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 Background

F60p+58
(2019-10-04 00:00:00)

RESEARCH APPLICATIONS

Neurobiology Research

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 both the BXD RI strains is available through the Mouse Genome Informatics Contributed Data Sets.

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.
Genotyping Protocols
Genotyping resources and troubleshooting
Dietary Information
LabDiet® 5K52 formulation (6% fat)
Breeding Considerations
Mice of this strain are prone to seizures beginning at about 6 weeks of age. The mice recover from initial seizures, but seizures are sometimes fatal in mice older than 10 weeks. It is recommended that these mice be housed in a quiet area, away from traffic, noise and activity. Cages should be changed only as frequently as necessary, preferably by the same technician, and mice should be handled slowly and gently. Changes in diet, e.g., increasing/decreasing fat content, have not been found to eliminate seizures. The strain is currently maintained on NIH-31, 6% fat.

Additional Breeding and Husbandry Support
Mating System
Sibling x Sibling
Appearance
chocolate brown
Related Genotype: a/a Typr1b/Typr1b Myo5a+/Myo5a+
Citation
When using the BXD13/TyJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #000040 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

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

Available

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>
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<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>
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Related Products and Services
Frozen Mouse Embryo
BXD13/TyJ Frozen Embryos $2595.00

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.

The Jackson Laboratory’s Genotype Promise

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. Therefore, we cannot guarantee a strain's phenotype will meet all expectations. To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project.

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Terms Of Use

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains

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