Chromosome 6 from A/J has replaced the homologous chromosome of C57BL/6J in this strain of the set of consomic strains with C57BL/6J as background.

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

Chromosome 6 from the A/J inbred strain contains the naturally-occurring, progressive muscular dystrophy mutation of the dysferlin gene (Dys<sup>prmd</sup>). As a result of Dys<sup>prmd</sup> homozygosity, A/J inbred mice exhibit a late onset (four to five months) progressive muscular dystrophy characterized by degeneration/regeneration and placed nuclei, with proximal muscles more severely affected than distal muscles.

Currently there are no related genes or alleles for this strain.
Technical Support

Genotyping Protocols
Genotyping resources and troubleshooting

Appearance
black
Related Genotype: $a/a$

Citation
When using the CSS-6 mouse strain in a publication, please cite the originating article(s) and include JAX stock #004384 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>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Homozygous, 1 pair minimum</td>
<td>$2,854.50</td>
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CRYORECOVERY - DOMESTIC PRICING

RELATED PRODUCTS AND SERVICES

<table>
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<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mouse ES Cells</td>
<td>C57BL/6J-Chr 6A/J/Naj178/GrsrJ mES cells</td>
<td>$695.00</td>
</tr>
<tr>
<td>Frozen Mouse Embryo</td>
<td>C57BL/6J-Chr 6&lt;A/J&gt;/NaJ Frozen Embryos</td>
<td>$2595.00</td>
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</table>
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Phone: 207-288-6470
Email: TechTran@jax.org

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