

STRAIN NAME:**NGF4 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 NGF4F (0,18 µM)
- primer NGF4R (0,60 µM)
- primer NGF4KO (0,42 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 NGF4F | 5' GCACAGACCCACGTAGGGAAGCTAACT 3' |
| - Primer NGF4R | 5' CATCACTGATGCGACCTGAATAGGACC 3' |
| - Primer NGF4KO | 5' CTTCCCTTCTTCCTTTTATGTAGACGTATGTG 3' |

AMPLIFICATION

Mutant allele : 900bp
WT allele : 243 bp