

STRAIN NAME : **Slc34a1**

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
Slc34a1F	0,60	µl
Slc34a1R	0,60	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 3% agarose gel for a long time, sufficient to separate the 2 amplifications.

PRIMERS SEQUENCES

- Slc34a1F 5' AACATCCACCTATGCCATCTCCAGTC 3'
- Slc34a1R 5' TGGCATTGTCCTTGAAGATGTCCC 3'

EXPECTED AMPLIFICATIONS

WT allele : 456 bp
Deleted allele : 435 bp

Perfection date : 20/05/2021

Update :