B6;129P2-Pnpla2<sup>tm1Rze</sup>/J

Stock No: 019003 | ATGL-ko

Targeted Mutation

Overview

Also Known As: ATGL-ko

In this ATGL-ko strain a NEO cassette replaces exon 1 of the Pnpla2 (patatin-like phospholipase domain containing 2) gene. Homozygotes exhibit a shortened lifespan, abnormal lipid homeostasis, glucose tolerance, and cardiovascular physiology and have applications in studies of impaired cardiac function, thermogenesis and lipid and energy homeostasis.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td><strong>Pnpla2&lt;sup&gt;tm1Rze&lt;/sup&gt;</strong></td>
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<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Pnpla2</td>
<td>patatin-like phospholipase domain containing 2</td>
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</table>

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