

**STRAIN: EM04359**

**PRIMER RIK FOR**            **5'- TTC-AGT-CAA-GAC-CCC-AAG-CTG-ATA-3'**

**PRIMER RIK REV**            **5'-GTC-CTC-AGA-TGA-TGA-AGC-ACA-GTG-3'**

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

PRIMER RIK FOR                    15pm / total volume 30ul                    Tm: 70°C

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

PRIMER FRT 24 REV                15pm / total volume 30ul                    Tm: 72°C

**PCR MIX**

DNTPS (2mM)                                    3ul

PCR BUFFER 10x                                3ul

PRIMER RIK FOR                                (0.5pm/ul)

PRIMER RIK REV                                (0.5pm/ul)

PRIMER FRT 24 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 5 x 50 repeats
- 6) 72°C x 10'00''
- 7) 4°C forever
- 8) End

**MUTATION: 199 BP            WILD TYPE: 270 BP**