

STRAIN: EM02135 (Tbx1Flox)

PRIMER TBX1LOXP2F 5'-CGA-CCC-TTC-TCT-GGC-TTA-TG -3'

PRIMER TBX1LOXP2R 5'-AAA-GAC-TCC-TGC-CCT-TTT-CC -3'

PRIMER TBX1LOXP2F 15pm / total volume 30ul Tm: 62°C

PRIMER TBX1LOXP2R 15pm / total volume 30ul Tm: 60°C

PCR MIX

DNTPS (2mM) 3ul

PCR BUFFER 10x 3ul

PRIMER TBX1LOXP2F (0.5pm/ul)

PRIMER TBX1LOXP2R (0.5pm/ul)

H2O

TAQ POLYMERASE (5U/ul) 0.16ul

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 1'30''
- 5) step 2 to step 5 x 45 repeats
- 6) 72°C x 10'00''
- 7) 4°C forever
- 8) End

MUTATION: 340 BP WILD TYPE: 200 BP