

Resource Summary Report

Generated by [ASWG](#) on Sep 21, 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: aryl-hydrocarbon receptor|cadherin related 23 (otocadherin)|beta-2 microglobulin|hemoglobin beta chain complex|atherosclerosis 6; inbred strain: Ahr|Cdh23|B2m|Hbb|Ath6

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

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

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: 20260919T054809+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 535 mentions in open access literature.

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

Shi G, et al. (2026) Apocynum venetum L. leaves extract inhibits ferroptosis and improves renal fibrosis in diabetic kidney disease by regulating the Nrf2/HO-1 pathway. *Frontiers in pharmacology*, 17, 1807373.

Wang L, et al. (2026) Weight loss by sodium-glucose co-transporter 2 inhibitor canagliflozin is followed by rebound in db/db mice but maintained in fat-fed mice via circadian rises in body temperature and locomotor activity. *The journal of physiological sciences : JPS*, 76(2), 100079.

Li R, et al. (2026) Serum Leptin Exacerbates Osteoarthritis by Promoting Subchondral Bone H-Type Vessel Angiogenesis via Activation of the PI3K/AKT Pathway. *Journal of cellular and molecular medicine*, 30(13), e71232.

Kim JW, et al. (2026) Targeting PGC-1 β by miRNA-374 Simultaneously Improve β -Cell Dysfunction and Suppress Hepatic Glucose Overproduction. *Diabetes & metabolism journal*, 50(3), 535.

Li N, et al. (2026) Total flavonoids of *Abelmoschus manihot* (L.) medic attenuate early renal injury in diabetic kidney disease by modulating the LINC00665/miR-379-5p axis. *Pharmaceutical biology*, 64(1), 351.

Wang Y, et al. (2026) Dual role of miR-21-enriched MSC-derived exosomes in diabetic nephropathy: therapeutic potential versus p53-driven pathogenicity. *BMC nephrology*, 27(1).

Xia W, et al. (2026) Unveiling the TrkA-p35/CDK5 axis: a novel therapeutic target in diabetic kidney disease. *Frontiers in endocrinology*, 17, 1791283.

Sill S, et al. (2026) A novel extracellular flux assay workflow uncovers impaired sciatic nerve mitochondrial respiration in diabetic db/db mice. *Cell communication and signaling : CCS*, 24(1), 58.

Li G, et al. (2026) Spatial Multiomics Analyses Reveal That Diabetes Promotes Pancreatic Cancer Progression by Stimulating Cholesterol-Induced Neutrophil Extracellular Trap

Formation. Cancer research, 86(10), 2327.

Ling M, et al. (2026) The protection of mesenchymal stem cells in metabolic reprogramming and endothelial-mesenchymal transition in diabetic aortas. Stem cells translational medicine, 15(1).

Tian Y, et al. (2026) TRIM27-controlled endothelium-derived exosomes play a central role in podocyte injury in diabetic kidney disease. Cell death discovery, 12(1).

Miterko-Myers LN, et al. (2026) Cerebellar deep brain stimulation rescues Purkinje cell mitochondrial density in a genetic mouse model of cerebellar ataxia. Brain research bulletin, 234, 111704.

Liu J, et al. (2026) Hydroxysafflor Yellow A improves diabetic nephropathy by inhibiting PI3K/AKT/mTOR pathway based on a multidimensional study. Frontiers in medicine, 13, 1747346.

Li XQ, et al. (2026) Circadian Reprogramming of Protein Homeostasis and Glycolipid Metabolism in Diabetic Nephropathy. FASEB bioAdvances, 8(2), e70078.

Yamashiro T, et al. (2026) Negative-Pressure Induces Epithelial-Mesenchymal Transition via Thrombospondin-1 Upregulation in Intact Diabetic Skin. International wound journal, 23(3), e70859.

Liu Z, et al. (2026) Podocyte-Derived Extracellular Vesicles Induce Endothelial Dysfunction by Triggering ER Stress in Glomerular Disease. Journal of extracellular vesicles, 15(3), e70260.

Li H, et al. (2026) Study on the Potential Mechanism of Astragaloside IV on Renoprotection in Db/Db Mice via Network Pharmacology and Experimental Validation. Journal of diabetes research, 2026(1), e5345971.

Jiang Y, et al. (2026) TangShenWeiNing formula alleviates diabetic kidney disease by inhibiting ferroptosis via AMPK pathway in renal tubular epithelial cells. Frontiers in endocrinology, 17, 1749994.

Xu Q, et al. (2026) Identification of diagnostic markers for diabetic kidney disease by weighted gene co-expression network analysis and machine learning. International journal of molecular medicine, 58(1).

Zhang Y, et al. (2026) Small molecule HCY-NBD stabilizes GSTM2 via cys174 sulfenylation to attenuate high glucose induced endothelial cell senescence and calcification. Redox biology, 90, 104058.