PCR: LylKI

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
MH58	ATATTGCTGAAGAGCTTGGCGGC
MH59	GTTTTGGTCTAGAGTTTGTGAGCC
MH60	GCATGCTCAAGGCTGCTGACTTGG

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			1.0
10x Buffer	Fisher Biotech	0.0 mM MgCl2	2.0
dNTPs			0.4
Primer: **MH58**			
Primer: **MH59**			
Primer: **MH60**			
Water			11.4
Taq Polymerase	Fisher Biotech		0.2
Reagent: MgCl2 2.0mM			2.0

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **Yes**		
Initiation/Melting	94.0	5 min
Denaturation	94.0	30 sec
Annealing	70.0	30 sec
Elongation	72.0	60 sec
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	7 min
Finish (i.e. 4°C, indefinite)	4.0	forever

Electrophoresis

Running buffer:	TAE
% Agarose:	2.0
Volt:	100.0
Estimated running time (min):	75.0

Bands

Number	Band (bp)	Genotype
1.	~600bp	KI/KI
2.	~400bp	+/+