

**STRAIN: EM04776 (Fgfr1 op tm1a)**

**PRIMER Lox P For 5'-TTA TGG TCT GAG CTC GCC ATC AGT-3'**

**PRIMER Fgfr10P Rev 5'-GAG ACT AGC CAC TAA ACG ACC TGT-3'**

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

PRIMER Fgfr10P Rev 15 pm / total volume 30ul Tm: 72°C

**PCR MIX**

DNTPS (2mM) 3ul

PCR BUFFER 10x 3ul

PRIMER LoxP For (0.5pm/ul)

PRIMER Fgfr10P 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) 46°C x 0'30''
- 4) 72°C x 1'00''
- 5) step 2 to step 4 x 50 repeats
- 6) 72°C x 10'00''
- 7) 4°C forever
- 8) End

**Mutation: 312 bp**