PCR: TGM2 flox

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
P2	CAGATAGGGATACAAGAAGCATTGAAG
P3	GCCCCACAAAGGAGCAAGTGTTACTATGTC

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			0.5
10x Buffer	5x GoTaq	7.5 mM MgCl2	4.0
dNTPs		2.0 mM	0.4
Primer: **P2**		10.0 µM	
Primer: **P3**		10.0 µM	
Water			14.6
Taq Polymerase			0.1

Comments on protocol: 5x GoTaq buffer is supplied by promega

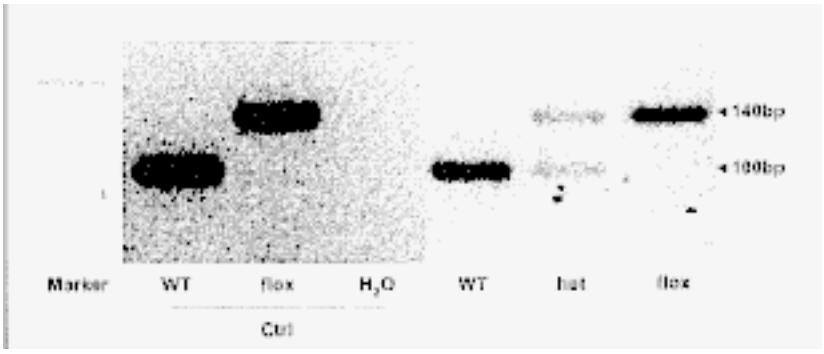
Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **Yes**		
Initiation/Melting	94.0	120
Denaturation	94.0	30
Annealing	57.0	30
Elongation	72.0	30
Number of cycles (repeat denature, anneal & elgonate): **30**		
Strand completion (i.e. 72°C, 10 min)	72.0	360
Finish (i.e. 4°C, indefinite)	4.0	

Electrophoresis

Running buffer:	
% Agarose:	3.0
Volt:	100.0
Estimated running time (min):	40.0

Image



Bands

Number	Band (bp)	Genotype
1.	100	WT
2.	140	FLOXED
3.	100 / 140	WT/FLOXED