PCR: Mx1-Cre

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
mMx2	ATATCGATTTCCCAACCTCAG
JH43	CTTGCACCATGCCGCCCACGAC

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			
10x Buffer			
dNTPs			
Primer: **mMx2**			
Primer: **JH43**			
Water			
Taq Polymerase			

Comments on protocol: we use Bioline Red Taq and buffer. 1ul gDNA, 2 ul buffer, 1ul primer (10nM F + R mixed together); water to 9.9ul and 0.1ul Taq

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	94.0	300
Denaturation	94.0	20
Annealing	55.0	30
Elongation	72.0	30
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)		

Electrophoresis

Running buffer:	TBE gel
% Agarose:	2.0
Volt:	
Estimated running time (min):	

Bands

Number	Band (bp)	Genotype
1.	379bp	Cre+ve