Resource Summary Report

Generated by nidm-terms on Jul 29, 2026

SWR/J

RRID:IMSR_JAX:000689
Type: Organism

Proper Citation

RRID:IMSR_JAX:000689

Organism Information

URL: https://www.jax.org/strain/000689

Proper Citation: RRID:IMSR_JAX:000689

Description: Mus musculus with name SWR/J from IMSR.

Species: Mus musculus

Synonyms: SW. SWR/J-Pde6b. swiss

Notes: gene symbol note: beta-2 microglobulin|hemoglobin beta chain complex|aryl-hydrocarbon receptor|hemolytic complement|disrupted in schizophrenia 1|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide; inbred strain: B2m|Hbb|Ahr|Hc|Disc1|Pde6b

Affected Gene: beta-2 microglobulin|hemoglobin beta chain complex|aryl-hydrocarbon receptor|hemolytic complement|disrupted in schizophrenia 1|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide

Genomic Alteration: a variant|single|d variant|deficient|deletion|retinal degeneration 1

Catalog Number: JAX:000689

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: SWR/J

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260725T044328+0000

Ratings and Alerts

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

No alerts have been found for SWR/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 107 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Carro V??zquez D, et al. (2025) Differential microRNA expression patterns between TallyHo/JngJ mice and non-diabetic Swiss Webster Random/Jackson mice. JBMR plus, 9(1), ziae121.

Alyami KA, et al. (2025) Potential therapeutic effects of ibudilast and retinoic acid against cuprizone-induced behavioral and biochemical changes in mouse brain. Frontiers in molecular neuroscience, 18, 1567226.

Kaminska D, et al. (2025) Genetic and sex-specific regulation of mitochondrial function in gonadal and inguinal adipose tissue. Molecular metabolism, 100, 102227.

Loshouarn H, et al. (2025) Rhodnius prolixus impairs Trypanosoma cruzi growth through cold-seeking behavioral thermoregulation. PLoS neglected tropical diseases, 19(12), e0013811.

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

Der B, et al. (2024) Cadherin adhesion complexes direct cell aggregation in the epithelial transition of Wnt-induced nephron progenitor cells. Development (Cambridge, England), 151(18).

Baker CL, et al. (2024) L-arginine supplementation abrogates hypoxia-induced virulence of Staphylococcus aureus in a murine diabetic pressure wound model. mSphere, 9(3), e0077423.

Agudelo J, et al. (2024) Cefazolin shifts the kidney microbiota to promote a lithogenic environment. Nature communications, 15(1), 10509.

Loshouarn H, et al. (2024) Effects of fasting on the interplay between temperature and Trypanosoma cruzi infection on the life cycle of the Chagas disease vector Rhodnius prolixus. PLoS neglected tropical diseases, 18(11), e0012665.

Alderbi RM, et al. (2024) Neurotherapeutic impact of vanillic acid and ibudilast on the cuprizone model of multiple sclerosis. Frontiers in molecular neuroscience, 17, 1503396.

Vizcarra EA, et al. (2023) An ex vivo model of Toxoplasma recrudescence reveals developmental plasticity of the bradyzoite stage. mBio, 14(5), e0183623.

Liu D, et al. (2023) A Hypothalamic Circuit Underlying the Dynamic Control of Social Homeostasis. bioRxiv : the preprint server for biology.

Ramasubramanian B, et al. (2022) Protective Effects of Chaya against Mitochondrial and Synaptic Toxicities in the Type 2 Diabetes Mouse Model TallyHO. Cells, 11(4).

Miglioranza Scavuzzi B, et al. (2022) The lupus susceptibility allele DRB1*03:01 encodes a disease-driving epitope. Communications biology, 5(1), 751.

Meghnem D, et al. (2022) Peroxisomes Regulate Cellular Free Fatty Acids to Modulate Mast Cell TLR2, TLR4, and IgE-Mediated Activation. Frontiers in cell and developmental biology, 10, 856243.

Romero DM, et al. (2022) Novel role of the synaptic scaffold protein Dlgap4 in ventricular surface integrity and neuronal migration during cortical development. Nature communications, 13(1), 2746.

Kurtz R, et al. (2022) Empagliflozin Treatment Attenuates Hepatic Steatosis by Promoting White Adipose Expansion in Obese TallyHo Mice. International journal of molecular sciences, 23(10).

Mashay Al-Anazi K, et al. (2022) Maternal and developmental toxicity of Bisphenol-A in SWR/J mice. Saudi journal of biological sciences, 29(3), 1543.

Berube BJ, et al. (2022) Characterizing in vivo loss of virulence of an HN878 Mycobacterium tuberculosis isolate from a genetic duplication event. Tuberculosis (Edinburgh, Scotland), 137, 102272.

Zhu Q, et al. (2022) N-Acetylcysteine Enhances the Recovery of Ischemic Limb in Type-2 Diabetic Mice. Antioxidants (Basel, Switzerland), 11(6).