

Resource Summary Report

Generated by [ASWG](#) on Aug 24, 2026

B6.Cg-Nr1d1^{tm1Ven}/LazJ

RRID:IMSR_JAX:018447

Type: Organism

Proper Citation

RRID:IMSR_JAX:018447

Organism Information

URL: <https://www.jax.org/strain/018447>

Proper Citation: RRID:IMSR_JAX:018447

Description: Mus musculus with name B6.Cg-Nr1d1^{tm1Ven}/LazJ from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Nr1d1/J

Notes: gene symbol note: nuclear receptor subfamily 1; group D; member 1|beta-galactosidase; mutant strain|congenic strain: Nr1d1|lacZ

Affected Gene: nuclear receptor subfamily 1; group D; member 1|beta-galactosidase

Genomic Alteration: targeted mutation 1; Bjorn Vennstrom

Catalog Number: JAX:018447

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Nr1d1^{tm1Ven}/LazJ

Record Creation Time: 20250513T053738+0000

Record Last Update: 20260815T050650+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Nr1d1^{tm1Ven}/LazJ.

No alerts have been found for B6.Cg-Nr1d1^{tm1Ven}/LazJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Carvalho Cabral P, et al. (2024) Time of day and circadian disruption influence host response and parasite growth in a mouse model of cerebral malaria. *iScience*, 27(5), 109684.

Sarrazin DH, et al. (2024) Prefrontal cortex molecular clock modulates development of depression-like phenotype and rapid antidepressant response in mice. *Nature communications*, 15(1), 7257.

Al-Sabagh Y, et al. (2022) Rev-erb β Knockout Reduces Ethanol Consumption and Preference in Male and Female Mice. *International journal of molecular sciences*, 23(9).

Griffin P, et al. (2020) REV-ERB β mediates complement expression and diurnal regulation of microglial synaptic phagocytosis. *eLife*, 9.

Welch RD, et al. (2020) Rev-erb β heterozygosity produces a dose-dependent phenotypic advantage in mice. *PloS one*, 15(5), e0227720.

Robinette ML, et al. (2018) Jak3 deficiency blocks innate lymphoid cell development. *Mucosal immunology*, 11(1), 50.

Amir M, et al. (2018) REV-ERB β Regulates TH17 Cell Development and Autoimmunity. *Cell reports*, 25(13), 3733.

Amador A, et al. (2018) Distinct roles for REV-ERB α and REV-ERB β in oxidative capacity and mitochondrial biogenesis in skeletal muscle. *PloS one*, 13(5), e0196787.

Welch RD, et al. (2017) Rev-Erb co-regulates muscle regeneration via tethered interaction with the NF- κ B cytoskeleton. *Molecular metabolism*, 6(7), 703.

Sato S, et al. (2014) Direct and indirect suppression of interleukin-6 gene expression in murine macrophages by nuclear orphan receptor REV-ERB β . *TheScientificWorldJournal*, 2014, 685854.