

## STRAIN: EM11542 (Fcgbp tm1b) MIX MUT

PRIMER FRT 24 REV 5'- CCT TCC TCC TAC ATA GTT GGC AGT -3'

PRIMER SPECIFIC FOR 5'- CCACTGTTTTACTGGCTCCCTGAA-3'

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

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

### PCR MIX

DNTPS (2mM) 3ul

PCR BUFFER 10x 3ul

PRIMER UNIVERSAL FOR (0.5pm/ul)

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

**MUTATION:** 199 bp

**STRAIN: EM11542 (Fcgbp tm1b) MIX WT**

**PRIMER SPECIFIC FOR** 5'- CCACTGTTTTACTGGCTCCCTGAA-3'

**PRIMER SPECIFIC REV** 5'- CTCATTACAAGCGTGAAGCCAGTG-3'

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

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

**PCR MIX**

DNTPS (2mM) 3ul

PCR BUFFER 10x 3ul

PRIMER SPECIFIC FOR (0.5pm/ul)

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

**WT: 90 bp**

