# Resource Summary Report

Generated by kravitz2 on Jul 31, 2026

## B6.129X1-Fut2$^{tm1Sdo}$/J

RRID:IMSR_JAX:006262
Type: Organism

### Proper Citation

RRID:IMSR_JAX:006262

### Organism Information

**URL:** https://www.jax.org/strain/006262

**Proper Citation:** RRID:IMSR_JAX:006262

**Description:** Mus musculus with name B6.129X1-Fut2$^{tm1Sdo}$/J from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.129P2-Fut2/J

**Notes:** gene symbol note: beta-galactosidase|fucosyltransferase 2; mutant strain|congenic strain: lacZ|Fut2

**Affected Gene:** beta-galactosidase|fucosyltransferase 2

**Genomic Alteration:** targeted mutation 1; Steven E Domino

**Catalog Number:** JAX:006262

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6.129X1-Fut2$^{tm1Sdo}$/J

**Record Creation Time:** 20250513T053655+0000

**Record Last Update:** 20260725T044407+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129X1-Fut2$^{tm1Sdo}$/J.

No alerts have been found for B6.129X1-Fut2$^{tm1Sdo}$/J.

## 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 kravitz2 .

Lei C, et al. (2022) Enteric VIP-producing neurons maintain gut microbiota homeostasis through regulating epithelium fucosylation. Cell host & microbe, 30(10), 1417.

Suwandi A, et al. (2019) Std fimbriae-fucose interaction increases Salmonella-induced intestinal inflammation and prolongs colonization. PLoS pathogens, 15(7), e1007915.

Rausch P, et al. (2017) Multigenerational Influences of the Fut2 Gene on the Dynamics of the Gut Microbiota in Mice. Frontiers in microbiology, 8, 991.