

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

C57BL/6N-Tg(Thy1-SNCA)15Mjff/J

RRID:IMSR_JAX:017682

Type: Organism

Proper Citation

RRID:IMSR_JAX:017682

Organism Information

URL: <https://www.jax.org/strain/017682>

Proper Citation: RRID:IMSR_JAX:017682

Description: Mus musculus with name C57BL/6N-Tg(Thy1-SNCA)15Mjff/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6N-Tg(Thy1-SNCA)15Youy/J

Notes: gene symbol note: synuclein alpha|thymus cell antigen 1; theta|transgene insertion 15; The Michael J Fox Foundation; coisogenic strain|mutant strain: SNCA|Thy1|Tg(Thy1-SNCA)15Mjff

Affected Gene: synuclein alpha|thymus cell antigen 1; theta|transgene insertion 15; The Michael J Fox Foundation

Genomic Alteration: transgene insertion 15; The Michael J Fox Foundation

Catalog Number: JAX:017682

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6N-Tg(Thy1-SNCA)15Mjff/J

Record Creation Time: 20250513T053733+0000

Record Last Update: 20260808T050938+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6N-Tg(Thy1-SNCA)15Mjff/J.

No alerts have been found for C57BL/6N-Tg(Thy1-SNCA)15Mjff/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 [ASWG](#).

Puangmalai N, et al. (2026) Connexin 50 mediates disease-relevant alpha-synuclein oligomer propagation and neuroinflammation in neurodegenerative disease. iScience, 29(7), 116399.

Hu D, et al. (2025) Targeting the ClpP-??Synuclein Interaction with a Decoy Peptide to Mitigate Neuropathology in Parkinson's Disease Models. bioRxiv : the preprint server for biology.

Polinski NK, et al. (2022) The GBA1 D409V mutation exacerbates synuclein pathology to differing extents in two alpha-synuclein models. Disease models & mechanisms, 15(6).