PCR: FasAB_GranzymeB(ASD)

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
ST-1S	CTGCTACTGCTGACCTTGTCT
ST-1AS	TGAGGACAGCAATTCCATCTA
NEO2S	TCCCTCGTGCTTTACGGTATC

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			1.0
10x Buffer		20.0 mM MgCl2	2.5
dNTPs		10.0 mM	1.0
Primer: **ST-1S**		10.0 µM	
Primer: **ST-1AS**		10.0 µM	
Primer: **NEO2S**		10.0 µM	
Water			16.45
Taq Polymerase			0.05
Reagent: 25mM MgCl2			2.0

Comments on protocol: DNA Sample (ear punch)

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	94.0	180
Denaturation	94.0	30
Annealing	57.0	30
Elongation	72.0	60
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	240
Finish (i.e. 4°C, indefinite)	25.0	Hold

Electrophoresis

Running buffer:	
% Agarose:	2.0
Volt:	360.0
Estimated running time (min):	12.0

Bands

Number	Band (bp)	Genotype
1.	430	WT
2.	360	KO