Overview

Also Known As: B6.A-Chr10, CSS-10, CSS-10, CSS10, B6.A-Chr10

Chromosome 10 from A/J has replaced the homologous chromosome of C57BL/6J in this set of consomic strains with C57BL/6J as background.
A chromosome substitution or consomic strain is an inbred strain with one of its chromosomes replaced by the homologous chromosome of another inbred strain. The C57BL/6J and A/J strains in this set were chosen because they differ in their susceptibility to diseases such as arthritis, asthma, atherosclerosis, cancer, several infectious diseases, inflammatory responses, and physiological, behavioral and sensory phenotypes. Chromosome substitution strain nomenclature is designated as Host Strain - Chromosome #<Donor Strain>/Laboratory code. For example, C57BL/6J-Chr1^A/NaJ carries chromosome 1 for strain A/J (A) on a C57BL/6J background, was constructed in the laboratory of Joseph Nadeau (Na) and is maintained at The Jackson Laboratory (J). Chromosome substitution strains or consomic strains can accelerate quantitative trait loci identification and mapping.
Genotyping Protocols
Genotyping resources and troubleshooting

Appearance
black
Related Genotype: a/a

Citation
When using the C57BL/6J mouse strain in a publication, please cite the originating article(s) and include JAX stock #004388 in your Materials and Methods section.

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

Pricing & Availability

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Homozygous, 1 pair minimum</td>
<td>$2,854.50</td>
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Related Products and Services

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Mouse ES Cells</td>
<td>C57BL/6J-Chr 10A/J/NaJ AC446/GrsrJ mES cells</td>
<td>$695.00</td>
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<tr>
<td>Frozen Mouse Embryo</td>
<td>C57BL/6J-Chr 10&lt;A/J&gt;/NaJ Frozen Embryos</td>
<td>$2595.00</td>
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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains