PCR: Fzd7flox

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
Fz7 wt for	GCACCATCATGAAGCACG
Fz7 wt rev	CACAGTTAGCATCGTCCTGC

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			1.0
10x Buffer		15.0 mM MgCl2	2.5
dNTPs		10.0 mM	0.5
Primer: **Fz7 wt for**		10.0 µM	
Primer: **Fz7 wt rev**		10.0 µM	
Water			13.5
Taq Polymerase			0.125
Reagent: QIAGEN X5QBUFFER			

Comments on protocol: DNA SAMPLE IN CAN

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	95.0	300
Denaturation	95.0	60
Annealing	58.0	60
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:	1.5
Volt:	60.0
Estimated running time (min):	120.0

Bands

Number	Band (bp)	Genotype
1.	550	WT
2.	630	MUTANT