

Gene symbol	<i>Foxn1</i> ^{rnu}			
primer	Sequence(5'-3')	Size	target gene	accession
Whn-ex8-F Whn-ex8-R	CCTCTACACCCAATGCATCC GCAGAGAGTATCGTGCATGGTC		<i>Foxn1</i>	XM_220632.4
comment	The rnu was identified as a nonsense mutation (1429C>T) of Foxn1 (alias Whn) gene. Genotyping by sequencing analysis.			

PCR condition							
Taq polymerase		BIOTAQ™ HS DNA Polymerase (Bioline Reagents Ltd., UK)					
Thermal cycler		PC-808(ASTEC)					
PCR buffer		Ampdirect Plus					
		first denature	denature	anneal	extension	cycle	final extension
PCR	°C	94	94	55	72	35	72
	min	3	0.5	1	0.75		3
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 15 µL PCR mixture containing 1 × Ampdirect®Plus, 0.2 µM each primer and 0.4 units of BIOTAQ™ HS DNA Polymerase.					

Sequenece: ABI3130x/	
Wild allele(+/+)	<p>Leu Phe Ser Gln Phe Asp T T G T T T T C A C A G C C A G A T</p>
Heterozygote(rnu/+)	
Mutant allele(rnu/rnu)	<p>Leu Phe Ser Stop T T G T T T T C A T A G C C A G A T</p>
Strain harboring mutation	F344.Cg- <i>Foxn1</i> ^{rnu} /Kyo, BUF.Cg- <i>Foxn1</i> ^{rnu} /Mna