The rnu was identified as a nonsense mutation (1429C>T) of Foxn1 (alias Whn) gene. Genotyping by sequencing analysis.

**PCR condition**

<table>
<thead>
<tr>
<th>Taq polymerase</th>
<th>BIOTAQTM HS DNA Polymerase (Bioline Reagents Ltd., UK)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal cycler</td>
<td>PC-808(ASTEC)</td>
</tr>
<tr>
<td>PCR buffer</td>
<td>Ampdirect Plus</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PCR</th>
<th>°C</th>
<th>94</th>
<th>94</th>
<th>55</th>
<th>72</th>
<th>35</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>min</td>
<td>3</td>
<td>0.5</td>
<td>1</td>
<td>0.75</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**comment**

PCR method; Blood was applied to FTA®card (GE Healthcare UK Ltd., UK) and dried. 1.5mm FTA disc was removed from the bloody-stained region on FTA®card. Untreated sample discs were placed directly in 15μL PCR mixture containing 1×Ampdirect®Plus, 0.2μM each primer and 0.4 units of BIOTAQTM HS DNA Polymerase.

**Sequene: ABI3130x/**

- **Wild allele(+/+)**
- **Heterozygote(rnu+/)**
- **Mutant allele(rnu/rnu)**

**Strain harboring mutation**

F344.Cg-Foxn1<sup>rnu</sup>/Kyo, BUF.Cg-Foxn1<sup>rnu</sup>/Mna