

FVB/N-*Pfas*<sup>Tg(Tyr)2307COve</sup>/Mmjax

MMRRC Stock No: 36234-JAX

 Coisogenic, Transgenic

ORDER AT MMRRC JAX

[Email](#) [Download PDF](#) [Help](#)

(LV2177). Using inverse PCR analysis, the lentiviral integration site was identified in intron 1 of the phosphoribosylformylglycinamide synthase gene (*Pfas*) on chromosome 11. The 3'-LTR is linked to the (+) strand of DNA at position 68,817,979 bp [NCB137/mm9; 3'-68,817,979(+)]. The lentivirus is inserted in the antisense orientation relative to the disrupted mouse gene. 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

*Pfas*<sup>Tg(Tyr)2307COve</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 OVE2307C mice harbor a mutation created by random insertion of the Tyro-WPRE-FUGW lentiviral transgene (LV2177). Using inverse PCR analysis, the lentiviral integration site was identified in intron 1 of the phosphoribosylformylglycinamide synthase gene (*Pfas*) on chromosome 11. The 3'-LTR is linked to the (+) strand of DNA at position 68,817,979 bp [NCB137/mm9; 3'-68,817,979(+)]. The lentivirus is inserted in the antisense orientation relative to the disrupted mouse gene. The donating investigator reports the phenotype of homozygous mice as: embryonic day (E)7 lethal.

---

### Development

---

### Expression Data

---

### Control Suggestions

---

## Genetics

---

### *Pfas*<sup>Tg(Tyr)2307COve</sup>

---

## Disease/Phenotype

---

### Disease Terms

---

### Research Areas By Phenotype

---

### Mammalian Phenotype Terms by Genotype

---

### References

---

## Technical Support

## Genotyping Protocols

Separated PCR:[Pfas-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](#)

## Citation

When using the FVB/N-*Pfas*<sup>Tg(Tyr)2307COve</sup>/Mmjax mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #36234 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](#)*

## THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

## Terms Of Use

### TERMS OF USE

[General Terms and Conditions](#)

[See MMRRC for Additional Conditions of Distribution](#)

## LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

## Related Strains

All

By Allele

By Gene

By Collection



### DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

LEARN MORE



CONTACT



DONATE



SUBSCRIBE

JAX HOME CAREERS LEGAL INFORMATION

RESEARCH CENTERS MOUSE GENOME INFORMATICS

MOUSE PHENOME DATABASE

*Leading the search for*

# TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region



^ E E E D B

Did you find what you were looking for?

Yes  No