

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 15, 2026

B6.129(FVB)-Pitx3^{tm1.1Cai}/J

RRID:IMSR_JAX:021962

Type: Organism

Proper Citation

RRID:IMSR_JAX:021962

Organism Information

URL: <https://www.jax.org/strain/021962>

Proper Citation: RRID:IMSR_JAX:021962

Description: Mus musculus with name B6.129(FVB)-Pitx3^{tm1.1Cai}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: paired-like homeodomain transcription factor 3|tetracycline-controlled transactivator; mutant strain|congenic strain: Pitx3|tTA

Affected Gene: paired-like homeodomain transcription factor 3|tetracycline-controlled transactivator

Genomic Alteration: targeted mutation 1.1; Huaibin Cai

Catalog Number: JAX:021962

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129(FVB)-Pitx3^{tm1.1Cai}/J

Record Creation Time: 20250513T053744+0000

Record Last Update: 20260815T050656+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(FVB)-Pitx3^{tm1.1Cai}/J.

No alerts have been found for B6.129(FVB)-Pitx3^{tm1.1Cai/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 [SPARC SAWG](#) .

Chen Z, et al. (2024) Neuronal-enriched small extracellular vesicles trigger a PD-L1-mediated broad suppression of T??cells in Parkinson's disease. iScience, 27(7), 110243.

Lai JI, et al. (2023) Nicotine-Mediated Recruitment of GABAergic Neurons to a Dopaminergic Phenotype Attenuates Motor Deficits in an Alpha-Synuclein Parkinson's Model. International journal of molecular sciences, 24(4).

Sgobio C, et al. (2019) Unbalanced calcium channel activity underlies selective vulnerability of nigrostriatal dopaminergic terminals in Parkinsonian mice. Scientific reports, 9(1), 4857.