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.

**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.
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 Genotype
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
black

Related Genotype:
\[ a/a \text{ Tyrp1}^+/\text{Tyrp1}^+ \text{ Myo5a}^+/\text{Myo5a}^+ \]

Citation
When using the BXD11/TyJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #000012 in your Materials and Methods section.

Animal Health Reports

 Available

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

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<th>AGE</th>
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<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>$139.90</td>
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<tr>
<td></td>
<td>Male</td>
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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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**Related Strains**

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All Related Strains