# Resource Summary Report

Generated by ASWG on Sep 20, 2026

## C57BL/10SnJ

RRID:IMSR_JAX:000666
Type: Organism

### Proper Citation

RRID:IMSR_JAX:000666

### Organism Information

**URL:** https://www.jax.org/strain/000666

**Proper Citation:** RRID:IMSR_JAX:000666

**Description:** Mus musculus with name C57BL/10SnJ from IMSR.

**Species:** Mus musculus

**Synonyms:** B10. C57BL10. Black 10 Snell J. B10 Snell J

**Notes:** gene symbol note: ; inbred strain:

**Catalog Number:** JAX:000666

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** C57BL/10SnJ

**Record Creation Time:** 20250513T053620+0000

**Record Last Update:** 20260919T054809+0000

### Ratings and Alerts

No rating or validation information has been found for C57BL/10SnJ.

No alerts have been found for C57BL/10SnJ.

### Data and Source Information

**Source:** Integrated Animals

**Source Database:** JAX Mice and Services

## Usage and Citation Metrics

We found 58 mentions in open access literature.

**Listed below are recent publications.** The full list is available at ASWG .


Liu Y, et al. (2026) Heme-induced activation of the TLR3/TRIF-IFN-I-CCL2 pathway contributes to kidney injury in sickle cell disease. Blood, 147(14), 1624.

St Pierre CL, et al. (2026) Substrain-specific behavioral variation in female C57BL/6 and C57BL/10 mice. Frontiers in behavioral neuroscience, 20, 1805176.

Li N, et al. (2026) Low-dose MyoAAV 2A-mediated delivery of engineered micro-utrophin achieves pan- muscle tissue distribution with elevated muscle function in Duchenne muscular dystrophy. Journal of translational medicine, 24(1).

Zhang RX, et al. (2025) FNDC1 is a myokine that promotes myogenesis and muscle regeneration. The EMBO journal, 44(1), 30.

Southern WM, et al. (2025) Impaired hydrogen sulfide biosynthesis underlies eccentric contraction-induced force loss in dystrophin-deficient skeletal muscle. The Journal of clinical investigation, 135(5).

G??mez Armengol E, et al. (2025) Changes to the Autophagy-Related Muscle Proteome Following Short-Term Treatment with Ectoine in the Duchenne Muscular Dystrophy Mouse Model mdx. International journal of molecular sciences, 26(2).

Han Y, et al. (2025) Niche Macrophages Recycle Iron to Tumor Cells and Foster Erythroblast Mimicry to Promote Bone Metastasis and Anemia. bioRxiv : the preprint server for biology.

Han Y, et al. (2025) Tumors hijack macrophages for iron supply to promote bone metastasis and anemia. Cell.

Vinals DF, et al. (2025) Adjuvants and MHCII modulate the immunogenicity of subdominant epitopes in Plasmodium vivax Duffy binding protein. iScience, 28(10), 113630.

Boccanegra B, et al. (2024) Determination of qPCR reference genes suitable for normalizing gene expression in a novel model of Duchenne muscular dystrophy, the D2-mdx mouse. PloS one, 19(11), e0310714.

Striebel JF, et al. (2024) The prion protein is required for normal responses to light stimuli by photoreceptors and bipolar cells. iScience, 27(10), 110954.

Uryash A, et al. (2023) Smooth Muscle Cells of Dystrophic (mdx) Mice Are More Susceptible to Hypoxia; The Protective Effect of Reducing Ca2+ Influx. Biomedicines,

11(2).

Merckx C, et al. (2022) Description of Osmolyte Pathways in Maturing Mdx Mice Reveals Altered Levels of Taurine and Sodium/Myo-Inositol Co-Transporters. International journal of molecular sciences, 23(6).

Sheppard K, et al. (2022) Stride-level analysis of mouse open field behavior using deep-learning-based pose estimation. Cell reports, 38(2), 110231.

Laurila PP, et al. (2022) Inhibition of sphingolipid de novo synthesis counteracts muscular dystrophy. Science advances, 8(4), eabh4423.

Mortazavi M, et al. (2022) SNPs, short tandem repeats, and structural variants are responsible for differential gene expression across C57BL/6 and C57BL/10 substrains. Cell genomics, 2(3).

Merckx C, et al. (2022) Exploring the Therapeutic Potential of Ectoine in Duchenne Muscular Dystrophy: Comparison with Taurine, a Supplement with Known Beneficial Effects in the mdx Mouse. International journal of molecular sciences, 23(17).

Striebel JF, et al. (2021) Prion-induced photoreceptor degeneration begins with misfolded prion protein accumulation in cones at two distinct sites: cilia and ribbon synapses. Acta neuropathologica communications, 9(1), 17.

Souza SP, et al. (2021) Genetic mapping reveals Nfkbid as a central regulator of humoral immunity to Toxoplasma gondii. PLoS pathogens, 17(12), e1010081.

Lopez JR, et al. (2020) Contribution of TRPC Channels to Intracellular Ca2 + Dyshomeostasis in Smooth Muscle From mdx Mice. Frontiers in physiology, 11, 126.