

**STRAIN: EM04742 (Scnn1b tm1a)**

**PRIMER Lox P For**            **5'-TTA TGG TCT GAG CTC GCC ATC AGT-3'**

**PRIMER Scnn1b**                **5'-CAT CCT GCC TTT TGA TGA CTT GGG-3'**

PRIMER LoxP For                15pm / total volume 30ul                Tm: 72°C

PRIMER Scnn1b                 15 pm / total volume 30ul                Tm: 72°C

**PCR MIX**

DNTPS (2mM)	3ul
PCR BUFFER 10x	3ul
PRIMER LoxP For	(0.5pm/ul)
PRIMER Scnn1b	(0.5pm/ul)
H2O	
TAQ POLYMERASE (5U/ul)	0.3ul
DNA	2ul
<b>TOTAL</b>	<b>30ul</b>

**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:** 160 bp