protection from Clade 2.3.4.4b H5 Influenza Virus Infection by Broadly Neutralizing Antibodies. *Vaccines*, 14(1).

Kirchenbaum GA, et al. (2026) Extending ImmunoSpot® Assays' Sensitivity for Detecting Rare Antigen-Specific B Cells to One in a Million-And Possibly Lower. *Vaccines*, 14(1).

Uno N, et al. (2026) Elicitation of Protective Immune Responses Against Influenza Virus Following Intranasal Delivery of Fluzone or Flublok Vaccines. *Vaccines*, 14(1).

Zeidler BJ, et al. (2026) Empagliflozin preserves cardiac function and modulates metabolism in a mouse model of Duchenne muscular dystrophy. *bioRxiv : the preprint server for biology*.

Narra N, et al. (2026) Positive allosteric modulator of SERCA pump NDC-1171 attenuates cardiac functional decline in mouse model of Duchenne muscular dystrophy. *bioRxiv : the preprint server for biology*.

Soma K, et al. (2026) Early-stage therapeutic efficacy of TNAP inhibition using a novel milder murine model of CKD-MBD. *Experimental animals*, 75(1), 73.

Moor MB, et al. (2026) The renal response to FGF23 shifts from phosphaturia toward inflammation in kidney disease. *Journal of cell communication and signaling*, 20(1), e70061.

Kim A, et al. (2026) A Gut-Restricted Liver X Receptor Agonist Ameliorates Liver Injury in Experimental Short Bowel Syndrome. *Gastroenterology*, 170(5), 1017.