PCR: Lck-Cre

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
CRE FORWARD	CACCAAAATTTGCCTGCATT
CRE REVERSE	CCCAGGCTAAGTGCCTTCTC

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			1.0
10x Buffer			2.0
dNTPs		2.0 mM	2.0
Primer: **CRE FORWARD**		10.0 µM	
Primer: **CRE REVERSE**		10.0 µM	
Water			13.85
Taq Polymerase	Sigma Red Taq		0.75

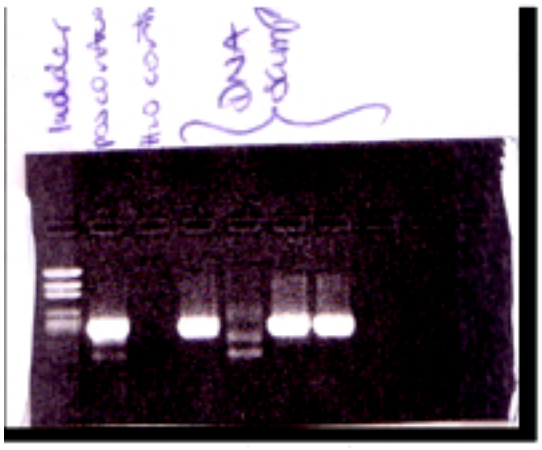
Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	94.0	300
Denaturation	94.0	60
Annealing	57.0	60
Elongation	72.0	60
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	120
Finish (i.e. 4°C, indefinite)	20.0	Hold

Electrophoresis

Running buffer:	
% Agarose:	1.5
Volt:	100.0
Estimated running time (min):	20.0

Image



Bands

Number	Band (bp)	Genotype
1.	400	HET