

STRAIN NAME : **TRP53 LSL (KO because of LSL insertion)**

REAGENTS AND SOLUTIONS:

- Kapa Mouse Genotyping kit (Sigma)
- Primers 30µM (Eurofins)
- Mineral Oil (Fisher Scientific)
- DNA (extracted with Kapa Mouse Genotyping kit)

REACTION MIX WT allele :

MIX	Quantity / well
Water	6,80 µl
2X Kapa Buffer	10,00 µl
TRP53F	0,60 µl
TRP53R	0,60 µl
DNA	2,00 µl
Final Quantity	20,00 µl

REACTION MIX KO allele :

MIX	Quantity / well
Water	6,00 µl
2X Kapa Buffer	10,00 µl
LSLF	1,00 µl
LSLR	1,00 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

- | | |
|----------|------------------------------|
| - TRP53F | 5' CCCTGAGAAGAGCAAGGC 3' |
| - TRP53R | 5' AACCAGATCAGGAGGGTCAC 3' |
| - LSLF | 5' TCTTTGTGAAGGAACCTTACT 3' |
| - LSLR | 5' CATTTCATCAGTTCCATAGGTT 3' |

EXPECTED AMPLIFICATIONS

WT allele : 139 bp
 KO allele: 166 bp

Perfection date : 24/06/2021

Update :