

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

B6N.Cg-Tg(Vil1-cre)997Gum/J

RRID:IMSR_JAX:018963

Type: Organism

Proper Citation

RRID:IMSR_JAX:018963

Organism Information

URL: <https://www.jax.org/strain/018963>

Proper Citation: RRID:IMSR_JAX:018963

Description: Mus musculus with name B6N.Cg-Tg(Vil1-cre)997Gum/J from IMSR.

Species: Mus musculus

Synonyms: B6N.Cg-Tg(Vil-cre)997Gum/J

Notes: gene symbol note: |villin 1|transgene insertion 997; Deborah L Gumucio; mutant strain|congenic strain: |Vil1|Tg(Vil1-cre)997Gum

Affected Gene: |villin 1|transgene insertion 997; Deborah L Gumucio

Genomic Alteration: transgene insertion 997; Deborah L Gumucio

Catalog Number: JAX:018963

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6N.Cg-Tg(Vil1-cre)997Gum/J

Record Creation Time: 20250513T053739+0000

Record Last Update: 20260905T044521+0000

Ratings and Alerts

No rating or validation information has been found for B6N.Cg-Tg(Vil1-cre)997Gum/J.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human hemochromatosis type 1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

You S, et al. (2024) Lymphatic-localized Treg-mregDC crosstalk limits antigen trafficking and restrains anti-tumor immunity. *Cancer cell*, 42(8), 1415.

Dopeso H, et al. (2024) RhoA downregulation in the murine intestinal epithelium results in chronic Wnt activation and increased tumorigenesis. *iScience*, 27(4), 109400.

Yang D, et al. (2022) Nociceptor neurons direct goblet cells via a CGRP-RAMP1 axis to drive mucus production and gut barrier protection. *Cell*, 185(22), 4190.