

STRAIN NAME :

Muc4 KO

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
Muc4F	0,60	µl
Muc4KO	0,30	µl
Muc4R	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

- Muc4F 5' TTGACAAGGAGCAGAGCTATG 3'
- Muc4KO 5' TAGGGCGTCTGAGTGTTCT 3'
- Muc4R 5' CAGAGATGCACTGCCTTGTC 3'

EXPECTED AMPLIFICATIONS

WT allele (+) : 249 bp
 KO allele (o) : 305 bp

Perfection date : 20/07/2023

Update :