

Resource Summary Report

Generated by [NIF](#) on Aug 30, 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: 20260829T044909+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 [NIF](#) .

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.