



STRAIN NAME :

**Nox4 flox**

REAGENTS AND SOLUTIONS:

- Kapa Mouse Genotyping kit (Sigma)
- Primers 30µM (Eurofins)
- Mineral Oil (Fisher Scientific)
- DNA (extracted with Kapa Mouse Genotyping kit)

REACTION MIX WT and floxed allele :

MIX	Quantity / well
Water	7,40 µl
2X Kapa Buffer	10,00 µl
Nox4WTF	0,30 µl
Nox4R	0,30 µl
DNA	2,00 µl
Final Quantity	20,00 µl

MIX	Quantity / well
Water	7,40 µl
2X Kapa Buffer	10,00 µl
Nox4KOF	0,30 µl
Nox4R	0,30 µl
DNA	2,00 µl
Final Quantity	20,00 µl

REACTION MIX KO allele :

PCR PROGRAM:

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

MIGRATION :

Migration on 1.5% agarose gel.

PRIMERS SEQUENCES

- Nox4WTF                    5' AGACATCCAATCATTCCAGTGG 3'
- Nox4KOF                   5' TGTCTGTCGGCGCACTCACTA 3'
- Nox4R                      5' GTGGATCAAGAAACATGCTGAC 3'

EXPECTED AMPLIFICATIONS

WT allele : 435 bp  
Floxed allele : 469 bp  
KO allele : 517 bp

*Developing date : 28/02/2018*

*Update :*