

# Resource Summary Report

Generated by [NIF](#) on Aug 6, 2026

## C57BL/6NJ

RRID:IMSR\_JAX:005304

Type: Organism

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### Proper Citation

RRID:IMSR\_JAX:005304

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### Organism Information

**URL:** <https://www.jax.org/strain/005304>

**Proper Citation:** RRID:IMSR\_JAX:005304

**Description:** Mus musculus with name C57BL/6NJ from IMSR.

**Species:** Mus musculus

**Synonyms:** Black 6N. C57BL/6NCrJ. B6N

**Notes:** gene symbol note: crumbs family member 1; photoreceptor morphogenesis associated|NLR family; pyrin domain containing 12|cytochrome c oxidase subunit 7A2 like|Deletion; Chr 13; NIH 1|cytoplasmic FMR1 interacting protein 2; inbred strain: Crb1|Nlrp12|Cox7a2|Del(13)1N|Cyfip2

**Affected Gene:** crumbs family member 1; photoreceptor morphogenesis associated|NLR family; pyrin domain containing 12|cytochrome c oxidase subunit 7A2 like|Deletion; Chr 13; NIH 1|cytoplasmic FMR1 interacting protein 2

**Genomic Alteration:** retinal degeneration 8|C57BL/6N|short|Deletion; Chr 13; NIH 1|mutation 1; National Institutes of Health

**Catalog Number:** JAX:005304

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** C57BL/6NJ

**Record Creation Time:** 20250513T053649+0000

**Record Last Update:** 20260801T050353+0000

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## Ratings and Alerts

No rating or validation information has been found for C57BL/6NJ.

No alerts have been found for C57BL/6NJ.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 529 mentions in open access literature.

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

Yokomura M, et al. (2026) Afatinib exerts an inhibitory effect on T cell-mediated cytotoxicity. *Cancer immunology, immunotherapy : CII*, 75(1), 33.

Lewis KN, et al. (2026) Oligodendroglial Densities and Myelin Structure Are Altered in TDP-43 Related Amyotrophic Lateral Sclerosis. *Glia*, 74(1), e70090.

Marteau V, et al. (2026) Single-cell integration and multi-modal profiling reveals phenotypes and spatial organization of neutrophils in colorectal cancer. *Cancer cell*, 44(1), 146.

Bae JW, et al. (2025) Cortical VIP neurons as a critical node for dopamine actions. *Science advances*, 11(1), eadn3221.

Ranea-Robles P, et al. (2025) Time-Resolved Effects of Short-term Overfeeding on Energy Balance in Mice. *Diabetes*, 74(4), 502.

VanPortfliet JJ, et al. (2025) Caspase-11 drives macrophage hyperinflammation in models of Polg-related mitochondrial disease. *Nature communications*, 16(1), 4640.

Smith GJ, et al. (2025) Evaluating the role of alveolar macrophages in tolerance to ozone. *Toxicological sciences : an official journal of the Society of Toxicology*, 207(2), 487.

Lv G, et al. (2025) Amyloid fibril structures link CHCHD10 and CHCHD2 to neurodegeneration. *Nature communications*, 16(1), 7121.

Bovee CE, et al. (2025) Transcriptional Response to Fasting Studied in the Liver of Mice That Express Phosphorylation Resistant Perilipin 5. *Endocrinology*, 166(6).

Senapati S, et al. (2025) Human Wild-Type  $\tau$ -Synuclein Drives Progressive Tau Pathology in a Disease-Relevant Mouse Model of Synucleinopathy. *Research square*.

Barr HJ, et al. (2025) The circadian clock regulates scavenging of fluid-borne substrates by brain border-associated macrophages. *bioRxiv : the preprint server for biology*.

Park JS, et al. (2025) A1AT dysregulation of metabolically stressed hepatocytes by Kupffer cells drives MASH and fibrosis. *Experimental & molecular medicine*, 57(2), 450.

Jimenez DA, et al. (2025) Tissue-Specific Effects of the DNA Helicase FANCI/BRIP1/BACH1 on Repeat Expansion in a Mouse Model of the Fragile X-Related Disorders. *International journal of molecular sciences*, 26(6).

Tinke RA, et al. (2025) BATF2 is a regulator of interferon- $\gamma$  signaling in astrocytes during neuroinflammation. *Cell reports*, 44(3), 115393.

Crouzet C, et al. (2025) Cerebrovascular alterations in a mouse model of late-onset Alzheimer's disease. *Neurophotonics*, 12(Suppl 1), S14614.

Aigner B, et al. (2025) Variability of test parameters from mice of different age groups in published data sets. *PloS one*, 20(8), e0329357.

Keerie AF, et al. (2025) M102 activates both NRF2 and HSF1 transcription factor pathways and is neuroprotective in cell and animal models of amyotrophic lateral sclerosis. *Molecular neurodegeneration*, 20(1), 118.

Mukherjee S, et al. (2025) Hepatocyte mitochondrial NAD<sup>+</sup> content is limiting for liver regeneration. *Nature metabolism*, 7(12), 2424.

Fakih HH, et al. (2025) Albumin-binding dendrimer-conjugated siRNA enables safe and effective gene silencing throughout the central nervous system. *bioRxiv : the preprint server for biology*.

Oestereich MA, et al. (2025) Establishing standardized transthoracic echocardiography reference ranges for mouse models: insights into the impact of anesthesia, sex, and age. *Frontiers in cardiovascular medicine*, 12, 1695034.