

Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

B6.Cg-Tg(Prnp-MAPT*P301S)PS19Vle/J

RRID:IMSR_JAX:024841

Type: Organism

Proper Citation

RRID:IMSR_JAX:024841

Organism Information

URL: <https://www.jax.org/strain/024841>

Proper Citation: RRID:IMSR_JAX:024841

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

Species: Mus musculus

Synonyms: B6N.Cg-Tg(Prnp-MAPT*P301S)PS19Vle/J

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

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

Genomic Alteration: transgene insertion PS19; Virginia M Y Lee

Catalog Number: JAX:024841

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Prnp-MAPT*P301S)PS19Vle/J

Record Creation Time: 20250513T053752+0000

Record Last Update: 20260725T044459+0000

Ratings and Alerts

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

No alerts have been found for B6.Cg-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 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Aguado C, et al. (2026) Disruption of CaV2.3 channels in the brain of the 5xFAD mice. Journal of Alzheimer's disease : JAD, 109(2), 699.

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.

Lopez A, et al. (2025) Carbonic anhydrase inhibition ameliorates tau toxicity via enhanced tau secretion. Nature chemical biology, 21(4), 577.

Van Alstyne M, et al. (2025) Polyserine-mediated targeting of FAF2/UBXD8 ameliorates tau aggregation. Neuron.

Kim J, et al. (2023) Evolutionarily conserved regulators of tau identify targets for new therapies. Neuron, 111(6), 824.

Festa BP, et al. (2023) Microglial-to-neuronal CCR5 signaling regulates autophagy in neurodegeneration. Neuron, 111(13), 2021.

Zhu Y, et al. (2018) Chronic Sleep Disruption Advances the Temporal Progression of Tauopathy in P301S Mutant Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(48), 10255.

Lasagna-Reeves CA, et al. (2016) Reduction of Nuak1 Decreases Tau and Reverses Phenotypes in a Tauopathy Mouse Model. Neuron, 92(2), 407.