

**STRAIN NAME:****NGF 6 KI****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 NGF6F (0,36 µM)
- primer NGF6R (0,36 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 NGF6F 5' CACATTCTCCCATCTCTCGTATTCTAATGC 3'
- Primer NGF6R 5' CTCCTTTCAGATCAATGTAGGCAAAGTG 3'

**AMPLIFICATION**

KI allele : 1000 bp  
WT allele : 767 bp (B6) 347 (129)