

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

FVB-Tg(Ddx4-cre)1Dcas/J

RRID:IMSR_JAX:006954

Type: Organism

Proper Citation

RRID:IMSR_JAX:006954

Organism Information

URL: <https://www.jax.org/strain/006954>

Proper Citation: RRID:IMSR_JAX:006954

Description: Mus musculus with name FVB-Tg(Ddx4-cre)1Dcas/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: DEAD box helicase 4|transgene insertion 1; Diego H Castrillon|; coisogenic strain|mutant strain: Ddx4|Tg(Ddx4-cre)1Dcas|

Affected Gene: DEAD box helicase 4|transgene insertion 1; Diego H Castrillon|

Genomic Alteration: transgene insertion 1; Diego H Castrillon

Catalog Number: JAX:006954

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: FVB-Tg(Ddx4-cre)1Dcas/J

Record Creation Time: 20250513T053700+0000

Record Last Update: 20260829T044952+0000

Ratings and Alerts

No rating or validation information has been found for FVB-Tg(Ddx4-cre)1Dcas/J.

No alerts have been found for FVB-Tg(Ddx4-cre)1Dcas/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 [NIF](#) .

Wen Y, et al. (2024) hnRNPU is required for spermatogonial stem cell pool establishment in mice. Cell reports, 43(4), 114113.

Miao X, et al. (2023) Replication Protein A1 is essential for DNA damage repair during mammalian oogenesis. bioRxiv : the preprint server for biology.

Weinberg-Shukron A, et al. (2022) Balanced gene dosage control rather than parental origin underpins genomic imprinting. Nature communications, 13(1), 4391.

Kasatkina LA, et al. (2022) Optogenetic manipulation and photoacoustic imaging using a near-infrared transgenic mouse model. Nature communications, 13(1), 2813.

Sun S, et al. (2022) Znhit1 controls meiotic initiation in male germ cells by coordinating with Stra8 to activate meiotic gene expression. Developmental cell, 57(7), 901.

Mendel M, et al. (2021) Splice site m6A methylation prevents binding of U2AF35 to inhibit RNA splicing. Cell, 184(12), 3125.

Boyer A, et al. (2021) Constitutive activation of CTNNB1 results in a loss of spermatogonial stem cell activity in mice. PloS one, 16(5), e0251911.

Osborne JK, et al. (2021) Lin28 paralogs regulate lung branching morphogenesis. Cell reports, 36(3), 109408.

Cheng EC, et al. (2021) The Essential Function of SETDB1 in Homologous Chromosome Pairing and Synapsis during Meiosis. Cell reports, 34(1), 108575.

Li X, et al. (2019) Genome-wide identification and characterization of long noncoding and circular RNAs in germline stem cells. Scientific data, 6(1), 8.

Gob?? C, et al. (2019) Dual role of DMXL2 in olfactory information transmission and the first wave of spermatogenesis. PLoS genetics, 15(2), e1007909.

Zagore LL, et al. (2019) Efficient GFP-labeling and analysis of spermatogenic cells using the IRG transgene and flow cytometry. Genesis (New York, N.Y. : 2000), 57(4), e23283.

Schaffler ED, et al. (2018) UXT is required for spermatogenesis in mice. PloS one, 13(4), e0195747.

Jamin SP, et al. (2017) EXOSC10/Rrp6 is post-translationally regulated in male germ cells and controls the onset of spermatogenesis. *Scientific reports*, 7(1), 15065.

Li X, et al. (2017) Systematic identification and comparison of expressed profiles of lncRNAs and circRNAs with associated co-expression and ceRNA networks in mouse germline stem cells. *Oncotarget*, 8(16), 26573.

Taft RA, et al. (2013) The perfect host: a mouse host embryo facilitating more efficient germ line transmission of genetically modified embryonic stem cells. *PloS one*, 8(7), e67826.