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

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>F144p+F4</td>
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Myo5ad

<table>
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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tr>
<td>Spontaneous</td>
<td>Myo5a</td>
<td>myosin VA</td>
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RESEARCH APPLICATIONS

- Neurobiology Research
- Research Tools
- Dermatology Research
- Mouse/Human Gene Homologs

BASE PRICE

Starting at:
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.

Genetics

Myo5ad

Disease/Phenotype

Disease Terms

Research Areas By Phenotype
Mammalian Phenotype Terms by Genotype

Phenotype Information

References

Technical Support

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 Tyrp1b/Tyrp1b Myo5a d/Myo5a d
Citation
When using the BXD9/TyJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #000105 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

AX10 (Standard)

Pricing & Availability

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

Available

Live Mouse

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Related Strains

All
Choose other country or region

Did you find what you were looking for?
    ✔ Yes ▼ No