These mutant mice possess an engineered duplication of approximately 0.39 Mb of mouse Chromosome 7, a region that shares
conserved synteny with the Autism spectrum disorders critical interval on human Chromosome 16. This mutant mouse may be useful in studying Autism and other associated disorders.

Donating Investigator
Dr. Alea A. Mills, Cold Spring Harbor Laboratory

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dp(7Slx1b-Sept1)5Aam</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Not Applicable)</td>
<td>Dp(7Slx1b-Sept1)5Aam</td>
<td>duplication, Chr 7, Alea A Mills 5</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS

Neurobiology Research
Mouse/Human Gene Homologs

BASE PRICE

Starting at:
$2,854.50 Domestic price Cryo Recovery

Details

These mutant mice possess an engineered duplication of approximately 0.39 Mb of mouse Chromosome 7. The region involved encompasses a chromosomal segment, between the GIY-YIG domain containing 2 (Giyd2) gene and the septin 1 (Sept1) loci, that shares conserved synteny with Autism spectrum disorders (ASD) critical interval on human Chromosome 16, specifically the 16p11.2 region. Homozygous mutant mice are viable and fertile. These mice exhibit neuroanatomical and behavioral phenotypes. This mutant mouse may be useful in studying Autism and other associated disorders.

(Mice bearing the reciprocal deficiency mutation are also available (see Stock No. 013128)
Genotyping Protocols
Separated PCR: Dp(7Slx1b-Sept1)5Aam
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, hemizygous mice are bred to B6129SF1/J mice (Stock No. 101043) each generation.
Additional Breeding and Husbandry Support

Citation
When using the B6129S-Dp(7Slx1b-Sept1)5Aam/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #013129 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.
Cryo Recovery

Pricing effective for USA, Canada and Mexico shipping destinations

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Dp(7Giyd2-Sept1)1Aam</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

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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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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains