

Resource Summary Report

Generated by [ASWG](#) on Aug 30, 2026

B6.129-Fut1^{tm1Sdo}/J

RRID:IMSR_JAX:006939

Type: Organism

Proper Citation

RRID:IMSR_JAX:006939

Organism Information

URL: <https://www.jax.org/strain/006939>

Proper Citation: RRID:IMSR_JAX:006939

Description: Mus musculus with name B6.129-Fut1^{tm1Sdo}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: fucosyltransferase 1|beta-galactosidase; mutant strain|congenic strain: Fut1|lacZ

Affected Gene: fucosyltransferase 1|beta-galactosidase

Genomic Alteration: targeted mutation 1; Steven E Domino

Catalog Number: JAX:006939

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129-Fut1^{tm1Sdo}/J

Record Creation Time: 20250513T053700+0000

Record Last Update: 20260829T044952+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Fut1^{tm1Sdo}/J.

No alerts have been found for B6.129-Fut1^{tm1Sdo}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Yoon CH, et al. (2022) The Eyelid Meibomian Gland Deficiency in Fucosyltransferase 1 Knockout Mice. International journal of molecular sciences, 23(16).

Kim KW, et al. (2020) FUT1 deficiency elicits immune dysregulation and corneal opacity in steady state and under stress. Cell death & disease, 11(4), 285.