

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

STRAIN NAME :

DNA pol eta

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
ETA F	0,60 µl
ETA R	0,30 µl
ETA KO	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

- ETA F 5' TCAGATATATGGCAGGGCAG 3'
- ETA R 5' GCATTGTACACCTGTGGTCC 3'
- ETA KO 5' GTCTCCCCAGATGTATCTCC 3'

EXPECTED AMPLIFICATIONS

WT allele (+) : 250 bp
 KO allele (o): 550 bp

Perfection date : 13/04/2011

Update :



STRAIN NAME :

DNA pol iota

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	6,40 µl
2X Kapa Buffer	10,00 µl
iota F	0,80 µl
iota R	0,40 µl
iota KO	0,40 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

- iota F 5' ACAGGGAACAGTTGCCTTCC 3'
- iota R 5' TGTTTCGCTTCAGTGCGCAG 3'
- iota KO KO 5' AGGGTTTTCCAGTCACGAC 3'

EXPECTED AMPLIFICATIONS

WT allele (+) : 800 bp
KO allele (o): 1100 bp

Perfection date : 13/04/2011

Update :



STRAIN NAME :

DNA pol kappa

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
kappa F	0,60 µl
kappa R	0,30 µl
kappa KO	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

- kappa F 5' CTGATGTGACCGCTGTAAATGTTG 3'
- kappa R 5' GATCCTGCAATCAATAGCTCACGG 3'
- kappa KO 5' CTGTGGAGATGCCTTAGCGG 3'

EXPECTED AMPLIFICATIONS

WT allele (+) : 700 bp
KO allele (o): 400 bp

Perfection date : 13/04/2011

Update :