

Gene symbol	<i>Myo5a</i> ^{dop}			
primer	Sequence(5'-3')	Size	target gene	accession
MyoV-U1A I MyoV-L1B I	ATCTGGCCTGGGCTACATAG GGCTCCCGAAAGTTGTTCTG	695bp	<i>Myo5a</i>	NM_022178.1
comment	The Amplified fragment from the wild type is 230bp larger than from the mutant homozygote.			

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	cycle	final extension
PCR	°C	94	94	68	72	45	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 containig 1 × Ampdirect®Plus, 0.2 μM each primer and 0.4 units of BIOTAQ™ HS DNA Polymerase.					

Electrocataphoresis ; 4% agarose gel	
<p>M: (ϕX174/Hae III digest)</p>	
Strain harboring mutation	DOP/Nem