PCR: Stat3

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
A 1/40	AGCAGCTGACAACGCTGGCTGAGAAGCT
B 1/80	TTGCTGCTCTCGCTGAAGCGCAGTAGG
C 1/80	ATCGCCTTCTATCGCCTTCTTGACGAG

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			4.0
10x Buffer		20.0 mM MgCl2	3.0
dNTPs		10.0 mM	3.0
Primer: **A 1/40**		10.0 µM	
Primer: **B 1/80**		10.0 µM	
Primer: **C 1/80**		10.0 µM	
Water			10.5
Taq Polymerase			1.0
Reagent: 25mM MgCl2			2.5

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	94.0	300
Denaturation	94.0	30
Annealing	65.0	60
Elongation	72.0	60
Number of cycles (repeat denature, anneal & elgonate): **40**		
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:	120.0
Estimated running time (min):	60.0

Bands

Number	Band (bp)	Genotype
1.	920	Mutant
2.	1000	wt