

Resource Summary Report

Generated by [ASWG](#) on Sep 5, 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|TYRO3 protein tyrosine kinase 3|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|G protein-coupled receptor 84|Friend virus susceptibility 1|disrupted in schizophrenia 1|cytochrome c oxidase subunit 7A2 like|mitochondrially encoded ATP synthase 8|beaded filament structural protein 2; phakinin|latent transforming growth factor beta binding protein 4|hemolytic complement; inbred strain: Mx1|Tyro3|Pde6b|Gpr84|Fv1|Disc1|Cox7a2|mt-Atp8|Bfsp2|Ltbp4|Hc

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

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

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: 20260905T044405+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 3919 mentions in open access literature.

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

Panzeri I, et al. (2026) Chronic High-Fat Diet Does Not Alter Overall Cancer Incidence in Trp53R270H/+ Mice. Cancer research communications, 6(6), 1336.

Ager CR, et al. (2026) Neoadjuvant Fc-enhanced anti-CTLA-4 targets Tregs to augment androgen deprivation in high-risk prostate cancer: A randomized phase I trial. Cell reports. Medicine, 7(3), 102638.

Leu JS, et al. (2026) Combined inhibition of S100A4 and TIGIT suppresses late-stage breast cancer metastasis. Cancer letters, 649, 218491.

Hu M, et al. (2026) Activated T cell extracellular vesicle DNA transfer enhances antigen presentation and anti-tumor immunity. Cancer cell, 44(5), 965.

Wang L, et al. (2026) The circadian gene Dec2 promotes pancreatic cancer progression and dormancy through immune evasion. Developmental cell, 61(6), 1208.

Pope AN, et al. (2026) Brief pulses of high-level fluid shear stress enhance metastatic potential and rapidly alter the metabolism of cancer cells. Cell reports, 45(2), 116908.

Christenson JL, et al. (2026) Metastasis-Associated Wound Repair Promotes Reciprocal Lung Epithelium Activation and Breast Cancer Metastatic Outgrowth. Cancer research communications, 6(4), 750.

Wang L, et al. (2026) Ets1-regulated endothelial-secreted factors promote compact myocardial growth and contribute to the pathogenesis of ventricular non-compaction. *Cardiovascular research*, 122(1), 50.

Cheng K, et al. (2026) Peptide-functionalized membrane camouflage for endogenous H₂S-induced photothermal immunotherapy of orthotopic colorectal cancer. *Nature communications*, 17(1), 168.

King RE, et al. (2026) Mouse Vocal Fold Permeability In Vivo: Effects of Novel Low-Tech Injury and Instillation Methods. *The Laryngoscope*, 136(4), 1846.

Kim A, et al. (2026) A Gut-Restricted Liver X Receptor Agonist Ameliorates Liver Injury in Experimental Short Bowel Syndrome. *Gastroenterology*, 170(5), 1017.

Liu XZ, et al. (2026) Targeting the Lipid Metabolism Proteins FASN and GPAM in Alveolar Type II Cells Decreases Lung Metastasis. *Cancer discovery*, 16(7), 1412.

Ibanez-Vega J, et al. (2026) RASA2 deletion rescues immune synapse dysfunction, enhancing CAR T cell efficacy against DMGs. *Journal for immunotherapy of cancer*, 14(3).

Xiang D, et al. (2026) LSD1 ablation promotes mammary tumor metastasis by attenuating NK cell-mediated anti-tumor immunity. *bioRxiv : the preprint server for biology*.

Yu M, et al. (2026) Vitamin D Deficiency Activates Gdnf-Ret-pErk1/2 Signal and Induces Kidney Malformations in Mice. *International journal of molecular sciences*, 27(7).

Lagou MK, et al. (2026) Morphometric analysis of the thymic epithelial cell network using integrated and orthogonal digital pathology approaches. *Communications biology*, 9(1).

Han S, et al. (2026) RUNX1-deficiency drives immune-active ER+ mammary tumorigenesis through activation of interferon signaling. *bioRxiv : the preprint server for biology*.

Aggarwal A, et al. (2026) Olfactory Receptor Activation Reduces Platelet Reactivity and Arterial Thrombosis Through Actin Cytoskeleton Remodeling. *Circulation*, 153(23), 1827.

Li F, et al. (2026) Spatial heterogeneity of MDSCs mediated by ANXA1-FPRs signaling drives immune suppression in OSCC progression. *Nature communications*, 17(1).

Nemec KM, et al. (2026) Microglia replacement by ER-Hoxb8 conditionally immortalized macrophages provides insight into Aicardi-Goutières syndrome neuropathology. *eLife*, 14.