Chromosome 18 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^A/J 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 CSS-18 mouse strain in a publication, please cite the originating article(s) and include JAX stock #004396 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>
</tr>
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Related Products and Services

Frozen Mouse Embryo  C57BL/6J-Chr 18<A/J>/NaJ 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.

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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
caracterized 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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Additional Use Restrictions Apply

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Phone: 207-288-6470
Email: TechTran@jax.org

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Please note specific policy for live mice.

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Related Strains

- All
- By Allele
- By Gene
- By Collection

All Related Strains