

STRAIN: EM00327

CX 43 Flox 1 **5'-TCA/CCC/CAA/GCT/GAC/TCA/ACC/G-3'**

CX 43 Flox 2 **5'-GGC/ATA/CAG/ACC/CTT/GGA/CTC/C-3'**

CX 43 Flox 1 30pm / total volume 30ul Tm: 66°C

CX 43 Flox 2 30pm / total volume 30ul Tm: 66°C

PCR MIX

DNTPS (2mM) 3ul

PCR BUFFER 10x 3ul

CX 43 Flox 1 (1pm/ul)

CX 43 Flox 2 (1pm/ul)

H2O

TAQ POLYMERASE (5U/ul) 0.3ul

DNA 1ul

TOTAL 30ul

PCR PROGRAM:

- 1) 95°C x 2'00''
- 2) 95°C x 0'30''
- 3) 64°C x 0'40''
- 4) 72°C x 1'45''
- 5) step 2 to step 5 x 50 repeats
- 6) 72°C x 10'00''
- 7) 4°C forever
- 8) End

MUTATION: 640 BP

WILD TYPE: 515 BP