

Resource Summary Report

Generated by SPARC SAWG on Jul 30, 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 [SPARC SAWG](#) .

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.

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*.

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

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) β -Catenin Drives Butyrophilin-like Molecule Loss and $\gamma\delta$ 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.

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

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

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.