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 BXD strains are derived from the C57BL/6J (Stock No. 000664) and DBA/2J (Stock No. 00671) progenitor strains.
**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.

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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**

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

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<sup>b</sup> / Tyrp1<sup>b</sup> Myo5a<sup>d</sup> / Myo5a<sup>d</sup>

Citation
When using the BXD61/RwwJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #007106 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.

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<th>Live Mouse</th>
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Related Strains

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