

FVB/N-Wee1^{Tg(Tyr)2416BOve}/Mmjax

MMRRC Stock No: 36242-JAX

Coisogenic, Transgenic

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transgene (LV2187). Using inverse PCR analysis, the transgene integration site was identified in intron 5 of the WEE 1 homolog 1 gene (*Wee1*) on chromosome 7 (specifically at the 5'-117,273,626(+) bp position in antisense orientation). The donating investigator reports the phenotype of homozygous mice as: may be lethal at embryonic day (E)7.

Donating Investigator

Paul A Overbeek, Baylor College of Medicine

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GENETIC OVERVIEW

Genetic Background

Generation

Wee1^{Tg(Tyr)2416BOve}

Alele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

VIEW ALL RESEARCH APPLICATIONS

Details

Detailed Description

These OVE#2416B mice harbor a mutation created by random insertion of the Tyro-sd-IRES-loxP-FUGW lentiviral transgene (LV2187). Using inverse PCR analysis, the transgene integration site was identified in intron 5 of the WEE 1 homolog 1 gene (*Wee1*) on chromosome 7 (specifically at the 5'-117,273,626(+) bp position in antisense orientation). The donating investigator reports the phenotype of homozygous mice as: may be lethal at embryonic day (E)7.

Development

Expression Data

Control Suggestions

Genetics

Wee1^{Tg(Tyr)2416BOve}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols
Separated PCR: [Wee1-3'](#)
[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred together, bred with wildtype siblings, or bred with FVB/N inbred mice.

[Additional Breeding and Husbandry Support](#)

Citation

When using the FVB/N-*Wee1*^{Tg(Tyr)2416BOve}/Mmjax mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #36242 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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Q U E S T I O N S A B O U T T E R M S O F U S E

LICENSING INFORMATION

Phone: 207-288-6470

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🔍 Related Strains

All

By Allele

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By Collection



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