

# Resource Summary Report

Generated by T1D on Sep 6, 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:** 20260905T044523+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.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 34 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

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

Rispa 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.

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.

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)  $\beta$ -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.