

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

C3D2F1/J

RRID:IMSR_JAX:100004

Type: Organism

Proper Citation

RRID:IMSR_JAX:100004

Organism Information

URL: <https://www.jax.org/strain/100004>

Proper Citation: RRID:IMSR_JAX:100004

Description: Mus musculus with name C3D2F1/J from IMSR.

Species: Mus musculus

Synonyms: (C3H/HeJ x DBA/2J)F1/J. (C3H/HeJ x DBA/2J)F1/J

Notes: gene symbol note: ; unclassified:

Catalog Number: JAX:100004

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C3D2F1/J

Record Creation Time: 20250513T053915+0000

Record Last Update: 20260725T044606+0000

Ratings and Alerts

No rating or validation information has been found for C3D2F1/J.

No alerts have been found for C3D2F1/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Roddy GW, et al. (2025) Subconjunctival Administration of an Adeno-Associated Virus Expressing Stanniocalcin-1 Provides Sustained Intraocular Pressure Reduction in Mice. *Ophthalmology science*, 5(1), 100590.

Katagiri D, et al. (2024) Endothelial eNOS deficiency causes podocyte injury through NFAT2 and heparanase in diabetic mice. *Scientific reports*, 14(1), 29179.

Ge P, et al. (2024) A Computationally Optimized Broadly Reactive Hemagglutinin and Neuraminidase Vaccine Boosts Antibody-Secreting Cells and Induces a Robust Serological Response, Preventing Lung Damage in a Pre-Immune Model. *Vaccines*, 12(7).

Poljak L, et al. (2024) Ceftriaxone Inhibits Conditioned Fear and Compulsive-like Repetitive Marble Digging without Central Nervous System Side Effects Typical of Diazepam-A Study on DBA2/J Mice and a High-5HT Subline of Wistar-Zagreb 5HT Rats. *Biomedicines*, 12(8).

Brown AK, et al. (2024) Physical Resilience as a Predictor of Lifespan and Late-Life Health in Genetically Heterogeneous Mice. *The journals of gerontology. Series A, Biological sciences and medical sciences*, 79(1).

Endicott SJ, et al. (2020) Inhibition of class I PI3K enhances chaperone-mediated autophagy. *The Journal of cell biology*, 219(12).

Herrera JJ, et al. (2020) Acarbose has sex-dependent and -independent effects on age-related physical function, cardiac health, and lipid biology. *JCI insight*, 5(21).

Strong R, et al. (2020) Rapamycin-mediated mouse lifespan extension: Late-life dosage regimes with sex-specific effects. *Aging cell*, 19(11), e13269.

Smith BJ, et al. (2019) Changes in the gut microbiome and fermentation products concurrent with enhanced longevity in acarbose-treated mice. *BMC microbiology*, 19(1), 130.

Cheng CJ, et al. (2019) Genetically heterogeneous mice exhibit a female survival advantage that is age- and site-specific: Results from a large multi-site study. *Aging cell*, 18(3), e12905.

Harrison DE, et al. (2019) Acarbose improves health and lifespan in aging HET3 mice. *Aging cell*, 18(2), e12898.

Garratt M, et al. (2018) Male lifespan extension with 17- β estradiol is linked to a sex-specific metabolomic response modulated by gonadal hormones in mice. *Aging cell*, 17(4), e12786.

Garratt M, et al. (2017) Sex differences in lifespan extension with acarbose and 17- β estradiol: gonadal hormones underlie male-specific improvements in glucose tolerance and mTORC2 signaling. *Aging cell*, 16(6), 1256.

Strong R, et al. (2016) Longer lifespan in male mice treated with a weakly estrogenic agonist, an antioxidant, an α -glucosidase inhibitor or a Nrf2-inducer. *Aging cell*, 15(5), 872.

Dodds SG, et al. (2016) Adaptations to chronic rapamycin in mice. *Pathobiology of aging & age related diseases*, 6, 31688.

Harrison DE, et al. (2014) Acarbose, 17- β -estradiol, and nordihydroguaiaretic acid extend mouse lifespan preferentially in males. *Aging cell*, 13(2), 273.