PCR: Booreana (amplifluor)

Amplifluor: Yes

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
Booreana-1	GAAGGTGACCAAGTTCATGCTCTCCTGATGTCAACAGAGAACGA
Booreana-2	GAAGGTCGGAGTCAACGGATTTCCTGATGTCAACAGAGAACGG
Booreana-R	CCATCCCAAGGTAACAGTCTT

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	20x Primer mix concentration (µM)	Volume (µL)
DNA Sample				1.0
10x Buffer	10x Reaction Mix S Plus			0.5
dNTPs		2.5 mM		0.4
20x amplifluor SNP FAM Primer				
20x amplifluor SNP JOE Primer				
Primer: **Booreana-1**			0.5	
Primer: **Booreana-2**			0.5	
Primer: **Booreana-R**			7.5	
Amplifluor primer volume				1.0
Water				1.55
Taq Polymerase	Platinum Taq (5U/l)			0.05

Comments on protocol: DNA Sample (cleaned ear punch in dH20-see cleanup protocol)

Reactions to be done at room temperature with reagents added in order.

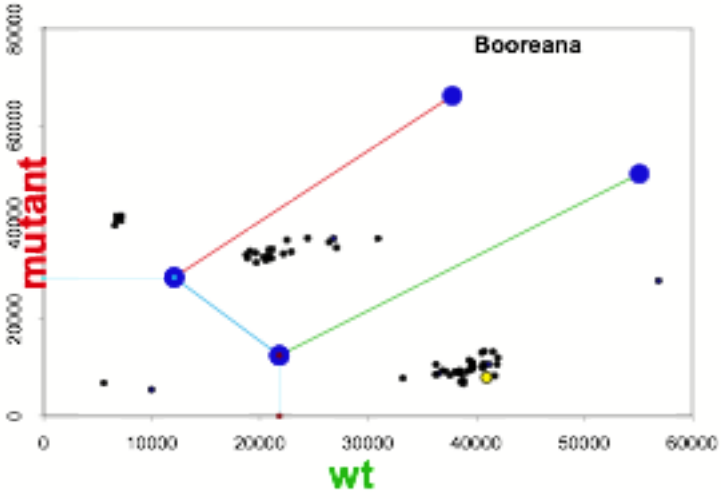
Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **Yes**		
Initiation/Melting	95.0	240
Denaturation	95.0	10
Annealing	60.0	20
Elongation	72.0	40
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	180
Finish (i.e. 4°C, indefinite)	10.0	Hold

Electrophoresis

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

Image


Booreana
mutant
wt
0
10000
20000
30000
40000
50000
60000
0
20000
40000
60000
80000