

Resource Summary Report

Generated by [dkNET](#) on Aug 10, 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: 20260808T051107+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 18 mentions in open access literature.

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

Moore SJ, et al. (2026) Acarbose improves cognitive function in a mouse model of normal aging but not Alzheimer's disease. bioRxiv : the preprint server for biology.

Fanti M, et al. (2026) Methionine-supplemented longevity diet increases growth hormone, GLP-1, and FGF21; reduces frailty; and promotes healthspan. Cell metabolism, 38(8), 1579.

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.

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).

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).

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.

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.

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.

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.