

STRAIN NAME : **Mmp9 tm1a, b or c**

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
Mmp9F	0,60	µl
Mmp9R	0,30	µl
GeoR	0,30	µl
DNA	2,00	µl
Final Quantity	20,00	µl

PCR PROGRAM:

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

MIGRATION :

Migration on 1.5% agarose gel.

PRIMERS SEQUENCES

- | | |
|---------|-----------------------------------|
| - Mmp9F | 5' GTGGATAGCTGAGAAGGGCTG 3' |
| - Mmp9R | 5' CTGCGCCATGTCACAACCCTT 3' |
| - GeoR | 5' CTCCTACATAGTTGGCAGTGTGTTGGG 3' |

EXPECTED AMPLIFICATIONS

WT allele : 205 bp
tm1a allele (L3) : 256 bp
tm1c allele (L2) : 378 bp

Perfection date : 06/10/2023

Update :