Overview

The BXD set of RI strains is used in the genetic analysis of numerous complex or potentially complex physiologic phenotypes. The BXD strains are derived from the C57BL/6J (Stock No. 000664) and DBA/2J (Stock No. 000671) progenitor strains.

GENETIC OVERVIEW

Genetic Background  Generation

F39+47
(2019-10-04 00:00:00)

RESEARCH APPLICATIONS

Neurobiology Research
Research Tools

Live mice available in varying quantities. Ask Customer Service for details.
The BXD 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 is used in the genetic analysis of numerous complex or potentially complex physiologic phenotypes including differences in organ weight and bone mineral density. 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.

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
Genotyping Protocols

Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Mating System
Sibling x Sibling

Appearance
steel grey

Related Genotype:

\[ a/a \text{ Tyrp1}^+ / \text{Tyrp1}^+ \text{ Myo5a}^d / \text{Myo5a}^d \]

Citation

When using the BXD33/TyJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #003222 in your Materials and Methods section.

Animal Health Reports

Facility Barrier Level Descriptions

FGB29 (Standard)

Pricing & Availability

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

Available

<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
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</thead>
</table>

Pricing effective for USA, Canada and Mexico shipping destinations

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>$139.90</td>
</tr>
<tr>
<td></td>
<td>Male</td>
<td>$139.90</td>
</tr>
</tbody>
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suggest ordering and performing tests on a small number of mice to determine suitability for your particular project.

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Phone: 207-288-6470
Email: TechTran@jax.org

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