

Resource Summary Report

Generated by [dkNET](#) on Aug 30, 2026

FVB/N-Tg(MMTV-PyVT)634Mul/J

RRID:IMSR_JAX:002374

Type: Organism

Proper Citation

RRID:IMSR_JAX:002374

Organism Information

URL: <https://www.jax.org/strain/002374>

Proper Citation: RRID:IMSR_JAX:002374

Description: Mus musculus with name FVB/N-Tg(MMTV-PyVT)634Mul/J from IMSR.

Species: Mus musculus

Synonyms: FVB/N-Tg(MMTVPyVT)634Mul/J. MMTV-PyMT

Notes: gene symbol note: transgene insertion 634; William Muller|Mouse Mammary Tumor Virus|Polyoma virus middle T antigen; coisogenic strain|mutant strain: Tg(MMTV-PyVT)634Mul|MMTV|PyVT

Affected Gene: transgene insertion 634; William Muller|Mouse Mammary Tumor Virus|Polyoma virus middle T antigen

Genomic Alteration: transgene insertion 634; William Muller

Catalog Number: JAX:002374

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: FVB/N-Tg(MMTV-PyVT)634Mul/J

Record Creation Time: 20250513T053631+0000

Record Last Update: 20260829T044920+0000

Ratings and Alerts

No rating or validation information has been found for FVB/N-Tg(MMTV-PyVT)634Mul/J.

No alerts have been found for FVB/N-Tg(MMTV-PyVT)634Mul/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 112 mentions in open access literature.

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

Lim GY, et al. (2026) IFI16/IFI202 blockade suppresses tumor growth through CD8+ T-cell-mediated immunity. Breast cancer research : BCR, 28(1), 27.

Cai P, et al. (2026) The Taurine-Slc6a6 Axis Promotes Breast Cancer Progression by Alleviating Oxidative Stress and Accelerating Cell Cycle Progression. Cells, 15(2).

Velazquez-Quesada I, et al. (2026) Sensory neurons inhibit invadopodia and metastasis via direct CGRP-RAMP1-cAMP signaling to cancer cells. bioRxiv : the preprint server for biology.

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.

Hayward MK, et al. (2026) Tissue tension fosters macrophage-driven lipid peroxidation-induced DNA damage. Cancer cell, 44(6), 1255.

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

Caire R, et al. (2026) A 3D morphogenetic blueprint for metastatic outgrowth in breast cancer. Cell, 189(12), 3701.

Lei G, et al. (2026) Cuproptosis-immunity crosstalk informs strategy to overcome immunotherapy resistance. Cell.

Yao B, et al. (2026) Divergent tumor immunity determined by bacteria-cancer cell engagement. Cell, 189(6), 1748.

Berrueta L, et al. (2026) Stretching inhibits tumor growth in MMTV-PYMT via a direct mechanical effect. BMC biology, 24(1).

Chavez B, et al. (2026) Effective treatment of human breast tumors by chimeric CCL2 and CCL8 diphtheria toxin cytotoxic peptides. Cancer biology & therapy, 27(1), 2688479.

Roichman A, et al. (2025) Dietary Fiber Lacks a Consistent Effect on Immune Checkpoint Blockade Efficacy Across Diverse Murine Tumor Models. *Cancer research*, 85(17), 3335.

Baranowska-Kortylewicz J, et al. (2025) IBCar: Potent Orally Bioavailable Methyl N-[5-(3'-Iodobenzoyl)-1H-Benzimidazol-2-yl]Carbamate for Breast Cancer Therapy. *Cancers*, 17(15).

Wei H, et al. (2025) Mogat1 drives metabolic adaptations to evade immune surveillance. *Nature communications*, 16(1), 7035.

Kim N, et al. (2025) 11 β -hydroxyprogesterone dampens lung metastasis via EMT modulation in PyMT-induced breast cancer murine model. *Laboratory animal research*, 41(1), 26.

Barsky SH, et al. (2025) Bone Marrow Origin of Mammary Phagocytic Intraductal Macrophages (Foam Cells). *International journal of molecular sciences*, 26(4).

Xu Q, et al. (2025) Temporal and Spatial Dynamics of Tumor-Host Microbiota in Breast Cancer Progression. *Microorganisms*, 13(7).

Thalalla Gamage S, et al. (2025) Transfer RNA acetylation regulates in vivo mammalian stress signaling. *Science advances*, 11(12), eads2923.

Joannes L, et al. (2025) The ADAMTS2 metalloproteinase inhibits tumor growth by regulating the innate immune system. *Cancer cell international*, 25(1), 229.

Ross CR, et al. (2025) Genetic background and oncogenic driver determines the genomic evolution and transcriptomics of mammary tumor metastasis. *Communications biology*, 8(1), 1224.