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.

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

GENETIC OVERVIEW

RESEARCH APPLICATIONS

Research Tools
Neurobiology Research

BASE PRICE

Starting at:
$2,854.50 Domestic price Cryo Recovery
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.

Currently there are no related genes or alleles for this strain.
Genotyping Protocols
Genotyping resources and troubleshooting

Appearance
brown agouti
Related Genotype: A/A Tyrp1^b/Tyrp1^b Tyr^+ /Tyr^+

Citation
When using the CXB11/HiAJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #001632 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.

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Payment Terms and Conditions

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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. We do not guarantee breeding performance and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

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**Terms Of Use**

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Email: TechTran@jax.org

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains

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DO YOU NEED BALB/c MICE?
Rely on JAX to provide the models you need, when you need them.