

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

C3H/HeOuJ

RRID:IMSR_JAX:000635

Type: Organism

Proper Citation

RRID:IMSR_JAX:000635

Organism Information

URL: <https://www.jax.org/strain/000635>

Proper Citation: RRID:IMSR_JAX:000635

Description: Mus musculus with name C3H/HeOuJ from IMSR.

Species: Mus musculus

Synonyms: C3H Outzen. C3Ou

Notes: gene symbol note: phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide;
inbred strain: Pde6b

Affected Gene: phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide

Genomic Alteration: retinal degeneration 1

Catalog Number: JAX:000635

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C3H/HeOuJ

Record Creation Time: 20250513T053619+0000

Record Last Update: 20260829T044917+0000

Ratings and Alerts

No rating or validation information has been found for C3H/HeOuJ.

No alerts have been found for C3H/HeOuJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 163 mentions in open access literature.

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

Zwaan W, et al. (2026) Exploring the Immunomodulatory Effects of Agaricus bisporus Strains Using In Vitro and In Vivo Murine Models. *Nutrients*, 18(4).

Azarmi M, et al. (2026) Co-trimoxazole-induced reproductive toxicity and placental-barrier disruption: impact on cell-cell junctions and ERK signaling pathway. *Frontiers in cell and developmental biology*, 14, 1800328.

Engel A, et al. (2025) A spatio-temporal brain miRNA expression atlas identifies sex-independent age-related microglial driven miR-155-5p increase. *Nature communications*, 16(1), 4588.

Ajith A, et al. (2025) Progression to fibrosis and hepatocellular carcinoma in DEN CCl₄ liver mice, is associated with macrophage and striking regulatory T cells infiltration. *Frontiers in immunology*, 16, 1601215.

Riillo C, et al. (2025) Bergamot Polyphenols Reduce Hepatic Lipogenesis While Boosting Autophagy and Short-Chain Fatty Acid Production in a Murine "Cafeteria" Model of MASLD. *Nutrients*, 17(23).

Rebi??re C, et al. (2025) Combined pharmacological targeting of CD9+ progenitors alleviates obesity-induced adipose tissue fibrosis and metabolic impairment. *Cell reports. Medicine*, 6(7), 102197.

Akyel YK, et al. (2025) Time of Day-Dependent Responses to Cisplatin Treatment in a Male Mouse Model of Hepatoma. *Journal of biological rhythms*, 40(5), 441.

Liu J, et al. (2025) Mechanisms of tumor heterogeneity in TACE-resistant liver cancer: Insights from single-cell and whole-exome sequencing. *Hepatology communications*, 9(7).

Gkioni L, et al. (2025) The geroprotectors trametinib and rapamycin combine additively to extend mouse healthspan and lifespan. *Nature aging*, 5(7), 1249.

Baker E, et al. (2025) Bone Loss and TLR4 Signals Contribute Independently to B Lineage Aging. *Aging cell*, 24(12), e70267.

Engel A, et al. (2025) A spatio-temporal brain miRNA expression atlas identifies sex-independent age-related microglial driven miR-155-5p increase. *bioRxiv : the preprint*

server for biology.

Tian X, et al. (2025) TLR4 modulates simvastatin's impact on HDL cholesterol and glycemic control. *Frontiers in pharmacology*, 16, 1655873.

Butylina M, et al. (2025) Comparison of gene expression of bone regulators and bone microstructure in 20 weeks old female mice of two different strains (C57BL/6J and C3H/HeOuJ). *JBMR plus*, 9(3), ziaf004.

Zhang P, et al. (2024) Inhibition of S6K lowers age-related inflammation and increases lifespan through the endolysosomal system. *Nature aging*, 4(4), 491.

Alugupalli KR, et al. (2024) A TLR4 ligand-based adjuvant for promoting the immunogenicity of typhoid subunit vaccines. *Frontiers in immunology*, 15, 1383476.

Schwartz L, et al. (2024) Insulin receptor signaling engages bladder urothelial defenses that limit urinary tract infection. *Cell reports*, 43(4), 114007.

Majumder S, et al. (2024) Toll-like receptor 4 mutation mitigates gut microbiota-mediated hypertensive kidney injury. *Pharmacological research*, 206, 107303.

Ginno PA, et al. (2024) Single-mitosis dissection of acute and chronic DNA mutagenesis and repair. *Nature genetics*, 56(5), 913.

Chyb M, et al. (2024) Immunogenicity and protective efficacy of recombinant chimeric antigens based on surface proteins of *Toxoplasma gondii*. *Frontiers in immunology*, 15, 1480349.

Schwartz L, et al. (2024) Insulin receptor orchestrates kidney antibacterial defenses. *Proceedings of the National Academy of Sciences of the United States of America*, 121(29), e2400666121.