

PCR for MOGi Cre

PCR REACTION:

10x PCR buffer	2 λ
MgCl ₂ 25mM	depends on Taq polymerase
dNTP's 2.5mM	1 λ
Primer A (368)	5 pmol / reaction
Primer B (369)	5 pmol / reaction
DNA	1 λ
Taq polymerase	Variable
milliQ H ₂ O	Up to volume (20 λ)

Primer A (sense): 5'-cag-gta-tgc-tca-gaa-aac-gcc-t-3'

Position in relating gene:(bacteriophage P1 cre recombinase)

Primer B (antisense): 5'-cag-att-ctc-cct-tcg-gct-tct-t-3'

Position in relating gene: MOG promoter

PCR CONDITIONS:

- 1) 94.0, 5 min
 - 2) 94.0, 1 min
 - 3) 57.0, 1 min
 - 4) 72.0, 1min
 - 5) GOTO 2, for 5 cycles
 - 6) 94.0, 30 sec
 - 7) 55.0, 40 sec
 - 8) 72.0, 1:30 min
 - 9) GOTO 6, for 25 cycles
 - 10) 72.0, 10 min
 - 11) 20.0, 1 min
- END

PCR PRODUCT: Transgene band: 383bp