# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 15, 2025

## 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:** International Mouse Resource Center IMSR, JAX

**Database Abbreviation:** IMSR

**Availability:** live

**Alternate IDs:** IMSR_JAX:20282

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

**Record Creation Time:** 20230509T193315+0000

**Record Last Update:** 20250412T090623+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:** International Mouse Resource Center IMSR, JAX

## Usage and Citation Metrics

We found 25 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.


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.

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.

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.

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

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

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.

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

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

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

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

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.

Ohara TE, et al. (2022) Adaptive differentiation promotes intestinal villus recovery. Developmental cell, 57(2), 166.

Linares JF, et al. (2021) PKC?/? inhibition activates an ULK2-mediated interferon response to repress tumorigenesis. Molecular cell, 81(21), 4509.

Deets KA, et al. (2021) Inflammasome activation leads to cDC1-independent cross-priming of CD8 T cells by epithelial cell-derived antigen. eLife, 10.

Mana MD, et al. (2021) High-fat diet-activated fatty acid oxidation mediates intestinal stemness and tumorigenicity. Cell reports, 35(10), 109212.