

STRAIN NAME :

Ibsp 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
IbspF	0,60 µl
IbspWTR	0,30 µl
IbspKOR	0,30 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

- IbspF                    5' AGGACTAGGGGTCAAACAC 3'
- IbspWTR                5' AGTAGCGTGGCCGGTACTTA 3'
- IbspKOR                5' TCGCCTTCTTGACGAGTTCTTCTGAG 3'

EXPECTED AMPLIFICATIONS

WT allele (+) : 481 bp  
KO allele (o) : 550 bp

Validation date : 02/12/2025

Update :

STRAIN NAME :

Spp1KO (mut15)

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
Spp1WTF	0,30 µl
Spp1WTR	0,60 µl
Spp1mut15F	0,30 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

- Spp1WTF                    5' ACAGCCTGCACCCAGATCC 3'
- Spp1WTR                   5' TAGGTTCTGGGAAGTGAACC 3'
- Spp1mut15F                5' ACAGCCTGCACATGGCTGGT 3'

EXPECTED AMPLIFICATIONS

WT allele (+) : 170 bp  
KO allele (o) : 154 bp

Validation date : 02/12/2025

Update :