

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

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

Fbrwt1|Cd5|Taar1|Klrd1|Ltbp4|Asp2|Hc|Cdh23|Ahr|Gpnmb|Hbb|Anxa6|Gpr84|Cox7a2|Mx1|Fbrwt2|F

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

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

susceptibility 1|rs48804829 SNP allele with the T variant|nonagouti|age related hearing loss 18|dilute|iris stromal atrophy

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: 20260725T044328+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 1090 mentions in open access literature.

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

Gallo Afflitto G, et al. (2026) Topical WIN 55 212-2 Confers Long-Term Intraocular Pressure-Independent Neuroprotection in the DBA/2J Mouse Model of Glaucoma. Ophthalmology science, 6(1), 100918.

Rios SM, et al. (2025) Absence of TAAR1 function increases methamphetamine-induced excitability of dorsal raphe serotonin neurons and drives binge-level methamphetamine intake. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 50(7), 1136.

Gregory-Flores A, et al. (2025) A small molecule PKC?? inhibitor reduces hyperalgesia induced by paclitaxel or opioid withdrawal. JCI insight, 10(8).

Granet JA, et al. (2025) Muscle stem cells in Duchenne muscular dystrophy exhibit molecular impairments and altered cell fate trajectories impacting regenerative capacity. Cell death & disease, 16(1), 437.

Garretson A, et al. (2025) Benchmarking Genomic Variant Calling Tools in Inbred Mouse Strains: Recommendations and Considerations. *bioRxiv : the preprint server for biology*.

Nguyen BV, et al. (2025) A domain-swapped CaMKII conformation facilitates linker-mediated allosteric regulation. *Nature communications*, 16(1), 8461.

Turovsky EA, et al. (2025) Therapeutic Effect of Selenium Nanoparticles, Sorafenib, and Selenium-Sorafenib Nanocomplex in the Lungs and Kidneys of Mice with TAA-Induced HCC. *Biomolecules*, 15(9).

Guennece BE, et al. (2025) Exploring Desmin as a Potential Modifier in Duchenne Muscular Dystrophy-Associated Cardiomyopathy. *Acta physiologica (Oxford, England)*, 241(12), e70117.

Oestereich MA, et al. (2025) Establishing standardized transthoracic echocardiography reference ranges for mouse models: insights into the impact of anesthesia, sex, and age. *Frontiers in cardiovascular medicine*, 12, 1695034.

MacNeil MA, et al. (2025) Mitochondrial-Targeted HDAP2 Preserves Retinal Ganglion Cells and Increases Pressure Tolerance in DBA/2J Mice. *Investigative ophthalmology & visual science*, 66(15), 66.

Ren W, et al. (2025) A tandem repeat atlas for the genome of inbred mouse strains: A genetic variation resource. *iScience*, 28(11), 113703.

Rajan JRS, et al. (2025) Investigating Motor Coordination Using BXD Recombinant Inbred Mice to Model the Genetic Underpinnings of Developmental Coordination Disorder. *Genes, brain, and behavior*, 24(2), e70014.

Kim D, et al. (2025) In Vivo Quantification of Anterior and Posterior Chamber Volumes in Mice: Implications for Aqueous Humor Dynamics. *Investigative ophthalmology & visual science*, 66(1), 18.

Zhang Z, et al. (2025) Gene therapies alleviate absence epilepsy associated with *Scn2a* deficiency in DBA/2J mice. *bioRxiv : the preprint server for biology*.

Ding M, et al. (2025) The hypervirulent Type-1/Type-17 phenotype of *Cryptococcus neoformans* clinical isolates is specific to A/J mice. *Infection and immunity*, 93(4), e0058524.

Tribble JR, et al. (2025) Dysfunctional one-carbon metabolism identifies vitamins B6, B9, B12, and choline as neuroprotective in glaucoma. *Cell reports. Medicine*, 6(5), 102127.

Casas E, et al. (2025) Genetic polymorphisms lead to major, locus-specific, variation in piRNA production in mouse. *The EMBO journal*, 44(14), 4104.

Nayyab S, et al. (2025) Identification of TSSK1 and TSSK2 as Novel Targets for Male Contraception. *Biomolecules*, 15(4).

Hayashi Y, et al. (2025) Empagliflozin reduces liver fibrosis by restoring catechol-O-methyltransferase activity associated with magnesium levels. *Scientific reports*, 15(1), 27310.

Greene S, et al. (2025) A murine model lacking Lyst recapitulates Chediak-Higashi syndrome with an earlier-onset neurodegenerative phenotype. *Communications biology*, 8(1), 1064.