STRAIN NAME: **NGF12flox**

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 NGF12F (0,24 µM)
- primer NGF12R (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 NGF12F 5' TCAAAGTTGACTACACTGTAAGGTAGAGGTAGTGG 3'
- Primer NGF12R 5' GGTGGATCTGCAACAAAACGAATCAC 3'

AMPLIFICATION

Transgene : bp
Mutant allele : 266 bp
WT allele : 159 bp