**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td><strong>Rmcf&lt;sup&gt;s&lt;/sup&gt;</strong></td>
<td>Gene Symbol</td>
</tr>
<tr>
<td>Allele Type</td>
<td>Spontaneous</td>
</tr>
<tr>
<td><strong>Mx1&lt;sup&gt;s1&lt;/sup&gt;</strong></td>
<td>Gene Symbol</td>
</tr>
<tr>
<td>Allele Type</td>
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</tr>
<tr>
<td><strong>Ahr&lt;sup&gt;b-2&lt;/sup&gt;</strong></td>
<td>Gene Symbol</td>
</tr>
<tr>
<td>Allele Type</td>
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</tr>
<tr>
<td><strong>Bmp5&lt;sup&gt;se&lt;/sup&gt;</strong></td>
<td>Gene Symbol</td>
</tr>
<tr>
<td>Allele Type</td>
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</tr>
<tr>
<td><strong>Cox7a2&lt;sup&gt;l&lt;/sup&gt;s</strong></td>
<td>Gene Symbol</td>
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<tr>
<td>Allele Type</td>
<td>Not Applicable (Not)</td>
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</table>
SEA/Gn is a recombinant inbred strain derived from a BALB/c x P/J cross.

SEA/Gn mice are segregating the short ear (se) allele, a single point mutation in the bone morphogenetic protein 5 (Bmp5) gene. Mice homozygous for se have ears that are short and ruffled as a result of defects in the cartilage framework.

Details

Detailed Description

SEA/Gn is a recombinant inbred strain derived from a BALB/c x P/J cross. SEA/Gn mice are segregating the short ear (se) allele, a single point mutation in the bone morphogenetic protein 5 (Bmp5) gene. Mice homozygous for se have ears that are short and ruffled as a result of defects in the cartilage framework.

Development

Selected References
Appearance
light brown agouti, short ears
Related Genotype: A/Tyrp1^{b} / Tmp5^{b}  Bmp5^{se}  Myo5a^{d} / Bmp5^{se}  Myo5a^{d}

light brown agouti, normal ears
Related Genotype: A/Tyrp1^{b} / Tmp5^{b}  Bmp5^{se}  Myo5a^{d} /+  Myo5a^{d}

Citation
When using the sea Green mouse strain in a publication, please cite the originating article(s) and include JAX stock #000644 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

Cryo Recovery

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

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<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Inbred</td>
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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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Terms Of Use

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

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Related Strains

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<tr>
<th>All</th>
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<tbody>
<tr>
<td>By Allele</td>
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<tr>
<td>By Gene</td>
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<tr>
<td>By Collection</td>
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All Related Strains

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