PCR: MMTV

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
MMTV-5	CTCTAGAGGATCTTTGTGAAGG
MMTV-3	GGACAAACCACAACTAGAATGC

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			3.0
10x Buffer		20.0 mM MgCl2	3.0
dNTPs		10.0 mM	0.4
Primer: **MMTV-5**		10.0 µM	
Primer: **MMTV-3**		10.0 µM	
Water			19.6
Taq Polymerase			0.5
Reagent: 25mM MgCl2			2.5

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	94.0	120
Denaturation	94.0	60
Annealing	55.0	60
Elongation	72.0	60
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	420
Finish (i.e. 4°C, indefinite)	20.0	Hold

Electrophoresis

Running buffer:	
% Agarose:	2.0
Volt:	120.0
Estimated running time (min):	50.0

Bands

Number	Band (bp)	Genotype
1.	500	Mutant