PCR: K14 Flii

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
Flii F1	GAAGCCAAGTTGGCAGAAGACATCC
FLii R1	TGGAGCGCCTTCTGCAAGGCCCTGGCC

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			4.5
10x Buffer	2x ABgene Ready Mix Buffer 4		5.0
dNTPs			
Primer: **Flii F1**		20.0 µM	
Primer: **FLii R1**		20.0 µM	
Water			
Taq Polymerase			

10x Buffer recipe: 0.025units/ul Thermoprime Plus DNA polymerase, 1.25ml of 750mM Tris-HCl (pH8.8), 200mM (NH4)2SO4, 0.1% (v/v) Tween 20, 15mM MgCl2, 0.2mM each of dATP, dCATP, dGTP, dTTP, precipitant and red dye. Cat #AB-0AB-8815.

Comments on protocol: DNA isolated from ear biopsy. Buffer TE-5% Tween, 40ul H2O to 10ul DNA

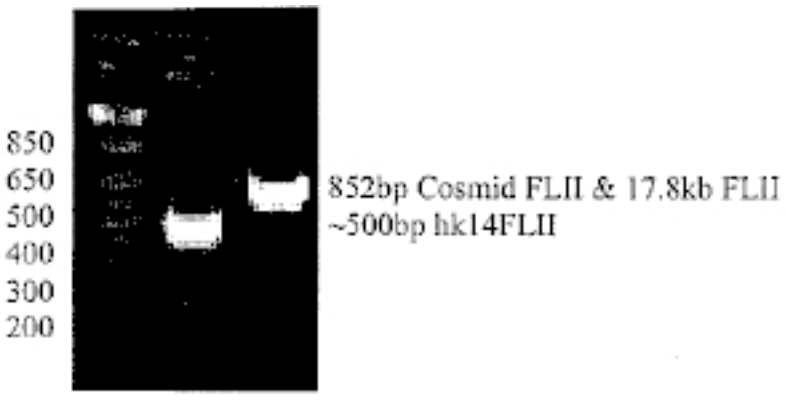
Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	95.0	180
Denaturation	95.0	15
Annealing	68.0	150
Elongation		
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)		
Finish (i.e. 4°C, indefinite)	4.0	Hold

Electrophoresis

Running buffer:	TBE + SYBR safe
% Agarose:	1.5
Volt:	80.0
Estimated running time (min):	20.0

Image



Bands

Number	Band (bp)	Genotype
1.	500	Transgenic