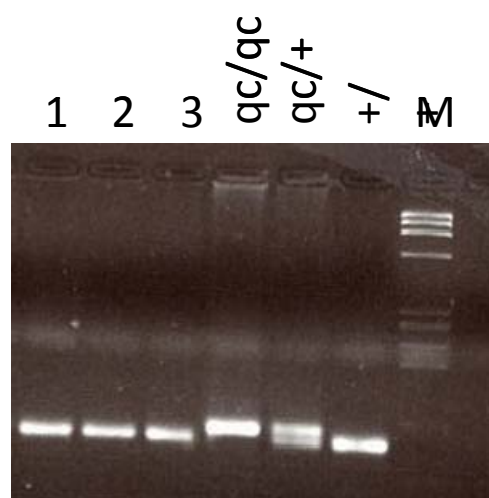


Gene symbol	<i>Lmx1a</i> ^{qc}
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primer	Sequence(5'-3')	Size	target gene	accession
Lmx1a-F Lmx1a-R	CCTTGAAGAAAATTAAACACATAG GTACCTCCTTACTCTAAGAAGTCAGC		Lmx1a	XM_222902.4
comment				

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	final extension
PCR	°C	94	94	55	72	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.				

Electrophoresis ;4% agarose gel 300V, 30min



M: (ϕX174/Hae III digest)

Strain harboring mutation	F344.ACI- <i>Lmx1a</i> ^{qc} /Kyo
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