

**STRAIN: EM06114 (Tac Pcx tm1a)**

**PRIMER lox-p For**                                **5'-TTA TGG TCT GAG CTC GCC ATC AGT-3'**

**PRIMER PCX Rev**                                **5'- AGC TGA GGT AAA CTG CTC CTC AGT-3'**

PRIMER lox-p For                                15pm / total volume 30ul                                Tm: 72°C

PRIMER PCX Rev                                15 pm / total volume 30ul                                Tm: 72°C

**PCR MIX**

DNTPS (2mM)                                3ul

PCR BUFFER 10x                                3ul

PRIMER lox-p For                                (0.5pm/ul)

PRIMER PCX Rev                                (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:** 237 bp