

Gene symbol	<i>Atm</i> ^{m1Kyo}			
primer	Sequence(5'-3')	Size	target gene	accession
Atm9-F Atm9-R	CTTAAGTTTCAGGACCCAAG CCTCAACCTCTCAAATTCTC	506bp	Atm	ENSRNOG00000029773
comment	<i>Atm</i> ^{m1Kyo} mutation (T6797C) is determined by sequencing.			

PCR condition							
Taq polymerase		BIOTAQTM HS DNA Polymerase (Bioline Reagents Ltd., UK)					
Thermal cycler		PC-808(ASTEC)					
PCR buffer		Ampdirect Plus(Shimadzu.Co)					
		first denature	denature	anneal	extension	cycle	final extension
PCR	°C	94	94	60	72	35	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 µ L PCR mixture containing 1 × Ampdirect®Plus, 0.2 µ M each primer and 0.4 units of BIOTAQTM HS DNA Polymerase.					

Sequenece: ABI3130xl	
Heterozygote	
Wild Allele	
Strain harboring mutation	F344- <i>Atm</i> ^{m1Kyo}