

Resource Summary Report

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

FVB.129S4(B6)-Scn4a^{tm1.1Ljh/J}

RRID:IMSR_JAX:011033

Type: Organism

Proper Citation

RRID:IMSR_JAX:011033

Organism Information

URL: <https://www.jax.org/strain/011033>

Proper Citation: RRID:IMSR_JAX:011033

Description: Mus musculus with name FVB.129S4(B6)-Scn4a^{tm1.1Ljh/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: sodium channel; voltage-gated; type IV; alpha; mutant strain|congenic strain: Scn4a

Affected Gene: sodium channel; voltage-gated; type IV; alpha

Genomic Alteration: targeted mutation 1.1; Lawrence J Hayward

Catalog Number: JAX:011033

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: FVB.129S4(B6)-Scn4a^{tm1.1Ljh/J}

Record Creation Time: 20250513T053719+0000

Record Last Update: 20260919T054907+0000

Ratings and Alerts

No rating or validation information has been found for FVB.129S4(B6)-Scn4a^{tm1.1Ljh/J}.

No alerts have been found for FVB.129S4(B6)-Scn4a^{tm1.1Ljh/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](#) .

Corrochano S, et al. (2018) A genetic modifier suggests that endurance exercise exacerbates Huntington's disease. Human molecular genetics, 27(10), 1723.

Corrochano S, et al. (2014) Novel mutations in human and mouse SCN4A implicate AMPK in myotonia and periodic paralysis. Brain : a journal of neurology, 137(Pt 12), 3171.

Clausen T, et al. (2011) Na⁺,K⁺-pump stimulation improves contractility in isolated muscles of mice with hyperkalemic periodic paralysis. The Journal of general physiology, 138(1), 117.