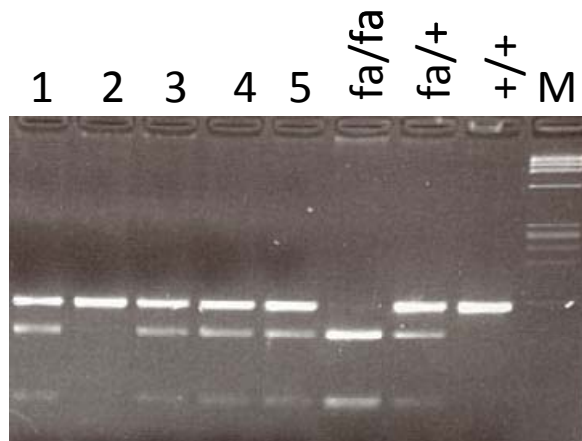


Gene symbol	<i>Lepr<sup>fa</sup></i>
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primer	Sequence(5'-3')	Size	target gene	accession
rObn-8 rObn-11	TATGGAAGTCACAGATGATGG CTTACGATTGTAGAATTCTCTAA	222bp	Lepr	NM_012596.1
comment				

PCR condition							
Taq polymerase		BIOTAQ™ HS DNA Polymerase (Bioline Reagents Ltd., UK)					
Thermal cycler		PC-808(ASTEC)					
PCR buffer		Ampdirect Plus					
		<b>first denature</b>	<b>denature</b>	<b>anneal</b>	<b>extension</b>	<b>cycle</b>	<b>final extension</b>
PCR	°C	94	94	50	72	40	72
	min	3	0.5	0.5	0.5		3
comment		①PCR 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 μ L PCR mixture containig 1 × Ampdirect®Plus, 0.2 μ M each primer and 0.4 units of BIOTAQ™ HS DNA Polymerase.					

Electrocataphoresis ;4% agarose gel 300V, 30min



M: (ϕX174/Hae III digest)

Strain harboring mutation	F344.Z- <i>Lepr<sup>fa</sup></i> /Tj , KZ- <i>Lepr<sup>fa</sup></i> /Tky
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