

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

STOCK Nr1h4^{tm1Gonz}/J

RRID:IMSR_JAX:004144

Type: Organism

Proper Citation

RRID:IMSR_JAX:004144

Organism Information

URL: <https://www.jax.org/strain/004144>

Proper Citation: RRID:IMSR_JAX:004144

Description: Mus musculus with name STOCK Nr1h4^{tm1Gonz}/J from IMSR.

Species: Mus musculus

Synonyms: B6;129X1(FVB)-Nr1h4/J. B6;129X(FVB)-Nr1h4/J. B6;129X(FVB)-Nr1h4

Notes: gene symbol note: nuclear receptor subfamily 1; group H; member 4; mutant stock: Nr1h4

Affected Gene: nuclear receptor subfamily 1; group H; member 4

Genomic Alteration: targeted mutation 1; Frank Gonzalez

Catalog Number: JAX:004144

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Nr1h4^{tm1Gonz}/J

Record Creation Time: 20250513T053643+0000

Record Last Update: 20260919T054832+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Nr1h4^{tm1Gonz}/J.

No alerts have been found for STOCK Nr1h4^{tm1Gonz/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Liu Y, et al. (2025) Disrupting bile acid metabolism by suppressing Fxr causes hepatocellular carcinoma induced by YAP activation. Nature communications, 16(1), 3583.

Cong J, et al. (2024) Bile acids modified by the intestinal microbiota promote colorectal cancer growth by suppressing CD8+ T cell effector functions. Immunity.

Xiang M, et al. (2023) Aquaporin-8 ameliorates hepatic steatosis through farnesoid X receptor in obese mice. iScience, 26(4), 106561.

Wang Q, et al. (2023) Gut microbiota regulates postprandial GLP-1 response via ileal bile acid-TGR5 signaling. Gut microbes, 15(2), 2274124.

Qiu Y, et al. (2020) The glucose-lowering effects of α -glucosidase inhibitor require a bile acid signal in mice. Diabetologia, 63(5), 1002.

Jin D, et al. (2020) Farnesoid X Receptor Activation Protects Liver From Ischemia/Reperfusion Injury by Up-Regulating Small Heterodimer Partner in Kupffer Cells. Hepatology communications, 4(4), 540.