

STRAIN NAME : **NGF2 KO (Hhip KO)**

REAGENTS AND SOLUTIONS:

- Kapa Mouse Genotyping kit (Clinisciences)
- Primers 30µM (Eurogentec)
- DNA (extracted with Kapa Mouse Genotyping kit)

REACTION MIX :

The genotyping protocol need 2 separated reaction mix :

WT mix		
MIX	Quantity / well	
Water	7,40	µl
2X Kapa Buffer	10,00	µl
NGF2 for	0,30	µl
NGF2 KO R2	0,30	µl
DNA	2,00	µl
Final Quantity	20,00	µl

KO mix		
MIX	Quantity / well	
Water	7,00	µl
2X Kapa Buffer	10,00	µl
NGF2 KO	0,50	µl
NGF2 KO R2	0,50	µl
DNA	2,00	µl
Final Quantity	20,00	µl

PCR PROGRAM:

3 min	95°C	35 cycles
15 sec	94°C	
15 sec	60°C	
30 sec	72°C	
5 min	72°C	

MIGRATION :

Migration on 1.5% agarose gel.

PRIMERS SEQUENCES

- | | |
|---------------------|-----------------------------------|
| - Primer NGF2 for | 5' TTTGCTGGACCTTCTTACTCGGTGG 3' |
| - Primer NGF2 KO R2 | 5' TAGTAGGGAGGAGGATAAGC 3' |
| - Primer NGF2 KO | 5' TTACGTCAAGTGGGCTTAACCTGGAAG 3' |

EXPECTED AMPLIFICATIONS

WT allele : 650 bp
Modified allele: 1050 bp

Perfection date : 28/08/2015

Update :