## STRAIN: EM08449 (Sorl1 tm1b)

**PRIMER UNIVERSAL FOR** **5'- CACACCTCCCCCTGAACCTGAAAC -3'**

**PRIMER SORL1 REV** **5'- CATGGAGGCATTTCCCCAACTGAA-3'**

| | | | |
|---|---|---|---|
| UNIVERSAL FOR | 15pm / total volume 30ul | Tm: | 76°C |
| PRIMER SORL1 REV | 15 pm / total volume 30ul | Tm: | 72°C |

**PCR MIX**

| | |
|---|---|
| DNTPS (2mM) | 3ul |
| PCR BUFFER 10x | 3ul |
| PRIMER UNIVERSAL FOR | (0.5pm/ul) |
| PRIMER SORL1 REV | (0.5pm/ul) |
| H2O | |
| TAQ POLYMERASE (5U/ul) | 0.25ul |
| DNA | 2ul |
| **TOTAL** | 30ul |

**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 45 repeats
6) 72°C x 10'00''
7) 4°C forever
8) End

**MUTATION:** 390 bp