PCR: SOCS3

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
SR221	GAGTTTTCTCTGGGCGTCCTCCTAG
SR222	TGGTACTCGCTTTGGAGCTGAA

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			1.0
10x Buffer			2.5
dNTPs		10.0 mM	0.5
Primer: **SR221**		10.0 µM	
Primer: **SR222**		10.0 µM	
Water			15.25
Taq Polymerase			0.25
Reagent: 25mM MgCl2			1.0
Reagent: Q Solution			2.5

Comments on protocol: dNTP concentration higher.

Qiagen taq DNA kit.

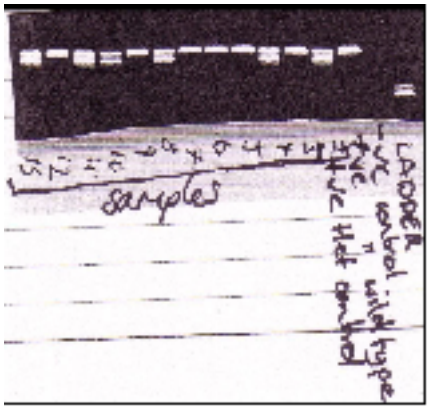
Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	94.0	180
Denaturation	94.0	30
Annealing	60.0	30
Elongation	72.0	60
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	600
Finish (i.e. 4°C, indefinite)	4.0	Hold

Electrophoresis

Running buffer:	
% Agarose:	2.0
Volt:	100.0
Estimated running time (min):	30.0

Image



Bands

Number	Band (bp)	Genotype
1.	400	WT
2.	540 / 400	FL/WT (HET)