

STRAIN NAME : **MHC (Abeta° + 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 Abeta° :

MIX	Quantity / well
Water	7,20 µl
2X Kapa Buffer	10,00 µl
AbetaR	0,40 µl
AbetaWTF	0,20 µl
AbetaKOF	0,20 µl
DNA	2,00 µl
Final Quantity	20,00 µl

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

- | | |
|------------|-----------------------------|
| - AbetaR | 5' AGGGAGGTGTGGGTCTCC 3' |
| - AbetaWTF | 5' GTACCAGTTCATGGGCGAGT 3' |
| - AbetaKOF | 5' GTGTTGGGTCGTTTGTTCG 3' |
| | |
| - beta2m0 | 5' CTGAGCTCTGTTTTTCGTCTG 3' |
| - beta2m5 | 5' TATCAGTCTCAGTGGGGGTG 3' |
| - Neo55a | 5' CCTGCCGAGAAAGTATCCA 3' |

EXPECTED AMPLIFICATIONS

Abeta° : WT allele : 252 bp Modified allele: 170 bp	Beta2m : WT allele : 262 bp Modified allele: 768 bp
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Perfection date : 30/08/2013

Update :