

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

B6;129S-Slc6a3^{tm4.1(tTA)}Xz/J

RRID:IMSR_JAX:027178

Type: Organism

Proper Citation

RRID:IMSR_JAX:027178

Organism Information

URL: <https://www.jax.org/strain/027178>

Proper Citation: RRID:IMSR_JAX:027178

Description: Mus musculus with name B6;129S-Slc6a3^{tm4.1(tTA)}Xz/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: solute carrier family 6 (neurotransmitter transporter; dopamine); member 3; mutant stock: Slc6a3

Affected Gene: solute carrier family 6 (neurotransmitter transporter; dopamine); member 3

Genomic Alteration: targeted mutation 4.1; Xiaoxi Zhuang

Catalog Number: JAX:027178

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129S-Slc6a3^{tm4.1(tTA)}Xz/J

Record Creation Time: 20250513T053759+0000

Record Last Update: 20260815T050710+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Slc6a3^{tm4.1(tTA)}Xz/J.

No alerts have been found for B6;129S-Slc6a3^{tm4.1(tTA)Xz/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Gaertner Z, et al. (2025) Molecular and spatial transcriptomic classification of midbrain dopamine neurons and their alterations in a LRRK2G2019S model of Parkinson's disease. eLife, 13.

Gaertner Z, et al. (2024) Molecular and spatial transcriptomic classification of midbrain dopamine neurons and their alterations in a LRRK2G2019S model of Parkinson's disease. bioRxiv : the preprint server for biology.

Azcorra M, et al. (2023) Unique functional responses differentially map onto genetic subtypes of dopamine neurons. Nature neuroscience, 26(10), 1762.

Xu J, et al. (2022) Intersectional mapping of multi-transmitter neurons and other cell types in the brain. Cell reports, 40(1), 111036.