

Crei PCR PROTOCOL

Oligonucleotide Sequence: 5' \diamond 3'

(188) M β Cx7 For	GATGTGCTCCAGGCTAAAGTT
(189) M β Cx7 Rev	AGAAACGGAATGTTGTGGAGT
(474) CreF5 For	ATCTGGCATTCTCTGGGGATTG
(475) CreB7 Rev	GGCAACACCATTTTTTCTGACC

PCR Mix:

Component	Volume (μ L)
Tail DNA	2.00
10x Taq Buffer	5.00
10 mM dNTP Mix	1.00
25 mM MgCl	5.00
MbCx7 For	1.00
MbCx7 Rev	1.00
CreF5 For	1.00
CreB7 Rev	1.00
Taq Polymerase	0.25
ddH ₂ O	32.75
Total	50.00

Thermocycler Profile:

94 C for 5 min (initial cycle only)

94 C for 1 min

58 C for 2 min

72 C for 1 min

----- \diamond x 30 Cycles

72 C for 8 min

4 C for 5 min

Crei PCR Screening

Gel Analysis:

1% agarose gel
15 μ l per lane

Expected Results:

M β Casein Cntrl	500 bp
Cre +	256 bp