

Resource Summary Report

Generated by ASWG on Aug 12, 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: microtubule associated protein tau|transgene insertion PS19; Virginia M Y Lee|prion protein; mutant stock: MAPT|Tg(Prnp-MAPT*P301S)PS19Vle|Prnp

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

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: 20260808T050911+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.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 135 mentions in open access literature.

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

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

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).

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

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 β -induced tau and α -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⁺ T cells. *Brain communications*, 7(5), fcaf330.

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- β 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.