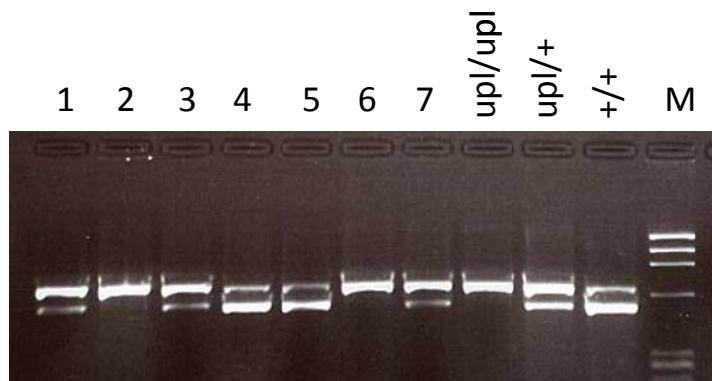


Gene symbol	<i>Gja8</i>
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primer	Sequence(5'-3')	Size	target gene	accession
Cx50-7F Cx50-7R	GCCAAGCCTTTTAGTCAG TCACTAGGACAGTGGGTTTA	623bp	Gja8	
comment	This strain possesses a point mutation in the <i>gja8</i> gene(R340W)			

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	55	72	35	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 \times Ampdirect®Plus, 0.2 μ M each primer and 0.4 units of BIOTAQTM HS DNA Polymerase. ②RFLP of PCR products; AciI cutting site in the <i>Gja8</i> +/- genome.					

Electrocataphoresis ;2% agarose gel 300V, 30min



M: (ϕ X174/Hae III digest)

Strain harboring mutation	BN.UPL-(<i>D2Rat134-D2Rat2</i>)/Gas
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