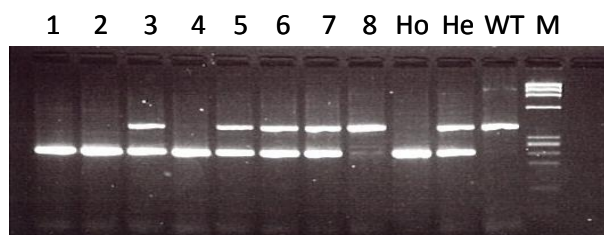


Gene symbol	<i>Lich</i>
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primer	Sequence(5'-3')	Size	target gene	accession
rLich_ex10_F rLich_ex10_Wild_R rLich_ex10_del_R	CTGGCAGACACCACTGACAT CATCGCTGGTTGTGACTCTG TGGAATTTTCGTGAACCAGAA	384bp or 240bp	Lipase A	NM_0012741.1
comment				

PCR condition							
Taq polymerase		BIOTAQ™ HS DNA Polymerase (Bioline Reagents Ltd., UK)					
Thermal cycler		PC-808(ASTEC)					
PCR buffer		Ampdirect Plus(Shimadzu Corporation, kyoto, Japan)					
		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 × Ampdirect®Plus, 0.2 μ M each primer and 0.4 units of BIOTAQ™ HS DNA Polymerase.					

Electrocataphoresis ;4% agarose gel



Lane 1,2,4 ; Mutant Homo zygosity
 Lane 3,5,6,7 ; Hetero zygosity
 Lane 8 ; Wild Type
 Ho ; Mutant Homo zygosii (240bp)
 He ; Hetero zygosity (240bp and 384bp)
 WT ; Wild Type (384bp)
 M; size marker ϕ X174-Hae III

Strain harboring mutation	ALD/Hyo
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