

PCR for Tg6074

PCR REACTION:

| | |
|-------------------------|---------------------------|
| 10x PCR buffer | 2 λ |
| MgCl ₂ 25mM | depends on Taq polymerase |
| dNTP's 2.5mM | 1 λ |
| Primer A (326) | 5 pmol / reaction |
| Primer B (327) | 5 pmol / reaction |
| Taq polymerase | Variable |
| DNA | 1 λ |
| milliQ H ₂ O | Up to volume 20 λ |

Primer A (sense): 5'-TCT GTG TCC TTC TAA CTT AGA -3'

Position in relating gene: Sense in mTNF

Primer B (antisense): 5'-GTT TTA AAT GCA CTG ACC TC -3'

Position in relating gene: Antisense in b-globin

PCR CONDITIONS:

- 1) 94.0, 3 min
 - 2) 93.0, 1 min
 - 3) 60.0, 1 min
 - 4) 72.0, 1 min
 - 5) GOTO 2, for 30 cycles
 - 6) 72.0, 10 min
 - 7) 20.0, 1min
- END

PCR PRODUCT: Mutated band: 438 bp