

Resource Summary Report

Generated by [nidm-terms](#) on Jul 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: 20260725T044328+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 55 mentions in open access literature.

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

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).

Gómez 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) Tumors hijack macrophages for iron supply to promote bone metastasis and anemia. Cell.

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.

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).

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

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

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.

Carroll JA, et al. (2020) Prion protein N1 cleavage peptides stimulate microglial interaction with surrounding cells. *Scientific reports*, 10(1), 6654.

Adão-Novaes J, et al. (2020) Substrain-related dependence of Cu(I)-ATPase activity among prion protein-null mice. *Brain research*, 1727, 146550.

Vielma AZ, et al. (2020) Apocynin Treatment Prevents Cardiac Connexin 43 Hemichannels Hyperactivity by Reducing Nitroso-Redox Stress in Mdx Mice. *International journal of molecular sciences*, 21(15).