B6.129S6-Ptpn11^tmIs^/Mjjax

MMRRC Stock No: 32103-JAX

Congenic, Targeted Mutation

Overview

These mutant mice possess a loxP-STOP-loxP cassette between exons 2 and 3 and a D61Y point mutation in exon 3 of the protein tyrosine phosphatase, non-receptor type 11 (Ptpn11) gene and may be useful in generating conditional mutations to study cardiac defects, fatal myeloproliferative disorder (MPD) and juvenile myelomonocytic leukemia (JML).

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ptpn11^tmIs^</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Conditional ready (e.g. floxed), No functional change)</td>
<td>Ptpn11</td>
<td>protein tyrosine phosphatase, non-receptor type 11</td>
</tr>
</tbody>
</table>

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