

STRAIN NAME:**NGF 3 KO****REAGENTS AND SOLUTIONS:**

- Taq polymerase 10X Buffer (1,5 mM MgCl₂) (MP QBiogene)
- dNTP (MPQ Biogene)
- Primers (Invitrogen)
- Taq polymerase (MPQBiogene)
- Mineral oil (EUROBIO)

REACTION MIX:

- Taq Buffer 1X
- dNTP (0,4 mM total)
- primer NGF3F (0,12 µM)
- primer NGF3R (0,72 µM)
- primer NGF3KO (0,60 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 NGF3F | 5' GAATTTTACATTCTTGCCCTACATGGTCG 3' |
| - Primer NGF3R | 5' TCCAAGGATGAAGAGGACCATAGTTATGG 3' |
| - Primer NGF3KO | 5' GATACAGCCATTAAAACTCAGCCGTGG 3' |

AMPLIFICATION

Mutant allele : 1000 bp
WT allele : 436 bp