

## PCR for Tg hCD11b Cre

### PCR REACTION:

10x PCR buffer	2 $\lambda$
MgCl <sub>2</sub> 25 mM	depends on the Taq polymerase
dNTP's 2.5 mM	1 $\lambda$
Primer A (368)	5 pmol/ reaction
Primer B (370)	5 pmol/ reaction
DNA	1 $\lambda$
Taq polymerase	Variable
milliQ H <sub>2</sub> O	Up to volume (20 $\lambda$ )

**Primer A (antisense):** 5' cag-gta-tgc-tca-gaa-aac-gcc-t 3'  
**Position in relating gene:** bacteriophage P1 Cre recombinase

**Primer B (sense):** 5' tgg-gcc-aac-cca-aga-aac-aag-t 3'  
**Position in relating gene:** CD11b 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 445bp