PCR: CD151 knockout PCR

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
Wild-type Fwd	GCTCCATGTTCCTGTACACT
Null Fwd	ATGATAACCCACCATGTGTC
Common Rev	CAGCTTAGGACCTCTTCTCA

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			1.0
10x Buffer		20.0 mM MgCl2	5.0
dNTPs		2.0 mM	20.0
Primer: **Wild-type Fwd**		10.0 µM	
Primer: **Null Fwd**		10.0 µM	
Primer: **Common Rev**		10.0 µM	
Water			
Taq Polymerase			0.2

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	95.0	
Denaturation	95.0	40
Annealing	58.0	40
Elongation	72.0	40
Number of cycles (repeat denature, anneal & elgonate): **30**		
Strand completion (i.e. 72°C, 10 min)	72.0	300
Finish (i.e. 4°C, indefinite)		

Electrophoresis

Running buffer:	
% Agarose:	1.5
Volt:	120.0
Estimated running time (min):	40.0

Bands

Number	Band (bp)	Genotype
1.	500	WT
2.	0	NULL