



# R I I I S / J

Stock No: 000683

Inbred Strain

Not Available

NOT AVAILABLE AT JAX

C O N T A C T   T E C H N I C A L   S U P P O R T

Please contact Technical Support for more information

## Overview

Also Known As: R3

**This strain is no longer available as it has become extinct.**

RIIS/J mice have prolonged bleeding times with normal platelet activity and low levels of factor VIII:C and plasma von Willebrand factor antigen, making it a good animal model for human von Willebrand disease. RIIS/J mice also produce a low antibody response to several bacterial polysaccharide antigens and are reported to be resistant to collagen induced arthritis. RIIS/J mice carry a spontaneous mutation, *ldis1*, that leads to a partial or complete disruption of the lens and cataract formation.

R E A D   M O R E   +

## GENETIC OVERVIEW

Genetic Background

Generation

V I E W   G E N E T I C S

## RESEARCH APPLICATIONS

Hematological Research

Sensorineural Research

Immunology, Inflammation and Autoimmunity Research

Research Tools

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

This strain is currently unavailable due to replenishing of cryopreserved stocks.

RIIS/J mice have prolonged bleeding times with normal platelet activity and low levels of factor VIII:C and plasma von Willebrand factor antigen, making it a good animal model for human von Willebrand disease. This bleeding tendency is an incomplete dominant, autosomal trait. RIIS/J mice also produce a low antibody response to several bacterial polysaccharide antigens and are reported to be resistant to collagen induced arthritis. Despite a B cell immunodeficiency, RIIS/J mice develop severe experimental autoimmune myasthenia gravis (EAMG) (Tuzun et al., 2004).

RIIS/J have a high incidence of mammary tumors and ovarian tumors. RIIS/J mice carry Mtv8, and Mtv14, but high incidence of tumors has not been reported in these mice. In fact, some studies indicate a resistance to chemically induced tumors. RIIS/J mice have been reported to develop far fewer lung tumors than A/J or SWR/J mice subsequent to Urethan treatment. BALB/c x RIIS F1 males are also highly resistant to diethylstilbesterol-cholesterol induced testicular tumors even though BALB/c is highly susceptible. RIIS/J mice carry a spontaneous mutation, *Idis1*, that leads to a partial or complete disruption of the lens and cataract (Jablonski M, et al, 2004).

### + Development

### + Selected References

## – Genetics

### + *Mx1<sup>st</sup>*

## – Disease/Phenotype

### + Disease Terms

### + Research Areas By Genotype

### + Mammalian Phenotype Terms by Genotype

### + Phenotype Information

### + References

## – Technical Support

C H A T   O  F L I N E

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](#)

## Dietary Information

LabDiet® 5K52 formulation (6% fat)

## Appearance

albino

Related Genotype:  $Tyr^c/Tyr^c$

## Terms Of Use

### Terms of Use

[General Terms and Conditions](#)

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)

### JAX® Mice, Products & Services Conditions of Use

"MICE" means mouse strains, their progeny derived by inbreeding or crossbreeding, unmodified derivatives from mouse strains or their progeny supplied by The Jackson Laboratory ("JACKSON"). "PRODUCT(S)" means biological materials supplied by JACKSON, and their derivatives. "SERVICES" means projects conducted by JACKSON for other parties that may include but are not limited to the use of MICE or PRODUCTS. "RECIPIENT" means each recipient of MICE, PRODUCTS, or SERVICES provided by JACKSON including each institution, its employees and other researchers under its control. MICE or PRODUCTS shall not be: (i) used for any purpose other than internal research, (ii) sold or otherwise provided to any third party for any use, or (iii) provided to any agent or other third party to provide breeding or other services. Acceptance of MICE, PRODUCTS or SERVICES from JACKSON shall be deemed as agreement by RECIPIENT to these conditions, and departure from these conditions requires JACKSON's prior written authorization.

#### No Warranty

MICE, PRODUCTS AND SERVICES ARE PROVIDED "AS IS". JACKSON EXTENDS NO WARRANTIES OF ANY KIND, EITHER EXPRESS, IMPLIED, OR STATUTORY, WITH RESPECT TO MICE, PRODUCTS OR SERVICES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF NON-INFRINGEMENT OF ANY PATENT, TRADEMARK, OR OTHER INTELLECTUAL PROPERTY RIGHTS.

### Credit for PRODUCTS or SERVICES

In case of dissatisfaction for a valid reason and claimed in writing by a purchaser within ninety (90) days of receipt of, PRODUCTS or SERVICES, JACKSON will, at its option, provide credit or replacement for the PRODUCT received or the SERVICES provided; JACKSON makes no other representations and this shall be the exclusive remedy of the purchaser. [Please note specific policy for live mice.](#)

### Animal Care and Use for SERVICES

Consistent with the requirement for a written understanding regarding animal care and use, the JACKSON Animal Care and Use Committee will review the animal care and use protocol(s) associated with any SERVICES to be performed at JACKSON, and JACKSON shall have ultimate responsibility and authority for the care of animals while on site or in JACKSON custody.

#### No Liability

In no event shall JACKSON, its trustees, directors, officers, employees, and affiliates be liable for any causes of action or damages, including any direct, indirect, special, or consequential damages, arising out of the provision of MICE, PRODUCTS, or SERVICES, including economic damage or injury to property and lost profits, and including any damage arising from acts or negligence on the part of JACKSON, its agents or employees. Unless prohibited by law, in purchasing or receiving MICE, PRODUCTS, or SERVICES from JACKSON, purchaser or recipient, or any party claiming by or through them, expressly releases and discharges JACKSON from all such causes of action or damages, and further agrees to defend and indemnify JACKSON from any costs or damages arising out of any third party claims.

MICE, PRODUCTS or SERVICES are to be used in a safe manner and in accordance with all applicable governmental rules and regulations.

The foregoing represents the General Terms and Conditions applicable to JACKSON's MICE, PRODUCTS or SERVICES. In

addition, special terms and conditions of sale of certain MICE, PRODUCTS, or SERVICES may be set forth separately in JACKSON web pages, catalogs, price lists, contracts, and/or other documents, and these special terms and conditions shall also govern the sale of these MICE, PRODUCTS and SERVICES by JACKSON, and by its licensees and distributors. Acceptance of delivery of MICE, PRODUCTS or SERVICES shall be deemed agreement to these terms and conditions. No purchase order or other document transmitted by purchaser or recipient that may modify the terms and conditions hereof, shall be in any way binding on JACKSON, and instead the terms and conditions set forth herein, including any special terms and conditions set forth separately, shall govern the sale of MICE, PRODUCTS or SERVICES by JACKSON.

## ☰ Related Strains

All

By Allele

By Gene

By Collection

All Related Strains



### 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 PRIVACY POLICY TERMS OF USE

RESEARCH CENTERS MOUSE GENOME INFORMATICS

# MOUSE PHENOME DATABASE

*Leading the search for*  
**TOMORROW'S CURES**

---

©2020 THE JACKSON LABORATORY

Choose other country or region 