



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	
15 sec	60°C	35 cycles
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' GAAGCGGGAAGGGACTGGCTGCTA 3'

EXPECTED AMPLIFICATIONS

WT allele : 643 bp
Modified allele: 500 bp

Perfection date : 21/02/2017

Update :

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STRAIN NAME :

beta2m

REAGENTS AND SOLUTIONS:

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

REACTION MIX beta2m° :

MIX	Quantity / well
Water	6,00 µl
2X Kapa Buffer	10,00 µl
beta2m0	1,00 µl
beta2m5	0,5 µl
Neo55a	0,5 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

- | | |
|-----------|-----------------------------|
| - beta2m0 | 5' CTGAGCTCTGTTTTTCGTCTG 3' |
| - beta2m5 | 5' TATCAGTCTCAGTGGGGGTG 3' |
| - Neo55a | 5' CCTGCCGAGAAAGTATCCA 3' |

EXPECTED AMPLIFICATIONS

Beta2m :
 WT allele : 262 bp
 Modified allele: 768 bp

Perfection date : 30/08/2013

Update :