

STRAIN NAME : **Dnmt3a tm1c**

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	7,00 µl
2X Kapa Buffer	10,00 µl
Dnmt3aF	0,20 µl
Dnmt3aR	0,20 µl
Sangtm 1cF	0,30 µl
Sangtm 1cR	0,30 µl
DNA	2,00 µl
Final Quantity	20,00 µl

PCR PROGRAM:

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

MIGRATION :

Migration on 1.5% agarose gel.

PRIMERS SEQUENCES

- Dnmt3aF 5' AACCACTGAGCCATCTCACC 3'
- Dnmt3aR 5' GAGTTCAAGGCCAGCTGAGT 3'
- Sangtm 1cF 5' AAGGCGCATAACGATACCAC 3'
- Sangtm 1cR 5' CCGCCTACTGCGACTATAGAGA 3'

EXPECTED AMPLIFICATIONS

WT allele : 328 bp
Tm 1a allele: 218 bp

Perfection date : 02/02/2018

Update :