

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

B6.Cg-

Tg(APP^{Sw}FLon,PSEN1*M146L*L286V)6799Vas/Mmjax

RRID:MMRRC_034848-JAX

Type: Organism

Proper Citation

RRID:MMRRC_034848-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=34848

Proper Citation: RRID:MMRRC_034848-JAX

Description: Mus musculus with name B6.Cg-Tg(APP^{Sw}FLon,PSEN1*M146L*L286V)6799Vas/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Transgenic ; Collection:

Affected Gene: Psen1

Catalog Number: 034848-JAX

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:17021169](#)

Alternate IDs: MMRRC_34848-JAX, MMRRC_034848, MMRRC_34848

Organism Name: B6.Cg-Tg(APP^{Sw}FLon,PSEN1*M146L*L286V)6799Vas/Mmjax

Record Creation Time: 20230308T055135+0000

Record Last Update: 20260815T124714+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(APP^{SwFILon},PSEN1*^{M146L}*^{L286V})6799Vas/Mmjax.

No alerts have been found for B6.Cg-Tg(APP^{SwFILon},PSEN1*^{M146L}*^{L286V})6799Vas/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 209 mentions in open access literature.

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

McCool S, et al. (2026) Plaque-associated Microglial Polarization in Visual Brain Regions of the 5xFAD Mouse Model. bioRxiv : the preprint server for biology.

Tian Y, et al. (2026) Magnetic resonance microscopy maps widespread effects of Alzheimer's disease on brain structures and behavior in mice. Nature neuroscience, 29(4), 1007.

Wu J, et al. (2026) Astrocytic AEBP1-NPAS3-LIPA pathway coordinates cholesterol homeostasis to regulate Alzheimer's pathology. Cell reports, 45(4), 117193.

Zhang X, et al. (2026) Human iPSC-derived GABAergic interneuron transplantation restores circuit balance and cognitive function in an Alzheimer's disease model. Alzheimer's & dementia : the journal of the Alzheimer's Association, 22(4), e71378.

Jang M, et al. (2026) Extracellular matrix glycation epigenetically regulates brain aging and neurodegeneration in the in vitro aged neurovascular model. Biomaterials, 324, 123504.

Wang F, et al. (2026) iPEX enables micrometre-resolution deep spatial proteomics via tissue expansion. Nature, 649(8096), 505.

Kalita M, et al. (2026) Illuminating proinflammatory myeloid cells with PET tracers targeting GPR84. Proceedings of the National Academy of Sciences of the United States of America, 123(21), e2536372123.

Hamagami N, et al. (2026) State-specific enhancer landscapes govern microglial plasticity. Immunity.

Wang Y, et al. (2026) Injury-transduced SerpinOLs modulate neuroinflammation and glial activation in the diseased and non-diseased CNS. bioRxiv : the preprint server for biology.

Sanders B, et al. (2026) Poly(lactic-co-glycolic acid) immunomodulatory nanoparticles attenuate neuroinflammation and Alzheimer's disease-related pathology in 5xFAD mice. *bioRxiv : the preprint server for biology*.

Lee E, et al. (2026) Angiopoietin-2 aggravates Alzheimer's disease by promoting blood-brain barrier dysfunction and neuroinflammation. *Cell reports*, 116621.

Zhang Y, et al. (2026) FAM134B-mediated ER-phagy degrades APP and suppresses Alzheimer's disease pathology. *The EMBO journal*, 45(13), 4492.

Krattli RP, et al. (2026) Comparing Functional Consequences of Human iPSC-Microglia and Neural Stem Cell-Derived Extracellular Vesicles in Mitigating Cognitive Decline in Alzheimer's Disease. *Aging cell*, 25(1), e70341.

Yanes KJO, et al. (2026) *Toxoplasma gondii* drives myeloid immune cell recruitment to amyloid plaques in Alzheimer's model mice. *Journal of neuroinflammation*, 23(1), 64.

Embalabala RJ, et al. (2026) Single-cell RNA sequencing reveals disease associated changes in brain endothelial cells in the 5XFAD mouse. *Fluids and barriers of the CNS*, 23(1).

Graber DJ, et al. (2026) 5xFAD-NSG mice: a preclinical Alzheimer model for human cell therapy studies. *bioRxiv : the preprint server for biology*.

Butler CA, et al. (2026) Abi3S212F Alzheimer's disease variant alters plaque structure and disrupts microglia. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(5), e71452.

Liu Y, et al. (2026) Epigenetic control of microglial mitochondrial immunity by KAT7 drives Alzheimer's disease pathogenesis. *Neuron*.

Thapa Magar TB, et al. (2026) Pharmacokinetics, Target Engagement of an Immunoproteasome Subunit Low-Molecular-Mass Polypeptide (LMP2) Inhibitor AR-01, and Its Anti-Alzheimer's Effects in Rodents. *ACS pharmacology & translational science*, 9(7), 1869.

Mo C, et al. (2026) Neuroprotective Effects of Molecular Hydrogen via Oxidative Stress and Neuroinflammation Regulation in a 5xFAD Mouse Model. *Antioxidants (Basel, Switzerland)*, 15(3).