Resource Summary Report

Generated by kravitz2 on Jul 31, 2026

STOCK Tg(MMTV-cre)4Mam/J

RRID:IMSR_JAX:003553
Type: Organism

Proper Citation

RRID:IMSR_JAX:003553

Organism Information

URL: https://www.jax.org/strain/003553

Proper Citation: RRID:IMSR_JAX:003553

Description: Mus musculus with name STOCK Tg(MMTV-cre)4Mam/J from IMSR.

Species: Mus musculus

Synonyms: B6129-Tg(MMTV-cre)4Mam/J. B6129-TgN(MMTV-Cre)4Mam

Notes: gene symbol note: transgene insertion 4; Lothar Hennighausen||Mouse Mammary Tumor Virus; mutant stock: Tg(MMTV-cre)4Mam||MMTV

Affected Gene: transgene insertion 4; Lothar Hennighausen||Mouse Mammary Tumor Virus

Genomic Alteration: transgene insertion 4; Lothar Hennighausen

Catalog Number: JAX:003553

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: STOCK Tg(MMTV-cre)4Mam/J

Record Creation Time: 20250513T053640+0000

Record Last Update: 20260725T044349+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(MMTV-cre)4Mam/J.

No alerts have been found for STOCK Tg(MMTV-cre)4Mam/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 96 mentions in open access literature.

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

Agrawal R, et al. (2025) Phosphorylated BLM peptide acts as an agonist for DNA damage response. Nucleic acids research, 53(4).

Xu J, et al. (2025) FRMD8 inhibits tumor metastasis in BRCA1-associated TNBC by negatively regulating tmTNF-?. Cellular & molecular biology letters, 30(1), 76.

Cifuentes C, et al. (2025) The R-RAS2 GTPase is a signaling hub in triple-negative breast cancer cell metabolism and metastatic behavior. Journal of hematology & oncology, 18(1), 41.

Xiong X, et al. (2025) DEPTOR suppresses lymphomagenesis by promoting EGFR degradation via HUWE1 E3 ligase. Cell death and differentiation, 32(10), 1820.

Cifuentes C, et al. (2024) Unmutated RRAS2 emerges as a key oncogene in post-partum-associated triple negative breast cancer. Molecular cancer, 23(1), 142.

To B, et al. (2024) Insight into mammary gland development and tumor progression in an E2F5 conditional knockout mouse model. Oncogene, 43(46), 3402.

Shi Q, et al. (2024) HER2 phosphorylation induced by TGF-? promotes mammary morphogenesis and breast cancer progression. The Journal of cell biology, 223(4).

Yang X, et al. (2024) Mcam inhibits macrophage-mediated development of mammary gland through non-canonical Wnt signaling. Nature communications, 15(1), 36.

Casanova AG, et al. (2024) Cytoskeleton remodeling induced by SMYD2 methyltransferase drives breast cancer metastasis. Cell discovery, 10(1), 12.

Shrestha H, et al. (2024) The Janus kinase 1 is critical for pancreatic cancer initiation and progression. Cell reports, 43(5), 114202.

Treekitkarnmongkol W, et al. (2024) Epigenetic activation of SOX11 is associated with recurrence and progression of ductal carcinoma in situ to invasive breast cancer. British journal of cancer, 131(1), 171.

Qi J, et al. (2023) PELI1 and EGFR cooperate to promote breast cancer metastasis. Oncogenesis, 12(1), 9.

Yang H, et al. (2023) ERCC6L facilitates the onset of mammary neoplasia and promotes the high malignance of breast cancer by accelerating the cell cycle. Journal of experimental & clinical cancer research : CR, 42(1), 227.

Durfee C, et al. (2023) Human APOBEC3B promotes tumor heterogeneity in vivo including signature mutations and metastases. bioRxiv : the preprint server for biology.

Stedile M, et al. (2023) Tristetraprolin promotes survival of mammary progenitor cells by restraining TNF? levels. Frontiers in cell and developmental biology, 11, 1265475.

Zhang R, et al. (2023) PTHrP Regulates Fatty Acid Metabolism via Novel lncRNA in Breast Cancer Initiation and Progression Models. Cancers, 15(15).

Thang NX, et al. (2023) INO80 function is required for mouse mammary gland development, but mutation alone may be insufficient for breast cancer. Frontiers in cell and developmental biology, 11, 1253274.

Wang B, et al. (2023) CRB3 navigates Rab11 trafficking vesicles to promote ?TuRC assembly during ciliogenesis. eLife, 12.

Zeng J, et al. (2023) A genetic mosaic mouse model illuminates the pre-malignant progression of basal-like breast cancer. Disease models & mechanisms, 16(11).

Purazo ML, et al. (2023) NEDD9 Overexpression Causes Hyperproliferation of Luminal Cells and Cooperates with HER2 Oncogene in Tumor Initiation: A Novel Prognostic Marker in Breast Cancer. Cancers, 15(4).