

	TRANSGENESE ET ARCHIVAGE D'ANIMAUX MODELES PHENOMIN	BM-DRF-002
	FICHE PROTOCOLE GENOTYPAGE	22/10/2013 Page : 1/2

STRAIN COMMON NAME :

Marylin (EM :00133)

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	35 cycles
15 sec	94°C	
15 sec	60°C	
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' TAGAGCTTTGCCACATCACAGGTCATTGAG 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' CGGCCGAGAACCTGCGTGCAA 3' |

EXPECTED AMPLIFICATIONS

WT allele : 263 bp
Modified allele: 350 bp

Perfection date : 20/04/2012

Update :