

STRAIN NAME :

CD3 epsilon

REAGENTS AND SOLUTIONS:

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

REACTION MIX :

MIX	Quantity / well	
Water	3,40	µl
2X Kapa Buffer	10,00	µl
CD3EF	2,00	µl
CD3ER	2,00	µl
3neo500	0,30	µl
5neo500	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

- CD3EF 5' GAGGCATGTGTAGGGATTAC 3'
- CD3ER 5' GCTACTACGTCTGCTACAC 3'
- 3neo500 5' CGGGAGCGGCGATACCGTAAAGC 3'
- 5neo500 5' GAAGCGGAAGGGACTGGCTGCTA 3'

EXPECTED AMPLIFICATIONS

WT allele : 643 bp
Modified allele: 500 bp

Perfection date : 21/02/2017

Update :