

# Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

## B6;C3-Tg(Prnp-MAPT\*P301S)PS19Vle/J

RRID:IMSR\_JAX:008169

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:008169

### Organism Information

**URL:** <https://www.jax.org/strain/008169>

**Proper Citation:** RRID:IMSR\_JAX:008169

**Description:** Mus musculus with name B6;C3-Tg(Prnp-MAPT\*P301S)PS19Vle/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: prion protein|microtubule associated protein tau|transgene insertion PS19; Virginia M Y Lee; mutant stock: Prnp|MAPT|Tg(Prnp-MAPT\*P301S)PS19Vle

**Affected Gene:** prion protein|microtubule associated protein tau|transgene insertion PS19; Virginia M Y Lee

**Genomic Alteration:** transgene insertion PS19; Virginia M Y Lee

**Catalog Number:** JAX:008169

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** B6;C3-Tg(Prnp-MAPT\*P301S)PS19Vle/J

**Record Creation Time:** 20250513T053706+0000

**Record Last Update:** 20260829T044959+0000

### Ratings and Alerts

No rating or validation information has been found for B6;C3-Tg(Prnp-MAPT\*P301S)PS19Vle/J.

No alerts have been found for B6;C3-Tg(Prnp-MAPT\*P301S)PS19Vle/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 135 mentions in open access literature.

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

Yu Q, et al. (2026) APOE4 exacerbates glucocorticoid stress hormone-induced tau pathology via mitochondrial dysfunction. *Cell death & disease*, 17(1).

Malone TJ, et al. (2026) Aberrant medial entorhinal cortex dynamics link tau pathology to spatial memory impairment. *bioRxiv : the preprint server for biology*.

Yang T, et al. (2026) Small molecule modulation of the p75 neurotrophin receptor promotes dendritic spine resilience to pathogenic tau species and reduces their accumulation. *Acta neuropathologica communications*, 14(1).

Cao J, et al. (2026) Astrocytic PYGM attenuates tau pathology by promoting lactate-mediated neuroprotection. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(2), e71202.

Jati S, et al. (2026) Catestatin ameliorates tauopathy and amyloidogenesis via adrenergic inhibition. *bioRxiv : the preprint server for biology*.

Tabor GT, et al. (2026) Inducible deletion of DGAT1 and 2 from microglia exacerbates neurodegeneration and endolysosomal lipid accumulation in male PS19 mice. *Cell reports*, 45(1), 116841.

Luo S, et al. (2026) Neuronal PPP2R5C in plasma is a potential biomarker for early diagnosis of Alzheimer's disease. *Cell reports. Medicine*, 7(3), 102631.

Pugh DA, et al. (2026) NRN1 as a therapeutic target for Alzheimer's disease. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(2), e71149.

Fowler SL, et al. (2025) Tau filaments are tethered within brain extracellular vesicles in Alzheimer's disease. *Nature neuroscience*, 28(1), 40.

Wang S, et al. (2025) Inhibition of Soluble Epoxide Hydrolase Confers Neuroprotection and Restores Microglial Homeostasis in a Tauopathy Mouse Model. *Research square*.

Soto-Faguás CM, et al. (2025) The Christchurch point mutation in mouse APOE reduces A $\beta$ -induced tau and  $\alpha$ -synuclein pathologies. *bioRxiv : the preprint server for biology*.

Wang S, et al. (2025) Inhibition of soluble epoxide hydrolase confers neuroprotection and restores microglial homeostasis in a tauopathy mouse model. *Molecular neurodegeneration*, 20(1), 44.

Uenishi R, et al. (2025) Fingolimod treatment exacerbates tau phosphorylation and neurodegeneration in a mouse model of tauopathy with accumulated brain CD8<sup>+</sup> T cells. *Brain communications*, 7(5), fcac330.

Buck SA, et al. (2025) LRRK2 kinase-mediated accumulation of lysosome-associated phospho-Rabs in tauopathies and synucleinopathies. *Acta neuropathologica*, 150(1), 44.

Moreira-Silva D, et al. (2025) Amylin exacerbates tau pathology in the visual cortex of diabetic mice by impairing lysosomal activity. *Genes & diseases*, 12(5), 101602.

Royo Marco A, et al. (2025) Therapeutic VEGFC treatment provides protection against traumatic-brain-injury-driven tauopathy pathogenesis. *Cell reports*, 44(11), 116521.

Ahn SJ, et al. (2025) Microvascular dysfunction and aberrant network activity drive reduced brain oxygenation in a mouse tauopathy model. *Research square*.

Yang S, et al. (2025) Clec7a Signaling in Microglia Promotes Synapse Loss Associated with Tauopathy. *International journal of molecular sciences*, 26(7).

Capilla-López MD, et al. (2025) Synaptic vulnerability to amyloid- $\beta$  and tau pathologies differentially disrupts emotional and memory neural circuits. *Molecular psychiatry*, 30(7), 2966.

Martín-Ávila A, et al. (2025) Clearing truncated tau protein restores neuronal function and prevents microglia activation in tauopathy mice. *Cell reports*, 44(10), 116291.