

# Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

## B6.129S4-Trp53<sup>tm3.1Tyj/J</sup>

RRID:IMSR\_JAX:008182

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:008182

### Organism Information

**URL:** <https://www.jax.org/strain/008182>

**Proper Citation:** RRID:IMSR\_JAX:008182

**Description:** Mus musculus with name B6.129S4-Trp53<sup>tm3.1Tyj/J</sup> 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 3.1; Tyler Jacks

**Catalog Number:** JAX:008182

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6.129S4-Trp53<sup>tm3.1Tyj/J</sup>

**Record Creation Time:** 20250513T053706+0000

**Record Last Update:** 20260912T060452+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129S4-Trp53<sup>tm3.1Tyj/J</sup>.

No alerts have been found for B6.129S4-Trp53<sup>tm3.1Tyj/J</sup>.

---

## 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 [NIF](#) .

Panzeri I, et al. (2026) Chronic High-Fat Diet Does Not Alter Overall Cancer Incidence in Trp53R270H/+ Mice. Cancer research communications, 6(6), 1336.

Vinall R, et al. (2022) Use of RNA-Seq and a Transgenic Mouse Model to Identify Genes Which May Contribute to Mutant p53-Driven Prostate Cancer Initiation. Biology, 11(2).

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