

	<b>TRANSGENESE ET ARCHIVAGE D'ANIMAUX MODELES PHENOMIN</b>	<b>BM-DRF-002</b>
	<b>FICHE PROTOCOLE GENOTYPAGE</b>	<b>22/10/2013</b> <b>Page : 1/1</b>

STRAIN NAME :

**NOX4 KO (rat)**

REAGENTS AND SOLUTIONS:

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

REACTION MIX :

MIX	Quantity / well
Water	6,80 µl
2X Kapa Buffer	10,00 µl
Nox4F rat	0,60 µl
Nox4WTR rat	0,30 µl
Nox4KOR rat	0,30 µl
DNA	2,00 µl
Final Quantity	20,00 µl

PCR PROGRAM:

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

MIGRATION :

Migration on 1.5% agarose gel.

PRIMERS SEQUENCES

- Nox4F rat                    5' TGTCTGCCAGAGCATTCACTA 3'
- Nox4WTR rat              5' CAAATGGACTTCCAAATGGG 3'
- Nox4KOR rat               5' CTTCTGCAGTCTACCCTGGC 3'

EXPECTED AMPLIFICATIONS

WT allele : 383 bp  
 KO allele: 300 bp

*Perfection date : 09/11/2021*

*Update :*