

Gene symbol	<i>Hr</i> ^{chr}
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primer	Sequence(5'-3')	Size	target gene	accession
rHr-05 rHr-06	GCAGGCAGCAGAATCTTTG TCCTGTGGATGTCTCTGGTG		<i>Hr</i>	NW_024364.1
comment				

PCR condition							
Taq polymerase		BIOTAQTM 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	60	72	40	72
	min	3	0.5	1	0.75		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 BIOTAQTM HS DNA Polymerase. ②RFLP of PCR products; <i>Hpy188I</i> cutting site in the <i>Gja8</i> +/+ genome.					

Electrocataphoresis ;4% agarose gel 300V, 30min						
<p>M: (φX174/Hae III digest)</p>						

Strain harboring mutation	F344- <i>Hr</i> ^{chr} /Kyo
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