

Resource Summary Report

Generated by [nidm-terms](#) on Jul 30, 2026

C57BLKS/J

RRID:IMSR_JAX:000662

Type: Organism

Proper Citation

RRID:IMSR_JAX:000662

Organism Information

URL: <https://www.jax.org/strain/000662>

Proper Citation: RRID:IMSR_JAX:000662

Description: Mus musculus with name C57BLKS/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/Ks. C57Kaliss. BKS. Black Kaliss J

Notes: gene symbol note: atherosclerosis 6|cadherin related 23 (otocadherin)|hemoglobin beta chain complex|beta-2 microglobulin|aryl-hydrocarbon receptor; inbred strain: Ath6|Cdh23|Hbb|B2m|Ahr

Affected Gene: atherosclerosis 6|cadherin related 23 (otocadherin)|hemoglobin beta chain complex|beta-2 microglobulin|aryl-hydrocarbon receptor

Genomic Alteration: |age related hearing loss 1|single|b variant|b-1 variant

Catalog Number: JAX:000662

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BLKS/J

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260725T044328+0000

Ratings and Alerts

No rating or validation information has been found for C57BLKS/J.

No alerts have been found for C57BLKS/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 506 mentions in open access literature.

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

Xia C, et al. (2025) Gut microbiota's role in the enhancement of type 2 diabetes treatment by a traditional Chinese herbal formula compared to metformin. Microbiology spectrum, 13(5), e0241224.

Liu F, et al. (2025) BRD4 Signaling Maintains the Differentiated State of ? Cells. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(33), e05659.

Wu T, et al. (2025) Investigating the role of the ALPK1 signaling pathway in the pathogenesis of diabetic retinopathy. Scientific reports, 15(1), 33103.

Chen HR, et al. (2025) An Amphibians-Derived Protein Provides Novel Biotherapeutics for Various Wounds Treatment. Biomolecules & therapeutics, 33(2), 399.

Han X, et al. (2025) Cardiomyocyte OTUD1 drives diabetic cardiomyopathy via directly deubiquitinating AMPK?2 and inducing mitochondrial dysfunction. Nature communications, 16(1), 6668.

Li L, et al. (2025) An adeno-associated virus gene therapy strategy for anti-obesity treatment by nanocarrier-based delivery systems. Journal of nanobiotechnology, 23(1), 528.

Castorena-Gonzalez JA, et al. (2025) Chronic metabolic stress impairs lymphatic contractility via activation of KATP channels in a mouse model of Type-2 diabetes. Frontiers in physiology, 16, 1558763.

Yu Z, et al. (2025) DICAR/DICAR-JP exerts therapeutic effects in brain stroke via the miR-361-5p/PRMT1 pathway. Frontiers in pharmacology, 16, 1721188.

Yang Y, et al. (2025) Comprehensive Analysis of Differentially Expressed Profiles of mRNA 5-Methylcytosine Modification in Metabolic Dysfunction-Associated Steatotic Liver Disease. Current issues in molecular biology, 47(5).

Wang L, et al. (2025) Weizmannia coagulans SA9: A Novel Strategy to Alleviate Type 2 Diabetes. Nutrients, 17(13).

Wang P, et al. (2025) Oral Sulforaphane Intervention Protects Against Diabetic Cardiomyopathy in db/db Mice: Focus on Cardiac Lipotoxicity and Substrate Metabolism. *Antioxidants* (Basel, Switzerland), 14(5).

Han B, et al. (2025) A Novel Camel Milk-Derived Peptide LLPK Improves Glucose-Lipid Metabolism in db/db Mice via PPAR Signaling Pathway. *Nutrients*, 17(10).

Wang L, et al. (2025) Integrative RNA-seq and CLIP-seq analysis reveals hnRNP-F regulation of TNF α /NF κ B signaling in high-glucose conditions. *Frontiers in physiology*, 16, 1475441.

Peng J, et al. (2025) Carbonic anhydrase 8 regulates basophil activation and interleukin 4 production. *Frontiers in immunology*, 16, 1694105.

Kang T, et al. (2025) Verbascoside targets endothelial HIF-1 α /Lysyl oxidase signaling to attenuate glomerular injury in diabetic nephropathy. *Redox report : communications in free radical research*, 30(1), 2598110.

Liao L, et al. (2025) The UBR5 protein facilitates mesangial cell hypertrophy and glycolysis induced by high glucose by increasing the phosphorylation levels of AKT. *Acta diabetologica*, 62(9), 1403.

Cheng Y, et al. (2025) Roxadustat regulates the cell cycle and inhibits proliferation of mesangial cells via the hypoxia-inducible factor-1 α /P53/P21 pathway. *Frontiers in cell and developmental biology*, 13, 1503477.

Suzuki H, et al. (2025) Electrophysiological characteristics of neuropathic pain model in mice and a technique to evaluate peripheral nerve damage in the sciatic nerve. *Heliyon*, 11(4), e42879.

Pei X, et al. (2025) Leptin Receptor Deficiency-Associated Diabetes Disrupts Lacrimal Gland Circadian Rhythms and Contributes to Dry Eye Syndrome. *Investigative ophthalmology & visual science*, 66(1), 19.

Qiu S, et al. (2025) Single cell sequencing and spatial multiomics of diabetic kidney segmentation insights zonation-specific therapeutic metabolic pathways. *Cell insight*, 4(3), 100252.