

**STRAIN NAME:****NGF14 KO****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 NGF14 for (0,24 μM)
- primer NGF14 KOF (0,48 μM)
- primer NGF14 KOR (0,72 μM)
- Taq polymerase (40U/ml)
- DNA

**PROGRAM:**

5 min	94°C	
30 sec	94°C	
30 sec	65°C	35 cycles
1 min	72°C	
5 min	72°C	

**MIGRATION :**

Migration of the samples on a 1.5% agarose gel.

**PRIMERS SEQUENCES**

- Primer NGF14 for 5' GTCCAGGGAAAATGCCAGCAAGGTA 3'
- Primer NGF14 KOF 5' GCAGGGCAGTGAGGTAATAGTAGATGGG 3'
- Primer NGF14 KOR 5' GCTCAGAAAGGTTAAGGGACTTGGCTCT 3'

**AMPLIFICATION**

Mutant allele : 860 bp  
WT allele : 550 bp