

## FVB/NJ-Tg(Tyr)3412ARpw/EiJ

Stock No: 003562

 Coisogenic, Transgenic

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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### GENETIC OVERVIEW

Genetic Background

Generation

001800 FVB/NJ

#### Tg(Tyr)3412ARpw

**Alele Type**

Transgenic (Inserted expressed sequence)

VIEW GENETICS

### RESEARCH APPLICATIONS

Developmental Biology Research

Research Tools

VIEW ALL RESEARCH APPLICATIONS

### BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

## Details

### Detailed Description

This strain is segregating for Tg(Tyr)3412ARpw and homozygous for agouti (*A*) and albino (*Tyr<sup>c</sup>*). Mice of this strain that are carrying Tg(Tyr3412)ARpw are pigmented while those not carrying Tg(Tyr3412)ARpw are albino. On an albino background like this, the X-linked transgene Tg(Tyr)3412ARpw permits visual identification of sex as early as embryonic day 10.5 when eye pigment is discernible. Because Tg(Tyr)3412ARpw inserted into the X Chromosome, breeding a carrier male with a noncarrier (wild-type) female results in embryos in which all XX individuals develop coat and eye pigment, due to the Tg(Tyr)3412ARpw inherited from their father, while all XY individuals have a non-pigmented coat and eyes, having inherited a wild-type X Chromosome from their mother.

### Development

### Expression Data

### Selected References

## Genetics

### Tg(Tyr)3412ARpw

## 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

[Genotyping resources and troubleshooting](#)

#### Appearance

albino female

Related Genotype:  $A/A \text{ Tyr}^c / \text{Tyr}^c +/+$

albino male

Related Genotype:  $A/A \text{ Tyr}^c / \text{Tyr}^c +/Y$

mottled gray-brown female

Related Genotype:  $A/A \text{ Tyr}^c / \text{Tyr}^c \text{ Tg}(\text{Tyr})3412\text{ARpw}/+$

dark gray-brown male

Related Genotype:  $A/A \text{ Tyr}^c / \text{Tyr}^c \text{ Tg}(\text{Tyr})3412\text{ARpw}/Y$

View [images of coat colors](#) for this strain.

#### Citation

When using the FVB/NJ-Tg(Tyr)3412ARpw/EiJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003562 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](#)*

## Pricing & Availability



Cryo  
Recovery

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

## Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

### CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	X linked- Hemizygous females and Non carrier males for Tg(Tyr)3412ARpw, 1 pair minimum	\$2,854.50

## PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

## 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

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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

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

### Related Strains

All

By Allele

By Gene

By Collection






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