

**STRAIN: EM03996**

**ASLX1 FOR**        **5'-ATA-CTT-GGT-TAC-ACT-CGG-AGG-CCA-3'**  
**ASLX1 REV**        **5'-CAG-CCT-GAC-CTA-CAG-AGT-GAA-GAA -3'**  
**FTR REV**         **5'-CCT TCC TCC TAC ATA GTT GGC AGT-3'**

ASLX1 FOR   15pm / total volume 30ul        Tm:   72°C  
ASLX1 REV   15pm / total volume 30ul        Tm:   72°C  
FTR REV     15pm / total volume 30ul        Tm:   72°C

**PCR MIX**

DNTPS (2mM)                                   3ul  
PCR BUFFER 10x                               3ul  
ASLX1 FOR (0.5pm/ul)  
ASLX1 REV (0.5pm/ul)  
FTR 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: 204 BP**        **WILD TYPE: 170 BP**