The BXD#/#Rww recombinant inbred (RI) strains originate from crosses between C57BL/6J females and DBA/2J males and were generated using a strategy of advanced intercrosses (AI). They may be used to study the genetics of behavioral phenotypes (including alcohol and drug addiction, stress, and locomotor activity) and complex or potentially complex physiologic phenotypes (including differences in organ weight and bone mineral density).

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>F7*+26</td>
<td>(2020-09-17 00:00:00)</td>
</tr>
</tbody>
</table>

**RESEARCH APPLICATIONS**

Research Tools

**BASE PRICE**

Starting at:

$139.90 Domestic price for female
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.

Currently there are no related genes or alleles for this strain.
RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo  BXD55/RwwJ Frozen Embryos  $2595.00

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Genotyping resources and troubleshooting
Dietary Information
LabDiet® 5K52 formulation (6% fat)

Mating System
Sibling x Sibling
Appearance
brown
Related Genotype: a/a Tyrp1<sup>b</sup> / Tyrp1<sup>b</sup>
Citation
When using the BXD55/RwwJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #007103 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

FGB29 (Standard)

Pricing & Availability

Available

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

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

<table>
<thead>
<tr>
<th>LIVE MOUSE</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>
</table>

- References
- Technical Support
PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

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TERMS OF USE

General Terms and Conditions

ADDITIONAL USE RESTRICTIONS APPLY

Use of MICE by companies or for-profit entities requires a license prior to shipping.

LICENSING INFORMATION

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

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains