Resource Summary Report

Generated by ASWG on Jul 29, 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: 20260725T044449+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 29 mentions in open access literature.

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

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

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.

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.

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

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

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

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

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.

Liu CY, et al. (2023) Wound-healing plasticity enables clonal expansion of founder progenitor cells in colitis. Developmental cell, 58(21), 2309.

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

Chandra R, et al. (2023) Gut mucosal cells transfer ?-synuclein to the vagus nerve. JCI insight, 8(23).

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.

Yan S, et al. (2022) Intestinal Gpr17 deficiency improves glucose metabolism by promoting GLP-1 secretion. Cell reports, 38(1), 110179.

Yoshimatsu Y, et al. (2022) Aryl hydrocarbon receptor signals in epithelial cells govern the recruitment and location of Helios+ Tregs in the gut. Cell reports, 39(6), 110773.

Sibilio A, et al. (2022) Immune translational control by CPEB4 regulates intestinal inflammation resolution and colorectal cancer development. iScience, 25(2), 103790.