

STRAIN NAME : Rag2^{-/-} TgHY ^{+/+} Thy1.1 (EM :07459)

RAG2

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	6,80 µl
2X Kapa Buffer	10,00 µl
RAG2F	0,60 µl
RAG2R	0,30 µl
RAG2neoR	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

- | | |
|------------|--------------------------------|
| - RAG2F | 5' GGGAGGACACTCACTTGCCAGTA 3' |
| - RAG2R | 5' AGTCAGGAGTCTCCATCTCACTGA 3' |
| - RAG2neoR | 5' CGGCCGGAGAACCTGCGTGCAA 3' |

EXPECTED AMPLIFICATIONS

WT allele : 263 bp
 Modified allele: 350 bp

Perfection date : 20/04/2012

Update :

HY [Tg(TcraH-Y,TcrbH-Y)71Vbo]

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
aHY1	0,30 µl
aHY2	0,30 µl
bHY1	0,30 µl
bHY2	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

- | | |
|--------|-------------------------------|
| - aHY1 | 5' CTGGAGCTCAGATGCAGTTA 3' |
| - aHY2 | 5' ACGAGCTGACGACAACCATGCAC 3' |
| - bHY1 | 5' ACAAGGTGGCAGTAACAGGA 3' |
| - bHY2 | 5' ACAGTCAGTCTGGTTCCTGA 3' |

EXPECTED AMPLIFICATIONS

WT allele : / bp
 Transgenic allele: 250 + 300 bp

Perfection date : 21/07/1997

Update :

Thy1.1

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	7,40	µl
2X Kapa Buffer	10,00	µl
Thy1 for	0,30	µl
Thy1 rev	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

- Thy1 for 5' TAGAGGTGAGACTGGTTCCCA 3'
- Thy1 rev 5' GGAAGGGTAATGGAGGTGCCT 3'

EXPECTED AMPLIFICATIONS

B6 allele : 110 bp
 Thy1.1 allele : 100 bp
 Balb/c allele : 70 bp

Perfection date : 21/06/2007

Update :