

**STRAIN: EM09537 (Cyp1a1 tm1)**

**PRIMER FRT24 REV**                      **5'-CCT TCC TCC TAC ATA GTT GGC AGT-3'**

**PRIMER CYP1A1 FOR**                      **5'- ACCACAGAGATTGGAAGCCACTGA-3'**

PRIMER FRT24 REV                      15pm / total volume 30ul                      Tm: 72°C

PRIMER CYP1A1 FOR                      15pm / total volume 30ul                      Tm: 72°C

**PCR MIX**

DNTPS (2mM)                      3ul

PCR BUFFER 10x                      3ul

PRIMER FRT24 REV                      (0.5pm/ul)

PRIMER CYP1A1 FOR                      (0.5pm/ul)

H2O

TAQ POLYMERASE (5U/ul)                      0.3ul

DNA                      2ul

**TOTAL**                      30ul

**PCR PROGRAM:**

- 1) 95°C x 2'00''
- 2) 95°C x 0'30''
- 3) 58°C x 0'30''
- 4) 72°C x 1'00''
- 5) step 2 to step 5 x 50 repeats
- 6) 72°C x 10'00''
- 7) 4°C forever
- 8) End

**MUTATION: 258 bp**