

STRAIN NAME :

H2aFJ Del7

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 Del :

WT reaction :

MIX	Quantity / well	
Water	6,00	µl
2X Kapa Buffer	10,00	µl
H2aFjD7F	1,00	µl
H2aFjD7RWT	1,00	µl
DNA	2,00	µl
Final Quantity	20,00	µl

Del reaction :

MIX	Quantity / well	
Water	7,60	µl
2X Kapa Buffer	10,00	µl
H2aFjD7F	0,20	µl
H2aFjD7Rdel	0,20	µl
DNA	2,00	µl
Final Quantity	20,00	µl

PCR PROGRAM:

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

MIGRATION :

Migration on 1.5% agarose gel.

PRIMERS SEQUENCES

- | | |
|---------------|-----------------------------|
| - H2aFjD7F | 5' AGTTTGAGGATGCCTGTGAAC 3' |
| - H2aFjD7RWT | 5' CTTACCGCCCTGCTTGCCT 3' |
| - H2aFjD7Rdel | 5' ACCTTACCGCCCTGCGCC 3' |

EXPECTED AMPLIFICATIONS

WT allele: 255 bp
deleted allele : 248 bp

Perfection date : 05/10/2021

Update :