

**STRAIN: EM04609**

**PRIMER ccdc101 for 5'-GCA TGT GTC ATC GTG CCT GAC TTA-3'**

**PRIMER ccdc101 rev 5'-TGA AAT ACT CCC CAC TGG CTC CTT-3'**

**PRIMER FRT 24 REV 5'-CCT TCC TCC TAC ATA GTT GGC AGT-3'**

PRIMER ccdc101 for 15pm / total volume 30ul Tm: 72°C

PRIMER ccdc101 rev 5 pm / total volume 30ul Tm: 72°C

PRIMER FRT 24 REV 15pm / total volume 30ul Tm: 72°C

**PCR MIX**

DNTPS (2mM)	3ul
PCR BUFFER 10x	3ul
PRIMER ccdc101 for	(0.5pm/ul)
PRIMER ccdc101 rev	(0.16pm/ul)
PRIMER FRT 24 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) 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: 200 BP**

**WILD TYPE: 120 BP**