

**STRAIN: EM00326 (CX36-KO)**

**PRIMER CX36 INTRON: 5'-CTG-TTC-AAG-GAC-TGG-TAA-GCG-CTG -3'**

**PRIMER HPRT-DSP: 5'-CAG-TAA-ATC-GTT-GTC-AAC-AGT-TCC -3'**

**PRIMER CX36-DSP4: 5'- GTC-TCC-TTA-CTG-GTG-GTC-TCT-GTG-3'**

PRIMER CX36 INTRON 15pm / total volume 30ul Tm: 74°C

PRIMER HPRT-DSP 15pm / total volume 30ul Tm: 68°C

PRIMER CX36-DSP4 10pm / total volume 30ul Tm: 74°C

**PCR MIX**

DNTPS (2Mm)	3ul
PCR BUFFER 10x	3ul
PRIMER INTRON (0.5pm/ul)	
PRIMER HPRT-DS (0.5pm/ul)	
PRIMER DSP4 (0.3pm/ul)	
H2O	
TAQ POLYMERASE (5U/ul)	0.16ul
DNA 1ul	
<b>TOTAL</b>	<b>30ul</b>

**PCR PROGRAM:**

- 1) 95°C x 2'00''
- 2) 95°C x 0'45''
- 3) 66°C x 0'45''
- 4) 72°C x 1'30''
- 5) step 2 to step 5 x 40 repeats
- 6) 72°C x 10'00''
- 7) 4°C forever
- 8) End

**MUTATION: 230 BP**

**WILD TYPE: 510 BP**