

Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

B6.129S4(Cg)-Trp53^{tm2.1Tyj/J}

RRID:IMSR_JAX:008183

Type: Organism

Proper Citation

RRID:IMSR_JAX:008183

Organism Information

URL: <https://www.jax.org/strain/008183>

Proper Citation: RRID:IMSR_JAX:008183

Description: Mus musculus with name B6.129S4(Cg)-Trp53^{tm2.1Tyj/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: transformation related protein 53; congenic strain: Trp53

Affected Gene: transformation related protein 53

Genomic Alteration: targeted mutation 2.1; Tyler Jacks

Catalog Number: JAX:008183

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S4(Cg)-Trp53^{tm2.1Tyj/J}

Record Creation Time: 20250513T053706+0000

Record Last Update: 20260905T044450+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4(Cg)-Trp53^{tm2.1Tyj/J}.

No alerts have been found for B6.129S4(Cg)-Trp53^{tm2.1Tyj/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Nigri J, et al. (2026) Myofibroblasts Induce Neuroplasticity to Promote Pancreatic Inflammation and Cancer Progression. *Cancer discovery*, 16(5), 1014.

Grimont A, et al. (2026) Molecular dynamics driving phenotypic divergence among KRAS mutants in pancreatic tumorigenesis. *Developmental cell*.

Valenti G, et al. (2025) Regulatory network analysis of Dclk1 gene expression reveals a tuft cell-ILC2 axis that inhibits pancreatic tumor progression. *Cell reports*, 44(6), 115734.

Hu K, et al. (2025) Development and Application of MiMouse, a Comprehensive Genomic Profiling Panel for Credentialing Mouse Tumor Models. *Cancer research communications*, 5(10), 1910.

Kadosh E, et al. (2020) The gut microbiome switches mutant p53 from tumour-suppressive to oncogenic. *Nature*, 586(7827), 133.