

STRAIN NAME : **Tmem189**

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
Tmem189F	0,60	µl
Tmem189R	0,30	µl
CASR1	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

- Tmem189F	5' GCGTGCCTGCTGAGACTTG 3'
- Tmem189R	5' CATCCACCTATCCACCTG 3'
- CASR1	5' TCGTGGTATCGTTATGCGCC 3'

EXPECTED AMPLIFICATIONS

WT allele : 411 bp
tm1a ou b alleles : 223 bp
tm1c allele : 500 bp

Perfection date : 010/05/2024

Update :