

**STRAIN: EM05287**

**PRIMER mlt3                    5' CGC ACA GAC CAC TCC AGT TTA TTG 3'**

**PRIMER LoxP For            5' TTA TGG TCT GAG CTC GCC ATC AGT 3'**

PRIMER mlt3                    15pm / total volume 30ul            Tm: 72°C

PRIMER LoxP For            15pm / total volume 30ul            Tm: 72°C

**PCR MIX**

DNTPS (2mM)                    3ul

PCR BUFFER 10x                    3ul

PRIMER mlt3                    (0.5pm/ul)

PRIMER LoxP For            (0.5pm/ul)

H2O

TAQ POLYMERASE (5U/ul)            0.2ul

DNA                                    2ul

**TOTAL                                    30ul**

**PCR PROGRAM:**

- 1) 95°C x 2'00''
- 2) 95°C x 0'30''
- 3) 62°C x 0'30''
- 4) 72°C x 1'30''
- 5) step 2 to step 5 x 50 repeats
- 6) 72°C x 10'00''
- 7) 4°C forever
- 8) End

**MUTATION: 219 BP**