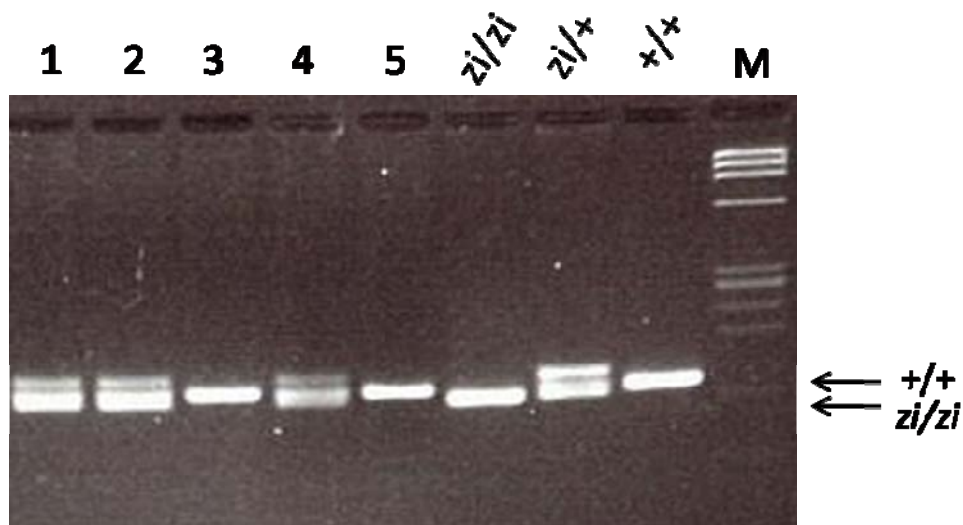


Gene symbol	<i>Atrn^{zi}</i>			
primer	Sequence(5'-3')	Size	target gene	accession
Atrn-FW Atrn-RV	GGAGTTGGCAACTGAAGAAC GAAAGGGCAGAGACAAAGTT	135bp	Attractin	NM_031351.1
comment	8 bp deletion in intron 12 of Attractin gene Genotyping protocol for Atrn			

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	55	72	40	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 300V, 30min



M: (ϕX174/Hae III digest)

Strain harboring mutation	SER/Kyo, WTC.ZI-Atrn ^{zi} /Kyo, ZI/Kyo
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