

	TRANSGENESE ET ARCHIVAGE D'ANIMAUX MODELES PHENOMIN	BM-DRF-002
	FICHE PROTOCOLE GENOTYPAGE	22/10/2013 Page : 1/3

STRAIN COMMON NAME : **hCD2-GFP Marylin (EM :08944)**

Marilyn [Tg(TcraH-Y,TcrbH-Y)1Pas]

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
Ia-2b4	0,40 µl
Samaup	0,40 µl
Fabpi200F	0,20 µl
FabpiR	0,20 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

- | | |
|-------------|---------------------------------------|
| - Ia-2b4 | 5' GCAGAGGAACCTGGGAGCTGT 3' |
| - Samaup | 5' TGCTGTCTGTACCACCAGAAATAC 3' |
| - Fabpi200F | 5' TGGACAGGACTGGACCTCTGCTTTCCTAGA 3' |
| - FabpiR | 5' TAGAGCTTTGCCACATCACAGGTCATTTCAG 3' |

EXPECTED AMPLIFICATIONS

Transgenic allele: 350 bp
 Internal control : 200 bp

Perfection date : 21/04/1998

Update :



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	
15 sec	60°C	35 cycles
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' CGCCGGAGAACCTGCGTGCAA 3'

EXPECTED AMPLIFICATIONS

WT allele : 263 bp
Modified allele: 350 bp

Perfection date : 20/04/2012

Update :