

**STRAIN: EM00715 (tek-cre/esr1)**

**PRIMER CRE1 5'-CGA-GTG-ATG-AGG-TTC-GCA-AG -3'**

**PRIMER CRE2 5'-TGA-GTG-AAC-GAA-CCT-GGT-CG -3'**

PRIMER CRE1 15pm / total volume 30ul Tm: 62°C

PRIMER CRE2 15pm / total volume 30ul Tm: 62°C

**PCR MIX**

dNTPS (2mM)	3ul
PCR BUFFER 10x	3ul
PRIMER CRE1 (0.5pm/ul)	
PRIMER CRE2 (0.5pm/ul)	
H2O	
TAQ POLYMERASE (5U/ul)	0.16ul
DNA (200ng/ul)	1ul
<b>TOTAL</b>	<b>30ul</b>

**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: 390 BP**