



STRAIN NAME :

CD1d2

REAGENTS AND SOLUTIONS:

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

REACTION MIX :

We use 2 different reactions for the 2 alleles WT and mutant :

WT allele reaction :

MIX	Quantity / well
Water	7,60 µl
2X Kapa Buffer	10,00 µl
CD1d2F	0,20 µl
CD1d2WTR	0,20 µl
DNA	2,00 µl
Final Quantity	20,00 µl

mutant allele reaction :

MIX	Quantity / well
Water	7,60 µl
2X Kapa Buffer	10,00 µl
CD1d2F	0,20 µl
CD1d2mutR	0,20 µl
DNA	2,00 µl
Final Quantity	20,00 µl

PCR PROGRAM:

3 min	95°C	
15 sec	94°C	
15 sec	65°C	35 cycles
30 sec	72°C	
5 min	72°C	

MIGRATION :

Migration on 1.5% agarose gel.

PRIMERS SEQUENCES

- CD1d2F                    5' CCGGGTTAGGCAGGCTCTGC 3'
- CD1d2WTR              5' GACCTGTAGGAATGCCACACA 3'
- CD1d2mutR              5' GACCTGTAGGAATGCCACAG 3'

EXPECTED AMPLIFICATIONS

WT allele : 156 bp  
mutant allele: 156 bp

Perfection date : 24/04/2024

Update :