

Resource Summary Report

Generated by [NIF](#) on Sep 4, 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|beta-2 microglobulin|susceptibility to tuberculosis 1; inbred strain: Pde6b|B2m|Sst1

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

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

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: 20260829T044909+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 384 mentions in open access literature.

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

Chen X, et al. (2026) Addition of Clofazimine Enhances the Activity of Standard Treatment Regimen in a Mouse Model of Tuberculous Meningitis. *The Journal of infectious diseases*, 234(1), e195.

Jain S, et al. (2026) Host-directed treatments for tuberculous meningitis: A multi-platform approach across mouse and human models. *Research square*.

Chen X, et al. (2026) Beyond Rifampin: Evaluating Rifapentine and Rifabutin as Alternative Treatments for Tuberculous Meningitis. *The Journal of infectious diseases*, 234(1), e170.

Mariani JN, et al. (2026) Charting the transition from in vitro gliogenesis to the in vivo maturation of human glial progenitor cells transplanted into the hypomyelinated mouse brain. *Nature communications*, 17(1).

Shamskhov EA, et al. (2026) Monocytic niches escape T cell surveillance and promote *Mycobacterium tuberculosis* persistence in lymph nodes. *Immunity*.

Munisha M, et al. (2026) Chronic replication stress-mediated genomic instability disrupts placenta development in mice. *PLoS genetics*, 22(4), e1012111.

Iyer SH, et al. (2026) A Longitudinal Study of the Effects of Ketogenic Diet on Seizures, Cardiorespiration, Sleep Architecture and Mortality in the Kv1.1 Knockout Mouse Model of Sudden Unexpected Death in Epilepsy (SUDEP). *Nutrients*, 18(5).

Chen K, et al. (2026) Culture media affects accuracy of prediction of metallo-β-lactamases mediated resistance to imipenem. *PLoS one*, 21(1), e0341347.

Warrier T, et al. (2026) Diaryl-Aminoindazole with Extensive In Vitro Mycobactericidal Activity Dependent on Exposure to Reactive Nitrogen Species. *ACS infectious diseases*, 12(2), 705.

Jovanovic A, et al. (2026) Large-scale testing of antimicrobial lethality at single-cell resolution predicts mycobacterial infection outcomes. *Nature microbiology*, 11(2), 566.

Karanika S, et al. (2026) Immunotherapy targeting drug-tolerant *Mycobacterium tuberculosis* persists accelerates tuberculosis cure in preclinical models. *The Journal of clinical investigation*, 136(7).

Romero-Gonzalez M, et al. (2026) Colistin-stabilized antisolvent precipitation enables engineering of microcrystalline niclosamide for inhalable composite powders. *International journal of pharmaceutics*, 695, 126791.

Cleveland DW, et al. (2026) *Borrelia mayonii* induces carditis but not arthritis in Lyme-susceptible mice. *Frontiers in immunology*, 17, 1727413.

Hikichi H, et al. (2026) Strain-dependent disease progression and necrotizing granuloma formation in a murine model induced by virulent strains of *Mycobacterium avium* complex. *Microbiology spectrum*, 14(5), e0312825.

Chen Z, et al. (2026) Strain-specific persistence of *Burkholderia cenocepacia* in the C3HeB/FeJ mouse model of pulmonary infection. *Journal of medical microbiology*, 75(4).

Jaramillo H, et al. (2026) Characterizing the in vitro and in vivo effect of bicarbonate on azithromycin activity against *Acinetobacter baumannii*. *PloS one*, 21(6), e0350230.

Cardona PJ, et al. (2026) Reinfection as a central constraint on tuberculosis vaccine development. *Frontiers in immunology*, 17, 1807344.

Ivie JJ, et al. (2026) Modulation of Ferroptosis During Early *Mycobacterium tuberculosis* Infection Contributes to Beijing Lineage Strain SA161 Virulence. *bioRxiv : the preprint server for biology*.

Duffy FJ, et al. (2026) Single-cell profiling reveals that dynamic lung immune responses distinguish protection from susceptibility to tuberculosis. *PLoS pathogens*, 22(4), e1013635.

Heruye SH, et al. (2026) Targeted Reduction of Excessive Mitochondrial Superoxide by Mitoquinone Rescues Cognitive Impairment Without Affecting Spontaneous Recurrent Seizures in a Mouse Model of Temporal Lobe Epilepsy. *Antioxidants (Basel, Switzerland)*, 15(2).