PCR: Mr T-Less (MrT)

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
MrT-F	CCGCAATGTTCTACTGGTCA
MrT RWT	GAAAGTTGATGCACTCTGGCGCGTATCA
MrT-RM	CACTGCGGCTGGAGAACTTCCTCAAGTTGATGCACTCTGGCGCGTGCCG

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			1.0
10x Buffer		20.0 mM MgCl2	5.0
dNTPs		10.0 mM	0.5
Primer: **MrT-F**		10.0 µM	
Primer: **MrT RWT**		10.0 µM	
Primer: **MrT-RM**		10.0 µM	
Water			32.85
Taq Polymerase			0.15
Reagent: 25mM MgCl2			2.0

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	94.0	120
Denaturation	94.0	20
Annealing	65.0	20
Elongation	72.0	20
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	180
Finish (i.e. 4°C, indefinite)	10.0	Hold

Electrophoresis

Running buffer:	
% Agarose:	4.5
Volt:	400.0
Estimated running time (min):	20.0

Bands

Number	Band (bp)	Genotype
1.	151	WT/WT
2.	172	MrT/MrT