

Resource Summary Report

Generated by [NIF](#) on Aug 27, 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: phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|TYRO3 protein tyrosine kinase 3|beaded filament structural protein 2; phakinin|disrupted in schizophrenia 1|mitochondrially encoded ATP synthase 8|latent transforming growth factor beta binding protein 4|MX dynamin-like GTPase 1|G protein-coupled receptor 84|cytochrome c oxidase subunit 7A2 like|hemolytic complement|Friend virus susceptibility 1; inbred strain: Pde6b|Tyro3|Bfsp2|Disc1|mt-Atp8|Ltbp4|Mx1|Gpr84|Cox7a2l|Hc|Fv1

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

Genomic Alteration: retinal degeneration 1|mutation 1|Dundee|deletion|Duchenne modifier 1 susceptible|myxovirus susceptibility 1|long|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: 20260815T050536+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 [NIF](#) .

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.

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

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.

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.

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.

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

Wilson A, et al. (2026) Inhibiting stearyl-CoA desaturase suppresses bone metastatic prostate cancer by modulating cellular stress, mTOR signaling, and DNA damage response. *FEBS letters*, 600(7), 1043.

Kim SS, et al. (2026) Tamoxifen promotes metastasis of breast cancer via reshaping lipid-driven fibrotic microenvironments in the lung. *Neoplasia (New York, N.Y.)*, 73, 101286.

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*.

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

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*.

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

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.

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.

Xu G, et al. (2026) Fast and slow strains of misfolded mutant superoxide dismutase 1 in familial amyotrophic lateral sclerosis. *Acta neuropathologica communications*, 14(1).

Wang H, et al. (2026) Reversible dissociation of mitochondrial Complex V balances anabolic and energy-generating needs in cancer. *iScience*, 29(3), 114889.