

BXD45/RwwJ

Stock No: **007096**

 Recombinant Inbred (RI)

Live mice available in varying quantities. Ask Customer Service for details.

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complex physiologic phenotypes (including differences in organ weight and bone mineral density).

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GENETIC OVERVIEW

Genetic Background

Generation

F20+25

(2020-04-29 00:00:00)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

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BASE PRICE

Starting at:

\$139.90 Domestic price for female 4-week

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Details

Detailed Description

The BXD recombinant inbred (RI) strains are used to study the genetics of behavioral phenotypes including alcohol and drug addiction, stress, and locomotor activity. The BXD set of RI strains also are used in the genetic analysis of numerous complex or potentially complex physiologic phenotypes including differences in organ weight and bone mineral density.

The BXD#/Rww set was generated using a strategy of advanced intercrosses (AI). The AI technique produces recombinant RI strains which incorporate approximately twice as many recombinations as the standard RI strains. The addition of the AI BXD RI lines to the existing BXD set creates the largest of the mouse RI mapping panels. This set is useful in QTL mapping and analysis of gene function.

The strain distribution pattern (SDP) for the BXD RI strains is available through the Mouse Genome Informatics

[Contributed Data Sets](#) and [Gene Network](#).

Additional tools and information are presented through the Mouse Phenome Database

[Specialized Strain Panel Query Form](#), and

[Gene Network](#) .

Development

Control Suggestions

Selected References

Genetics

Currently there are no related genes or alleles for this strain.

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

Phenotype Information

+ 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](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Mating System

Sibling x Sibling

Appearance

dilute brown

Related Genotype: *a/a Tyrp1^b / Tyrp1^b Myo5a^d / Myo5a^d*

Citation

When using the BXD45/RwwJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007096 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

- Pricing & Availability



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Available

Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

Live Mouse

AGE	SEX	PRICE
4 weeks	Female	\$139.90
	Male	\$139.90
5 weeks	Female	\$139.90
	Male	\$139.90
6 weeks	Female	\$139.90

	SEX	\$139.90
7 weeks	Female	\$139.90
	Male	\$139.90
8 weeks	Female	\$139.90
	Male	\$139.90
9 weeks	Female	\$139.90
	Male	\$139.90
10 weeks	Female	\$139.90
	Male	\$139.90
11 weeks	Female	\$139.90
	Male	\$139.90
12 weeks	Female	\$139.90
	Male	\$139.90

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Phone: 207-288-6470

Email: TechTran@jax.org

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