

Resource Summary Report

Generated by [NIF](#) on Sep 8, 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: 20260905T044439+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 [NIF](#) .

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.