

**FVB/N-Pole** <sup>*Tg(Tyr)2300A-1b1b1Ove*</sup> /MmjaxMMRRC Stock No: **36239-JAX** **Coisogenic, Transgenic**[ORDER AT MMRRC JAX](#)[Email](#) [Download PDF](#) [Help](#)

transgene (LV2177). Using inverse PCR analysis, the transgene integration site was identified in intron 40 of the polymerase (DNA directed), epsilon gene (*Pole*) on chromosome 5 (specifically at the 3'-110,758,002(+) bp position in sense orientation). The donating investigator reports the phenotype of homozygous mice as: embryonic day (E)7 lethal.

### Donating Investigator

Paul A Overbeek, Baylor College of Medicine

[R E A D M O R E +](#)

## GENETIC OVERVIEW

**Genetic Background****Generation***Pole*<sup>*Tg(Tyr)2300A-1b1b1Ove*</sup>**Alele Type**

Transgenic (Inserted expressed sequence)

[V I E W G E N E T I C S](#)

## RESEARCH APPLICATIONS

Developmental Biology Research

[V I E W A L L R E S E A R C H A P P L I C A T I O N S](#)

## Details

### Detailed Description

These OVE#2300A-1b1b1 mice harbor a mutation created by random insertion of the Tyro-WPRE-FUGW lentiviral transgene (LV2177). Using inverse PCR analysis, the transgene integration site was identified in intron 40 of the polymerase (DNA directed), epsilon gene (*Pole*) on chromosome 5 (specifically at the 3'-110,758,002(+) bp position in sense orientation). The donating investigator reports the phenotype of homozygous mice as: embryonic day (E)7 lethal.

### Development

### Expression Data

### Control Suggestions

## Genetics

### *Pole*<sup>Tg(Tyr)2300A-1b1b1Ove</sup>

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

Genotyping Protocols  
Separated PCR:[Pole-5'](#)  
[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](#)

### Mating System

Wild-type x Heterozygote

Heterozygote x Wild-type

### Citation

When using the FVB/N-*Pole*<sup>Tg(Tyr)2300A-1b1b1Ove</sup>/Mmjax mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #36239 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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