

Table Components for detection and gradient temperature PCR

Components	Volume (μL)
2×rTaq Mix	12.5
ddH ₂ O	9.5
Primer1	1
Primer2	1
Template	1

Table PCR components for product sequencing

Components	Volume (μL)
2×rTaq Mix	25
ddH ₂ O	19
Primer1	2
Primer2	2
Template	2

Table Deleted DNA fragments and their detection primers

Amplified fragments	Length (bp)	T _m (°C)	Extension time (s)	Primers (5'→3')
84-1	1430	55	95	F: CAAGACTTACGGATGGTGG R: AGATTTCTGCTGACGAGGGA
42-3	517	51.3	54	F: TTGTGATGATTATTGGGCAGTT R: CTATGTTGAGCCGTCGAACC

Table PCR program for 84-1 fragment

94°C	34 cycles				72°C
	94°C	55°C	72°C		
300 s	30 s	30 s	90 s	600 s	

Table PCR program for 42-3 fragment

94°C	34 cycles				72°C
	94°C	52°C	72°C		
300 s	30 s	30 s	35 s	600 s	