Resource Summary Report

Generated by RRID on Jul 31, 2026

B6.Cg-Tg(Thy1-APP)3Somm/J

RRID:IMSR_JAX:030504
Type: Organism

Proper Citation

RRID:IMSR_JAX:030504

Organism Information

URL: https://www.jax.org/strain/030504

Proper Citation: RRID:IMSR_JAX:030504

Description: Mus musculus with name B6.Cg-Tg(Thy1-APP)3Somm/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: amyloid beta precursor protein|transgene insertion 3; Bernd Sommer|thymus cell antigen 1; theta; mutant strain|congenic strain: APP|Tg(Thy1-APP)3Somm|Thy1

Affected Gene: amyloid beta precursor protein|transgene insertion 3; Bernd Sommer|thymus cell antigen 1; theta

Genomic Alteration: transgene insertion 3; Bernd Sommer

Catalog Number: JAX:030504

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Thy1-APP)3Somm/J

Record Creation Time: 20250513T053815+0000

Record Last Update: 20260725T044518+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Thy1-APP)3Somm/J.

No alerts have been found for B6.Cg-Tg(Thy1-APP)3Somm/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 45 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Palermo F, et al. (2025) Investigating gut alterations in Alzheimer's disease: In-depth analysis with micro- and nano-3D X-ray phase contrast tomography. Science advances, 11(5), eadr8511.

Sun R, et al. (2025) Sex-specific changes in energy demand during the preplaque stage in a transgenic Alzheimer's mouse model. Biology of sex differences, 16(1), 54.

Bi D, et al. (2025) BACE1-dependent cleavage of GABAA receptor contributes to neural hyperexcitability and disease progression in Alzheimer's disease. Neuron, 113(7), 1051.

Leinenga G, et al. (2024) Scanning ultrasound-mediated memory and functional improvements do not require amyloid-? reduction. Molecular psychiatry, 29(8), 2408.

Bonaterra-Pastra A, et al. (2024) The presence of circulating human apolipoprotein J reduces the occurrence of cerebral microbleeds in a transgenic mouse model with cerebral amyloid angiopathy. Alzheimer's research & therapy, 16(1), 169.

Wang Q, et al. (2024) SIL1 improves cognitive impairment in APP23/PS45 mice by regulating amyloid precursor protein processing and A? generation. Zoological research, 45(4), 845.

Iwata N, et al. (2024) Metabolic resistance of A?3pE-42, a target epitope of the anti-Alzheimer therapeutic antibody, donanemab. Life science alliance, 7(12).

Howe JR, et al. (2024) Control of innate olfactory valence by segregated cortical amygdala circuits. bioRxiv : the preprint server for biology.

Malik SC, et al. (2023) Tpr Misregulation in Hippocampal Neural Stem Cells in Mouse Models of Alzheimer's Disease. Cells, 12(23).

Whittaker DS, et al. (2023) Circadian modulation by time-restricted feeding rescues brain pathology and improves memory in mouse models of Alzheimer's disease. Cell metabolism, 35(10), 1704.

Solé M, et al. (2023) Therapeutic effect of human ApoA-I-Milano variant in aged transgenic mouse model of Alzheimer's disease. British journal of pharmacology.

Wagner J, et al. (2022) Medin co-aggregates with vascular amyloid-? in Alzheimer's disease. Nature, 612(7938), 123.

Shigemori K, et al. (2022) Peripheral A? acts as a negative modulator of insulin secretion. Proceedings of the National Academy of Sciences of the United States of America, 119(12), e2117723119.

Ziegler-Waldkirch S, et al. (2022) Seed-induced A? deposition alters neuronal function and impairs olfaction in a mouse model of Alzheimer's disease. Molecular psychiatry, 27(10), 4274.

Zattoni M, et al. (2022) Serpin Signatures in Prion and Alzheimer's Diseases. Molecular neurobiology, 59(6), 3778.

Marazuela P, et al. (2022) Impact of Cerebral Amyloid Angiopathy in Two Transgenic Mouse Models of Cerebral ?-Amyloidosis: A Neuropathological Study. International journal of molecular sciences, 23(9).

Dhandapani R, et al. (2022) Sustained Trem2 stabilization accelerates microglia heterogeneity and A? pathology in a mouse model of Alzheimer's disease. Cell reports, 39(9), 110883.

Yang S, et al. (2021) IKK2/NF-?B Activation in Astrocytes Reduces amyloid ? Deposition: A Process Associated with Specific Microglia Polarization. Cells, 10(10).

Marazuela P, et al. (2021) MFG-E8 (LACTADHERIN): a novel marker associated with cerebral amyloid angiopathy. Acta neuropathologica communications, 9(1), 154.

Giménez-Llort L, et al. (2021) Survival Bias and Crosstalk between Chronological and Behavioral Age: Age- and Genotype-Sensitivity Tests Define Behavioral Signatures in Middle-Aged, Old, and Long-Lived Mice with Normal and AD-Associated Aging. Biomedicines, 9(6).