

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

FVB/NJ

RRID:IMSR_JAX:001800

Type: Organism

Proper Citation

RRID:IMSR_JAX:001800

Organism Information

URL: <https://www.jax.org/strain/001800>

Proper Citation: RRID:IMSR_JAX:001800

Description: Mus musculus with name FVB/NJ from IMSR.

Species: Mus musculus

Synonyms: FVB. Friend Virus B NIH Jackson

Notes: gene symbol note: MX dynamin-like GTPase 1|Friend virus susceptibility 1|hemolytic complement|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|beaded filament structural protein 2; phakinin|G protein-coupled receptor 84|mitochondrially encoded ATP synthase 8|TYRO3 protein tyrosine kinase 3|cytochrome c oxidase subunit 7A2 like|disrupted in schizophrenia 1|latent transforming growth factor beta binding protein 4; inbred strain: Mx1|Fv1|Hc|Pde6b|Bfsp2|Gpr84|mt-Atp8|Tyro3|Cox7a2|Disc1|Ltbp4

Affected Gene: MX dynamin-like GTPase 1|Friend virus susceptibility 1|hemolytic complement|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|beaded filament structural protein 2; phakinin|G protein-coupled receptor 84|mitochondrially encoded ATP synthase 8|TYRO3 protein tyrosine kinase 3|cytochrome c oxidase subunit 7A2 like|disrupted in schizophrenia 1|latent transforming growth factor beta binding protein 4

Genomic Alteration: myxovirus susceptibility 1||deficient|retinal degeneration 1|Dundee|deletion|mutation 1|long|Duchenne modifier 1 susceptible

Catalog Number: JAX:001800

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: FVB/NJ

Record Creation Time: 20250513T053627+0000

Record Last Update: 20260801T050333+0000

Ratings and Alerts

- Used for genotyping by the Human Islet Research Network community. Contact(s): [Seung Kim](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for FVB/NJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3751 mentions in open access literature.

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

Kim H, et al. (2026) Myelin antigen capture in the CNS by B cells expressing EBV latent membrane protein 1 leads to demyelinating lesion formation. Cell.

Tang S, et al. (2026) Hippocampus-targeted BDNF gene therapy to rescue cognitive impairments of Alzheimer's disease in multiple mouse models. Genes & diseases, 13(2), 101649.

Lasse Opsahl EL, et al. (2026) Fibroblast STAT3 Activation Drives Organ-Specific Premetastatic Niche Formation. Cancer research, 86(1), 22.

Korangath P, et al. (2026) Nanoparticle retention enables non-invasive detection of metastases by magnetic particle imaging in murine breast cancer models. Theranostics, 16(5), 2136.

Li YR, et al. (2025) Long-Term Latency of Highly Mutated Cells in Normal Mouse Skin Is Reversed by Exposure to Tumor Promoters and Chronic Tissue Damage. Cancer discovery, 15(6), 1115.

Spartz A, et al. (2025) Modeling the role of urokinase plasminogen activator, uPA, and circulating Cancer-Associated Fibroblasts (cCAFS) in breast cancer cell extravasation. bioRxiv : the preprint server for biology.

Haynes ME, et al. (2025) PMN recruitment in inflammatory lung injury models follows classical transendothelial migration paradigms requiring PECAM-1 and CD99. *American journal of physiology. Lung cellular and molecular physiology*, 329(1), L112.

Xing YL, et al. (2025) BRAF/MEK inhibition induces cell state transitions boosting immune checkpoint sensitivity in BRAFV600E-mutant glioma. *Cell reports. Medicine*, 6(6), 102183.

Liu WH, et al. (2025) Overcoming NK-mediated rejection by anti-3rd-party central memory veto CD8 T cells through downregulation of DNAM-1 on alloreactive NK cells. *Cell reports*, 44(5), 115674.

He X, et al. (2025) Lysine vitcylation is a vitamin C-derived protein modification that enhances STAT1-mediated immune response. *Cell*, 188(7), 1858.

Bloomer H, et al. (2025) Triple-Negative Breast Cancer Cells Activate Sensory Neurons via TRPV1 to Drive Nerve Outgrowth and Tumor Progression. *bioRxiv : the preprint server for biology*.

Ramos SA, et al. (2025) Improved conditioning for hematopoietic chimerism induces islet tolerance to cure diabetes. *bioRxiv : the preprint server for biology*.

Kirthika P, et al. (2025) Off-pore Nucleoporin sPOM121 Transcriptionally Propels ?-Catenin-driven Tumor Progression and Immune Escape in Prostate Cancer. *Cancer discovery*, 15(11), 2374.

Hawsawi O, et al. (2025) Mitochondrial uncouplers inhibit oncogenic E2F1 activity and prostate cancer growth. *Cell reports. Medicine*, 6(1), 101890.

Teng Y, et al. (2025) Protocol for generating splice isoform-specific mouse mutants using CRISPR-Cas9 and a minigene splicing reporter. *STAR protocols*, 6(1), 103543.

Trigg NA, et al. (2025) Epididymal extracellular vesicles harbor and convey mRNA to sperm for transfer to zygotes. *bioRxiv : the preprint server for biology*.

Kim M, et al. (2025) SALL4 Is Required for YAP1-Dependent Malignant and Regenerative Hepatocyte-to-Cholangiocyte Reprogramming. *Cancer research communications*, 5(9), 1714.

Gaballa JM, et al. (2025) Interleukin-1 signaling and CD4+ T cells control B cell recruitment to the lungs in chronic beryllium disease. *Frontiers in immunology*, 16, 1479348.

Zhu X, et al. (2025) Identification of Meibomian gland stem cell populations and mechanisms of aging. *Nature communications*, 16(1), 1663.

Alzubi MA, et al. (2025) PSMA antibody, humanized PSMA.CAR10.3, or Cetuximab increases prostate cancer localization of NF- κ B p50-deficient immature myeloid cells (p50-IMC) and phagocytosis by their macrophage progeny. *Cancer immunology, immunotherapy : CII*, 74(3), 95.