Resource Summary Report

Generated by Kravitz on Sep 21, 2026

B6.Cg-Tg(Vil1-cre/ERT2)23Syr/J

RRID:IMSR_JAX:020282
Type: Organism

Proper Citation

RRID:IMSR_JAX:020282

Organism Information

URL: https://www.jax.org/strain/020282

Proper Citation: RRID:IMSR_JAX:020282

Description: Mus musculus with name B6.Cg-Tg(Vil1-cre/ERT2)23Syr/J from IMSR.

Species: Mus musculus

Synonyms: B6N.Cg-Tg(Vil1-cre/ERT2)23Syr/J

Notes: gene symbol note: transgene insertion 23; Sylvie Robine; mutant strain|congenic strain: Tg(Vil1-cre/ERT2)23Syr

Affected Gene: transgene insertion 23; Sylvie Robine

Genomic Alteration: transgene insertion 23; Sylvie Robine

Catalog Number: JAX:020282

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Vil1-cre/ERT2)23Syr/J

Record Creation Time: 20250513T053741+0000

Record Last Update: 20260919T054928+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Vil1-cre/ERT2)23Syr/J.

No alerts have been found for B6.Cg-Tg(Vil1-cre/ERT2)23Syr/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Cramer Z, et al. (2026) APC coordinates GSK3 phosphorylation of SETD8 to suppress colorectal cancer. Cell reports, 45(3), 117045.

Rispal J, et al. (2026) Microbiome-produced nicotinic acid controls colon regional identity and injury susceptibility. Cell, 189(9), 2714.

Zhou YD, et al. (2026) Tissue-specific tolerance mechanisms and lymph node co-drainage shape T cell immunity in the upper digestive system and pancreatic cancer progression. Cell reports, 45(5), 117324.

Lebon S, et al. (2026) An inflammasome-driven differentiation program in intestinal stem cells protects against Salmonella infection. Nature immunology, 27(7), 1404.

Stanbery AG, et al. (2026) Tuft cells promote reactivation of memory Th2 cells and are required for protective immunity to intestinal helminth re-infection. Immunity, 59(5), 1381.

Gao Y, et al. (2025) T cell cholesterol transport links intestinal immune responses to dietary lipid absorption. Science (New York, N.Y.), 390(6769), eadt4169.

Ding Z, et al. (2025) MLKL activates the cGAS-STING pathway by releasing mitochondrial DNA upon necroptosis induction. Molecular cell, 85(13), 2610.

Alam Z, et al. (2025) Fosl1 is a transcriptional effector of BRAF V600E-driven intestinal tumorigenesis. iScience, 28(11), 113875.

Zhou YD, et al. (2025) T cell fate is dictated by different antigen presenting cells in response to dietary versus gut epithelial self-antigen. bioRxiv : the preprint server for biology.

Capdevila C, et al. (2024) Time-resolved fate mapping identifies the intestinal upper crypt zone as an origin of Lgr5+ crypt base columnar cells. Cell, 187(12), 3039.

LaBella KA, et al. (2024) Telomere dysfunction alters intestinal stem cell dynamics to promote cancer. Developmental cell, 59(11), 1475.

Kinoshita H, et al. (2024) Epithelial aPKC deficiency leads to stem cell loss preceding metaplasia in colorectal cancer initiation. Developmental cell, 59(15), 1972.

Billipp TE, et al. (2024) Tuft cell-derived acetylcholine promotes epithelial chloride secretion and intestinal helminth clearance. Immunity, 57(6), 1243.

Guo CG, et al. (2024) Intestinal SURF4 is essential for apolipoprotein transport and lipoprotein secretion. Molecular metabolism, 79, 101847.

Eshleman EM, et al. (2024) Microbiota-derived butyrate restricts tuft cell differentiation via histone deacetylase 3 to modulate intestinal type 2 immunity. Immunity, 57(2), 319.

Li C, et al. (2023) Glycolytic Regulation of Intestinal Stem Cell Self-Renewal and Differentiation. Cellular and molecular gastroenterology and hepatology, 15(4), 931.

Chen L, et al. (2023) TGFB1 induces fetal reprogramming and enhances intestinal regeneration. Cell stem cell, 30(11), 1520.

Suzuki T, et al. (2023) ?-Catenin Drives Butyrophilin-like Molecule Loss and ?? T-cell Exclusion in Colon Cancer. Cancer immunology research, 11(8), 1137.

Castillo-Azofeifa D, et al. (2023) A DLG1-ARHGAP31-CDC42 axis is essential for the intestinal stem cell response to fluctuating niche Wnt signaling. Cell stem cell, 30(2), 188.

Shui B, et al. (2023) Oncogenic K-Ras suppresses global miRNA function. Molecular cell, 83(14), 2509.