**STRAIN NAME:** **NGF3flox**

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 (0,24 µM)
- primer NGF3R (0,24 µM)
- Taq polymerase (40U/ml)
- DNA

PROGRAM:

| | | |
|---|---|---|
| 5 min | 94°C | |
| 30 sec | 94°C | |
| 30 sec | 60°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 NGF3F 5' GAATTTTACATTCTTGCCCTACATGGTCG 3'
- Primer NGF3R 5' TCCAAGGATGAAGAGGACCATAGTTATGG 3'

AMPLIFICATION

Transgene : bp
Mutant allele : 552 bp
WT allele : 436 bp