

## PCR for deltaNSlox/lox

### PCR REACTION:

10x PCR buffer	2λ
MgCl <sub>2</sub> 25mM	depends on Taq polymerase
dNTP's 2.5mM	1λ
Primer A (353)	5 pmol / reaction
Primer B (354)	5 pmol / reaction
Taq	Variable
DNA	1λ
milliQ H <sub>2</sub> O	Up to volume 20λ

**Primer A(sense):** 5'-TGT-GCC-TAC-CTC-CTC-CGC-TTG C -3'

**Gene:** mTNFRI

**Primer B(antisense):** 5'-ATG-GAG-TCA-GCC-AGC-CAG CT -3'

**Gene:** mTNFRI

### PCR CONDITIONS:

- 1) 94.0, 4 min
  - 2) 93.0, 30 sec
  - 3) 61.0, 30 sec
  - 4) 72.0, 1 min
  - 5) GOTO to 2, for 29 cycles
  - 6) 72.0, 5 min
  - 7) 20.0, 1 min
- END

### PCR PRODUCT:

NS (lox) band: 86 bp

WT band: 101 bp