

# Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

## C57BL/6J-Tg(Thy1-APPSw.Thy1-PSEN1\*L166P)21Jckr/J

RRID:IMSR\_JAX:037891

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:037891

### Organism Information

**URL:** <https://www.jax.org/strain/037891>

**Proper Citation:** RRID:IMSR\_JAX:037891

**Description:** Mus musculus with name C57BL/6J-Tg(Thy1-APPSw.Thy1-PSEN1\*L166P)21Jckr/J from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.APPPS1-21

**Notes:** gene symbol note: transgene insertion 21; Mathias Jucker|thymus cell antigen 1; theta|amyloid beta (A4) precursor protein (chimeric)|presenilin 1; coisogenic strain|mutant strain: Tg(Thy1-APPSw;Thy1-PSEN1\*L166P)21Jckr|Thy1|APP695|PSEN1

**Affected Gene:** transgene insertion 21; Mathias Jucker|thymus cell antigen 1; theta|amyloid beta (A4) precursor protein (chimeric)|presenilin 1

**Genomic Alteration:** transgene insertion 21; Mathias Jucker

**Catalog Number:** JAX:037891

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** C57BL/6J-Tg(Thy1-APPSw.Thy1-PSEN1\*L166P)21Jckr/J

**Record Creation Time:** 20250513T053902+0000

**Record Last Update:** 20260912T060631+0000

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## Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Tg(Thy1-APP<sup>Sw</sup>.Thy1-PSEN1\*<sup>L166P</sup>)21Jckr/J.

No alerts have been found for C57BL/6J-Tg(Thy1-APP<sup>Sw</sup>.Thy1-PSEN1\*<sup>L166P</sup>)21Jckr/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Kim B, et al. (2026) Deletion of SPI1 in microglia exacerbates amyloid pathology by impairing microglial response in Alzheimer's disease models. *Neuron*.

Liao F, et al. (2025) Anti-pyroglutamate-3 A $\beta$  immunotherapy engages microglia and inhibits amyloid accumulation in transgenic mouse models of A $\beta$  amyloidosis. *Acta neuropathologica*, 149(1), 55.

Schneeberger S, et al. (2025) Interleukin-12 signaling drives Alzheimer's disease pathology through disrupting neuronal and oligodendrocyte homeostasis. *Nature aging*, 5(4), 622.

Chandra S, et al. (2025) The gut microbiome controls reactive astrocytosis during A $\beta$  amyloidosis via propionate-mediated regulation of IL-17. *The Journal of clinical investigation*, 135(13).

El Menuawy A, et al. (2024) Apolar Extracts of St. John's Wort Alleviate the Effects of  $\beta$ -Amyloid Toxicity in Early Alzheimer's Disease. *International journal of molecular sciences*, 25(2).

Kaji S, et al. (2024) Apolipoprotein E aggregation in microglia initiates Alzheimer's disease pathology by seeding  $\beta$ -amyloidosis. *Immunity*, 57(11), 2651.