

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

STRAIN NAME : AYU21-18= B6;CBA-Bnc2<Gt(pU21)18lmeg>/Orl (EM :05043)

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	5,60	µl
2X Kapa Buffer	10,00	µl
Ayu 21-18 1	0,80	µl
Ayu 21-18 2	0,80	µl
Ayu 21-18 3	0,40	µl
Ayu 21-18 4	0,40	µl
DNA	2,00	µl
Final Quantity	20,00	µl

PCR PROGRAM:

3 min	95°C	
15 sec	94°C	
15 sec	55°C	35 cycles
30 sec	72°C	
5 min	72°C	

MIGRATION :

Migration on 1.5% agarose gel.

PRIMERS SEQUENCES

- Ayu 21-18 1 5' ACTCTGGCTCACAGTACGG 3'
- Ayu 21-18 2 5' GTATACATGTCTGACAATGG 3'
- Ayu 21-18 3 5' GAGTCTCTTGAATGATGCTGC 3'
- Ayu 21-18 4 5' TCAAACGGGAGTTTCTAAACCCAG 3'

EXPECTED AMPLIFICATIONS

WT allele : 1218 bp
Modified allele: 701 bp

Perfection date : 28/09/2012

Update :