

**B6.Cg-Tg(Prnp-App/APPswe)E1-2Dbo/Mmjax**

MMRRC Stock No: **34835-JAX**

 Congenic, Transgenic

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### Donating Investigator

Dr. David R Borchelt, University of Florida

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## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(Prnp-App/APPswe)E1-2Dbo

#### Alele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

VIEW GENETICS

## RESEARCH APPLICATIONS

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

## – Detailed Description

These transgenic mice express a chimeric mouse/human amyloid precursor protein (APP<sup>swe</sup>) under the control of the mouse prion protein promoter. Mice that are hemizygous for the transgene are viable and fertile. More than half of the female hemizygous mice do not survive past 15 months of age. This mutant mouse strain may be useful in studies of Alzheimer's Disease.

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## + Development

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## + Expression Data

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## + Selected References

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## – Genetics

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## + Tg(Prnp-App/APP<sup>swe</sup>)E1-2Dbo

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## – Disease/Phenotype

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## + Disease Terms

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## + Research Areas By Phenotype

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## + Mammalian Phenotype Terms by Genotype

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## + References

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## – Technical Support

C O N T A C T   T E C H N I C A L   S U P P O R T

Genotyping Protocols

Standard PCR:[Generic Tg\(APP\)](#)

[Genotyping resources and troubleshooting](#)

## Breeding Considerations

When maintaining a live colony, these mice are bred as hemizygotes.

### [Additional Breeding and Husbandry Support](#)

## Citation

When using the B6.Cg-Tg(Prnp-App/APP<sup>swe</sup>)E1-2Dbo/Mmjax mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #34835 in your Materials and Methods section.

## Animal Health Reports

[Facility Barrier Level Descriptions](#)

*Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200*

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Phone: 207-288-6470

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