PCR: IL13_IL4rMultiplex

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
IL-13b wt F	CAGTCCTGGCTCTTGCTTG
IL-13b wt R	TCTTTGGGGGAACCCTTTAC
IL-4r wt F	CACTCCACACCAATGTGTCC
IL-4r wt R	CCTACCGCTGATTTTTCTCG
neo common F.R	GGATGATCTGGACGAAGAGC

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			1.0
10x Buffer	2x Mix Qiagen multiplex PCR Kit		5.0
dNTPs			
Primer: **IL-13b wt F**		10.0 µM	
Primer: **IL-13b wt R**		10.0 µM	
Primer: **IL-4r wt F**		10.0 µM	
Primer: **IL-4r wt R**		10.0 µM	
Primer: **neo common F.R**		10.0 µM	
Water			2.1
Taq Polymerase			

Comments on protocol: DNA Sample (ear punch)

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	95.0	900
Denaturation	95.0	25
Annealing	58.0	25
Elongation	72.0	90
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	300
Finish (i.e. 4°C, indefinite)	20.0	Hold

Electrophoresis

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

Bands

Number	Band (bp)	Genotype
1.	1300	IL13 KO
2.	1000	IL4r KO
3.	355	IL4r WT
4.	299	IL13 WT