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transgene (LV2187). The donating investigator reports the phenotype of homozygous mice as: hydrops fetalis (edema) and anemia at embryonic day (E)15 .

### Donating Investigator

Paul A Overbeek, Baylor College of Medicine

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## GENETIC OVERVIEW

Genetic Background

Generation

*Sympk*<sup>Tg(Tyr)2381AOve</sup>

### Alele Type

Transgenic (Hypomorph)

VIEW GENETICS

## RESEARCH APPLICATIONS

Developmental Biology Research  
Hematological Research

VIEW ALL RESEARCH APPLICATIONS

## Details

### Detailed Description

These OVE#2381A 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 symplekin gene (*Sympk*) on chromosome 7 (specifically at the 5'-19,616,966(+) bp position in antisense orientation). The donating investigator reports the phenotype of homozygous mice as: hydrops fetalis (edema) and anemia at embryonic day (E)15 .

### Development

### Expression Data

### Control Suggestions

## Genetics

### *Sympk*<sup>Tg(Tyr)2381AOve</sup>

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## 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  
Separated PCR:[Sympk-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-*Sympk*<sup>Tg(Tyr)2381A<sup>Ove</sup></sup>/Mmjax mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #36263 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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## 🔍 Related Strains

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