PCR: APC580s

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
580's 3	GTTCTGTATCATGGAAAGATAGGTGGTC
580's 4	CACTCAAAACGCTTTTGAGGGTTGATTC

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			2.0
10x Buffer	Invitrogen	20.0 mM MgCl2	2.0
dNTPs		10.0 mM	0.4
Primer: **580's 3**		10.0 µM	
Primer: **580's 4**		10.0 µM	
Water			13.1
Taq Polymerase			0.2
Reagent: 25mM MgCl2			1.3

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	95.0	300
Denaturation	95.0	60
Annealing	59.0	60
Elongation	72.0	60
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:	120.0
Estimated running time (min):	45.0

Bands

Number	Band (bp)	Genotype
1.	314	580's
2.	226	Wt