

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

[Slc6a3^{tm4.1\(tTA\)Xz}/Slc6a3⁺; Tg\(tetO-SNCA*A53T\)E2Cai](#)

RRID:MGI:5619812

Type: Organism

Proper Citation

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Organism Information

URL:

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Description: Allele Detail: Targeted, Transgenic This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted, Transgenic This is a legacy resource.

Phenotype: abnormal mitochondrial physiology, neuronal cytoplasmic inclusions, decreased mitochondria size, decreased dopamine level, abnormal mitochondrial shape, abnormal axon morphology, abnormal dendrite morphology, slow postnatal weight gain, loss of dopaminergic neurons, neuron degeneration

Affected Gene: Slc6a3

Genomic Alteration: Tg(tetO-SNCA*A53T)E2Cai, tm4.1(tTA)Xz

Catalog Number: 5619812

Background: involves: 129S4/SvJaeSor * 129S6/SvEvTac * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:25609609](#)

Organism Name: Slc6a3^{tm4.1(tTA)Xz}/Slc6a3⁺; Tg(tetO-SNCA*A53T)E2Cai

Record Creation Time: 20240120T190033+0000

Record Last Update: 20240130T201657+0000

Ratings and Alerts

No rating or validation information has been found for Slc6a3^{tm4.1(tTA)Xz}/Slc6a3⁺; Tg(tetO-SNCA*A53T)E2Cai.

No alerts have been found for Slc6a3^{tm4.1(tTA)Xz}/Slc6a3⁺; Tg(tetO-SNCA*A53T)E2Cai.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.