



STRAIN NAME :

Ubn1

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 reaction :

MIX	Quantity / well
Water	7,50 µl
2X Kapa Buffer	10,00 µl
Ubn1WTF	0,25 µl
Ubn1WTR	0,25 µl
DNA	2,00 µl
Final Quantity	20,00 µl

Mutant reaction :

MIX	Quantity / well
Water	7,70 µl
2X Kapa Buffer	10,00 µl
Ubn1KOF	0,15 µl
Ubn1KOR	0,15 µl
DNA	2,00 µl
Final Quantity	20,00 µl

PCR PROGRAM:

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

MIGRATION :

Migration on 1.5% agarose gel.

PRIMERS SEQUENCES

- Ubn1WTF 5' ACTCTCTGACGGATTTGGAC 3'
- Ubn1WTR 5' CCATGCTAAAGACTGCTTGC 3'
- Ubn1KOF 5' ACTGACTGGGGGATTTCTTC 3'
- Ubn1KOR 5' TGATGTTCTGCACTGTCCTG 3'

EXPECTED AMPLIFICATIONS

WT allele: 714 bp
mutant allele : 1000 bp

Validation date : 02/12/2025

Update :