

STRAIN NAME : **c3'RRKIKS**

REAGENTS AND SOLUTIONS:

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

REACTION MIX WT allele:

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

REACTION MIX KO allele:

MIX	Quantity / well	
Water	7,40	µl
2X Kapa Buffer	10,00	µl
KIKS KIF	0,30	µl
KIKS KIR	0,30	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

- | | |
|------------|-------------------------------------|
| - KIKS WTF | 5' GACCAAGCTGGAGCTGAAAC 3' |
| - KIKS WTR | 5' CTGTGCCTCAGGAAAGTGGT 3' |
| - KIKS KIF | 5' GACTTCGCAGCGTAGACTT 3' |
| - KIKS KIR | 5' ATCGTAGATCTCTGTTGACTTCTCCCAGC 3' |

EXPECTED AMPLIFICATIONS

WT allele : 1114 bp
KI allele: 1000 bp

Perfection date : 11/07/2017

Update :