

Resource Summary Report

Generated by [nidm-terms](#) on Jul 30, 2026

C3HeB/FeJ

RRID:IMSR_JAX:000658

Type: Organism

Proper Citation

RRID:IMSR_JAX:000658

Organism Information

URL: <https://www.jax.org/strain/000658>

Proper Citation: RRID:IMSR_JAX:000658

Description: Mus musculus with name C3HeB/FeJ from IMSR.

Species: Mus musculus

Synonyms: C3Fe. HeB. C3H Fekete

Notes: gene symbol note: phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|susceptibility to tuberculosis 1|beta-2 microglobulin; inbred strain: Pde6b|Sst1|B2m

Affected Gene: phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|susceptibility to tuberculosis 1|beta-2 microglobulin

Genomic Alteration: retinal degeneration 1|C3HeB/FeJ|a variant

Catalog Number: JAX:000658

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C3HeB/FeJ

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260725T044328+0000

Ratings and Alerts

No rating or validation information has been found for C3HeB/FeJ.

No alerts have been found for C3HeB/FeJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 357 mentions in open access literature.

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

Shearer AE, et al. (2025) Endocochlear potential contributes to hair cell death in TMPRSS3 hearing loss. The Journal of clinical investigation, 135(18).

Branchett WJ, et al. (2025) Type I IFN drives neutrophil swarming, impeding lung T cell-macrophage interactions and TB control. The Journal of experimental medicine, 222(12).

Yabaji SM, et al. (2025) Lipid peroxidation and type I interferon coupling fuels pathogenic macrophage activation causing tuberculosis susceptibility. eLife, 14.

Singh M, et al. (2025) Proapoptotic Bcl-2 inhibitor as potential host directed therapy for pulmonary tuberculosis. Nature communications, 16(1), 3003.

Beltran CGG, et al. (2025) Correlative 3D imaging method for analysing lesion architecture in susceptible mice infected with Mycobacterium tuberculosis. Disease models & mechanisms, 18(9).

Masias-Leon Y, et al. (2025) Dynamic 11C-Para-Aminobenzoic Acid Positron Emission Tomography/Computed Tomography for Visualizing Pulmonary Mycobacteroides abscessus Infections. American journal of respiratory and critical care medicine, 211(7), 1253.

Hellman AF, et al. (2025) Distinct bone metabolic networks identified in Phospho1-/- mice vs. wild type mice using [18F]FDG total-body PET. Frontiers in medicine, 12, 1597844.

Amin R, et al. (2025) Mitochondrial dysfunction in Wilson disease: a systematic review and meta-analysis across human and animal models. Frontiers in molecular biosciences, 12, 1712573.

Karakitsios E, et al. (2025) Extrapolation of lung pharmacokinetics of bedaquiline across species using physiologically-based pharmacokinetic modelling. British journal of clinical pharmacology, 91(11), 3167.

Shaw TD, et al. (2025) C3HeB/FeJ mice with chronic Mycobacterium avium complex pulmonary infection exhibit impaired respiratory function but not necrotising

granulomatous disease. *Mycobacteria* (London, England), 1(1), 4.

Liu D, et al. (2025) APOE protects against severe infection with *Mycobacterium tuberculosis* by restraining production of neutrophil extracellular traps. *PLoS pathogens*, 21(6), e1013267.

Beurg M, et al. (2025) Hair cell apoptosis and deafness in *Tmc1* mutations. *Proceedings of the National Academy of Sciences of the United States of America*, 122(12), e2425215122.

Chen MH, et al. (2025) The Genetic Elements of the Obesity Paradox in Atherosclerosis Identified in an Intercross Between Hyperlipidemic Mouse Strains. *International journal of molecular sciences*, 26(9).

Sahu S, et al. (2025) Fundamental role of spatial positioning of *Mycobacterium tuberculosis* in mycobacterial survival in macrophages. *Nature communications*, 16(1), 9368.

Poh XY, et al. (2025) MMPs and NETs are detrimental in CNS-tuberculosis with MMP Inhibition in CNS-tuberculosis mice improving survival. *Journal of neuroinflammation*, 22(1), 230.

Oestereicher 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.

Doctrove Q, et al. (2025) Protein family FAM241 in human and mouse. *Mammalian genome : official journal of the International Mammalian Genome Society*, 36(1), 83.

Hadrian K, et al. (2025) Effect of primary copper metabolism disturbance on elemental, protein, and lipid composition of the organs in Jackson toxic milk mouse. *Biometals : an international journal on the role of metal ions in biology, biochemistry, and medicine*, 38(1), 103.

Casas E, et al. (2025) Genetic polymorphisms lead to major, locus-specific, variation in piRNA production in mouse. *The EMBO journal*, 44(14), 4104.

Yabaji SM, et al. (2025) Aberrant macrophage activation and maladaptive lung repair promote tuberculosis progression uniquely in the lung. *bioRxiv : the preprint server for biology*.