Resource Summary Report

Generated by kravitz2 on Aug 23, 2026

B6.FVB-Tg(MMTV-PyVT)634Mul/LellJ

RRID:IMSR_JAX:022974
Type: Organism

Proper Citation

RRID:IMSR_JAX:022974

Organism Information

URL: https://www.jax.org/strain/022974

Proper Citation: RRID:IMSR_JAX:022974

Description: Mus musculus with name B6.FVB-Tg(MMTV-PyVT)634Mul/LellJ from IMSR.

Species: Mus musculus

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

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

Genomic Alteration: transgene insertion 634; William Muller

Catalog Number: JAX:022974

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.FVB-Tg(MMTV-PyVT)634Mul/LellJ

Record Creation Time: 20250513T053746+0000

Record Last Update: 20260815T050659+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB-Tg(MMTV-PyVT)634Mul/LellJ.

No alerts have been found for B6.FVB-Tg(MMTV-PyVT)634Mul/LellJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 46 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Yu J, et al. (2026) 6-Hydroxydopamine promotes antitumor immunity through macrophage remodeling beyond sympathetic ablation. Neuron, 114(14), 2532.

Monzavi-Karbassi B, et al. (2026) Class A scavenger receptors promote tumor progression and induce a unique macrophage phenotype in a mouse model of spontaneous breast cancer. Journal of leukocyte biology, 118(3).

Hecht F, et al. (2026) Catabolism of extracellular glutathione supplies cysteine to support tumours. Nature, 653(8115), 933.

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

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

Marshall AC, et al. (2026) Mapping breast cancer lineage in radiation and immunotherapy using the REMAP mouse. bioRxiv : the preprint server for biology.

Mei W, et al. (2025) A commonly inherited human PCSK9 germline variant drives breast cancer metastasis via LRP1 receptor. Cell, 188(2), 371.

Li C, et al. (2025) Liver-breast communication of adipocyte-oriented exosomes drives primary mammary cancer progression. Cell metabolism.

Arnone AA, et al. (2025) Endocrine-targeting therapies shift the breast microbiome to reduce estrogen receptor-? breast cancer risk. Cell reports. Medicine, 6(1), 101880.

Gomez AM, et al. (2025) Aberrant hypothalamic neuronal activity blunts glucocorticoid diurnal rhythms in murine breast cancer. Neuron.

Rodrigues FS, et al. (2024) Bidirectional activation of stem-like programs between metastatic cancer and alveolar type 2 cells within the niche. Developmental cell, 59(18),

2398.

Roweth HG, et al. (2024) Platelet Angiopoietin-1 Protects Against Murine Models of Tumor Metastasis. Arteriosclerosis, thrombosis, and vascular biology, 44(9), 2024.

Hänggi K, et al. (2024) Interleukin-1? release during necrotic-like cell death generates myeloid-driven immunosuppression that restricts anti-tumor immunity. Cancer cell, 42(12), 2015.

Wofford W, et al. (2024) Alterations of ceramide synthesis induce PD-L1 internalization and signaling to regulate tumor metastasis and immunotherapy response. Cell reports, 43(8), 114532.

Bagheri M, et al. (2024) Pharmacological induction of chromatin remodeling drives chemosensitization in triple-negative breast cancer. Cell reports. Medicine, 5(4), 101504.

Liu CL, et al. (2023) Characterization of Mammary Tumors Arising from MMTV-PyVT Transgenic Mice. Current issues in molecular biology, 45(6), 4518.

Al Olabi R, et al. (2023) The inhibitory NKR-P1B receptor regulates NK cell-mediated mammary tumor immunosurveillance in mice. Oncoimmunology, 12(1), 2168233.

Zhao Y, et al. (2023) Neutrophils resist ferroptosis and promote breast cancer metastasis through aconitate decarboxylase 1. Cell metabolism, 35(10), 1688.

Beziaud L, et al. (2023) IFN?-induced stem-like state of cancer cells as a driver of metastatic progression following immunotherapy. Cell stem cell, 30(6), 818.

Riley-Gillis B, et al. (2023) Machine learning reveals genetic modifiers of the immune microenvironment of cancer. iScience, 26(9), 107576.