PCR: Recql4 germ-line deleted

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
Recql4 3303_41 F	CACTCTAGAAGAGGGAGTCAGATGG
Recql4 Excised_1 Rev CW	CGCGCGAAAGCTGAGGAGTT

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			
10x Buffer			
dNTPs			
Primer: **Recql4 3303_41 F**			
Primer: **Recql4 Excised_1 Rev CW**			
Water			
Taq Polymerase			

Comments on protocol: use Bioline My Taq Red Polymerase: 1ul DNA; 2ul 5x Buffer; 1ul F+R primer (10mM each mixed together); 5.9ul water and 0.1ul Taq

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	95.0	5 min
Denaturation	95.0	30 sec
Annealing	60.0	30 sec
Elongation	72.0	30 sec
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	5 min
Finish (i.e. 4°C, indefinite)		

Electrophoresis

Running buffer:	standard TBE agarose gels
% Agarose:	3.0
Volt:	125.0
Estimated running time (min):	40.0

Bands

Number	Band (bp)	Genotype
1.	165	WT
2.	256	excised