Overview

This spontaneous mutation, which has not yet been defined molecularly, causes decreased body size and an abnormal retraction of the hind-limbs.

Genetic Overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ahlg</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>Spontaneous (Not Specified)</td>
<td>ahlg</td>
<td>abnormal hind leg</td>
</tr>
</tbody>
</table>

Research Applications

- Internal/Organ Research
- Neurobiology Research
- Developmental Biology Research
Homozygotes are approximately 25% smaller than normal littermates by 1 to 3 weeks of age and by 8 to 12 weeks of age begin to display hind-limb clasping in toward the body, instead of splaying the hind-legs, when lifted by the tail. This phenotype has variable expressivity and males have failed to breed but females will generally breed. Thinner growth plates of the tibia and femur with disorganized columns of chondrocytes were found in the one male assessed histologically.
Citation
When using the STOCK ahlg/GrsJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #021220 in your Materials and Methods section.

Related Strains

All

By Allele

By Gene

By Collection

All Related Strains