

Resource Summary Report

Generated by [ASWG](#) on Sep 23, 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.

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.

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.

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.

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.

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).

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 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.

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).

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.

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.

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

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.