



STRAIN NAME :

Ubn2

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	7,40 µl
2X Kapa Buffer	10,00 µl
Ubn2F	0,30 µl
Ubn2WTR	0,30 µl
DNA	2,00 µl
Final Quantity	20,00 µl

Mutant reaction :

MIX	Quantity / well
Water	7,60 µl
2X Kapa Buffer	10,00 µl
Ubn2F	0,20 µl
Ubn2KOR	0,20 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

- Ubn2F                    5' GCAAGGTATGGGGAGATCCAG 3'
- Ubn2WTR              5' CACCATATGGCCACAGTCG 3'
- Ubn2KOR               5' ACATGTATGCAGATGTGGGTGAATGC 3'

EXPECTED AMPLIFICATIONS

WT allele: 491 bp  
mutant allele : 600 bp

Validation date : 02/12/2025

Update :