

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

FVB-Fgf14^{Tg(tetO-MAPT*P301L)4510Kha/JlwsJ}

RRID:IMSR_JAX:015815

Type: Organism

Proper Citation

RRID:IMSR_JAX:015815

Organism Information

URL: <https://www.jax.org/strain/015815>

Proper Citation: RRID:IMSR_JAX:015815

Description: Mus musculus with name FVB-Fgf14^{Tg(tetO-MAPT*P301L)4510Kha/JlwsJ} from IMSR.

Species: Mus musculus

Synonyms: FVB-Tg(tetO-MAPT*P301L)4510Kha/JlwsJ. FVB-Tg(tetO-MAPT*P301L)#Kha/J. FVB-Tg(tetO-MAPT*P301L)#Kha/JlwsJ

Notes: gene symbol note: fibroblast growth factor 14|microtubule associated protein tau|tet operator; coisogenic strain|mutant strain: Fgf14|MAPT|tetO

Affected Gene: fibroblast growth factor 14|microtubule associated protein tau|tet operator

Genomic Alteration: transgene insertion 4510; Karen Hsiao Ashe

Catalog Number: JAX:015815

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: FVB-Fgf14^{Tg(tetO-MAPT*P301L)4510Kha/JlwsJ}

Record Creation Time: 20250513T053728+0000

Record Last Update: 20260919T054916+0000

Ratings and Alerts

No rating or validation information has been found for FVB-Fgf14^{Tg(tetO-MAPT*P301L)4510Kha/JlwsJ}.

No alerts have been found for FVB-Fgf14^{Tg(tetO-MAPT*P301L)4510Kha/JlwsJ}.

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 [Kravitz](#).

Tyagi M, et al. (2026) Arc mediates intercellular tau transmission via extracellular vesicles. *Cell*, 189(15), 4706.

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

Wilson P, et al. (2025) Presynaptic recycling pool density regulates spontaneous synaptic vesicle exocytosis rate and is upregulated in the presence of β -amyloid. *Cell reports*, 44(4), 115410.

Harris SS, et al. (2025) Alzheimer's disease patient-derived high-molecular-weight tau impairs bursting in hippocampal neurons. *Cell*, 188(14), 3775.

Colom-Cadena M, et al. (2023) Synaptic oligomeric tau in Alzheimer's disease - A potential culprit in the spread of tau pathology through the brain. *Neuron*, 111(14), 2170.

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

Pérez-Sisqués L, et al. (2021) RTP801/REDD1 contributes to neuroinflammation severity and memory impairments in Alzheimer's disease. *Cell death & disease*, 12(6), 616.

Fu H, et al. (2017) Tau Pathology Induces Excitatory Neuron Loss, Grid Cell Dysfunction, and Spatial Memory Deficits Reminiscent of Early Alzheimer's Disease. *Neuron*, 93(3), 533.