

## STRAIN: EM04384

**PRIMER EMID1 FOR**      **5'-AAC-TCC-CAG-AAG-ACC-TTG-TTG-AGC-3'**  
**PRIMER EMID1 REV**      **5'-TAC-AGT-GAG-GAC-TCA-GCT-CAG-ATG-3'**  
**PRIMER FTR REV**        **5'-CCT TCC TCC TAC ATA GTT GGC AGT-3'**

PRIMER EMID1 FOR	15pm / total volume 30ul	Tm: 72°C
PRIMER EMID1 REV	15pm / total volume 30ul	Tm: 72°C
PRIMER FTR REV	15pm / total volume 30ul	Tm: 72°C

### PCR MIX

DNTPS (2mM)	3ul
PCR BUFFER 10x	3ul
PRIMER EMID1 FOR	(0.5pm/ul)
PRIMER EMID1 REV	(0.5pm/ul)
PRIMER FTR REV	(0.5pm/ul)
H2O	
TAQ POLYMERASE (5U/ul)	0.3ul
DNA	2ul
<b>TOTAL</b>	<b>30ul</b>

### 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 5 x 50 repeats
- 6) 72°C x 10'00''
- 7) 4°C forever
- 8) End

**MUTATION:** 140 BP

**WILD TYPE:**77 BP