

STRAIN NAME :

**Rbm20**

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 KI :

WT reaction :

MIX	Quantity / well
Water	7,40 µl
2X Kapa Buffer	10,00 µl
Rbm20WTF	0,30 µl
Rbm20R	0,30 µl
DNA	2,00 µl
Final Quantity	20,00 µl

Mutant reaction :

MIX	Quantity / well
Water	7,40 µl
2X Kapa Buffer	10,00 µl
Rbm20mutF	0,30 µl
Rbm20R	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

- Rbm20WTF                    5' CCACCCATGTGCTCCAAGATATG 3'
- Rbm20mutF                5' AGAGATGCTGTTCAAGGTGGTCAAG 3'
- Rbm20R                     5' GGTAGTCTAACTTGGAGAAGGG 3'

EXPECTED AMPLIFICATIONS

WT allele: 650 bp  
KI allele : 680 bp

*Perfection date : 10/06/2025*

*Update :*