

**STRAIN: EM05173 (Avp1 tm1a)**

**PRIMER lox-p For 5'-TTA TGG TCT GAG CTC GCC ATC AGT-3'**

**PRIMER Avp1 Rev5'-GCT TTG TCA CCT AGA CTC TCC ACA-3'**

PRIMER lox-p For 15pm / total volume 30ul Tm: 72°C

PRIMER Avp1 Rev 15pm / total volume 30ul Tm: 72°C

**PCR MIX**

DNTPS (2mM)	3ul
PCR BUFFER 10x	3ul
PRIMER lox-p For	(0.5pm/ul)
PRIMER Avp1 Rev	(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) 58°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: 145 bp**