

**STRAIN NAME:****NGF10flox****REAGENTS AND SOLUTIONS:**

- Taq polymerase 10X Buffer (1,5 mM MgCl<sub>2</sub>) (MP QBiogene)
- dNTP (MPQ Biogene)
- Primers (Invitrogen)
- Taq polymerase (MPQBiogene)
- Mineral oil (EUROBIO)

**REACTION MIX:**

- Taq Buffer 1X
- dNTP (0,4 mM total)
- primer NGF10F (0,30 µM)
- primer NGF10R (0,30 µM)
- Taq polymerase (40U/ml)
- DNA

**PROGRAM:**

|        |      |           |
|--------|------|-----------|
| 5 min  | 94°C | 35 cycles |
| 30 sec | 94°C |           |
| 30 sec | 60°C |           |
| 1 min  | 72°C |           |
| 5 min  | 72°C |           |

**MIGRATION :**

Migration of the samples on a 1.5% agarose gel.

**PRIMERS SEQUENCES**

- Primer NGF10F 5' GACTCGGAACCTATCTCTGACGGGC 3'
- Primer NGF10R 5' AGCGGGTTCTGACTCCTTAGAACCG 3'

**AMPLIFICATION**

Mutant allele : 361 bp  
WT allele : 223 bp