

**STRAIN: EM01390 (NOD-B6-HC)**

**PRIMER 1: D2MIT64 5'- CCG/AAT/GAC/CAC/AGA/GGA/AG -3'**

**PRIMER 2: D2MIT64 5'- TGA/GGA/GAC/TCC/ATG/CTG/TG -3'**

PRIMER 1: D2MIT64 15pm / total volume 30ul Tm: 62°C

PRIMER 2: D2MIT64 15pm / total volume 30ul Tm: 62°C

**PCR MIX**

DNTPS (2mM) 3ul

PCR BUFFER 10x 3ul

PRIMER 1: D2MIT64 (0.5pm/ul)

PRIMER 2: D2MIT64 (0.5pm/ul)

H2O

TAQ POLYMERASE (5U/ul) 0.16ul

DNA 1ul

**TOTAL** 30ul

**PCR PROGRAM:**

- 1) 95°C x 2'00''
- 2) 95°C x 0'30''
- 3) 60°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(B6): 120 bp

WT(NOD\_CBA): 250 bp