The CXB set of RI strains is used in the genetic analysis of numerous complex or potentially complex physiologic phenotypes including differences in thyroid function (Graves' disease) and pulmonary inflammation as well as behavioral phenotypes including avoidance, exploration and locomotor activity. The CXB set is derived from the BALBc/ByJ (Stock No. 001026) and C57BL/6ByJ (Stock No. 001139) progenitor strains.
**Details**

**Detailed Description**

The CXB set of RI strains is used in the genetic analysis of numerous complex or potentially complex physiologic phenotypes including differences in thyroid function (Graves’ disease) and pulmonary inflammation as well as behavioral phenotypes including avoidance, exploration and locomotor activity.

The CXB set is so small that markers on different chromosomes occasionally have almost precisely the same SDP. This produces high non-syntenic association and false linkage between variance in phenotypes and genotypes. Please examine the correlation coefficients of markers close to interest loci with ALL other markers to evaluate the risk of non-syntenic association.

The strain distribution pattern (SDP) for the CXB 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**

**References**
Genotyping Protocols
Genotyping resources and troubleshooting

Appearance
albino
Related Genotype: Tyr<sup>®</sup>/Tyr<sup>®</sup>

Citation
When using the CXB13/HiAJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #001634 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

<table>
<thead>
<tr>
<th>Domestic</th>
<th>Pricing effective for USA, Canada and Mexico shipping destinations</th>
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<tbody>
<tr>
<td>Service/Product</td>
<td>Description</td>
</tr>
<tr>
<td>Cryo Recovery</td>
<td>Inbred, 1 pair minimum will be supplied</td>
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</tbody>
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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains

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