

	TRANSGENESE ET ARCHIVAGE D'ANIMAUX MODELES PHENOMIN	BM-DRF-002 22/10/2013
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STRAIN NAME : **DPP4**

REAGENTS AND SOLUTIONS:

- Kapa Mouse Genotyping kit (Clinisciences)
- Primers 30µM (Eurogentec)
- Mineral Oil (Fisher Scientific)
- DNA (extracted with Kapa Mouse Genotyping kit)

REACTION MIX WT allele :

MIX	Quantity / well
Water	7,00 µl
2X Kapa Buffer	10,00 µl
DPP4 sens	0,50 µl
DPP4 as	0,50 µl
DNA	2,00 µl
Final Quantity	20,00 µl

REACTION MIX KO allele :

MIX	Quantity / well
Water	7,00 µl
2X Kapa Buffer	10,00 µl
DPP4 sens	0,50 µl
PGK1 as	0,50 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

- DPP4 sens 5' GTAGATGCATCCAATGACCC 3'
- DPP4 as 5' ACATTAGTTAGCGCAAGGCG 3'
- PGK1 as 5' ACTTGTGTAGCGCCAAGTGC 3'

EXPECTED AMPLIFICATIONS

WT allele : 900 bp
Modified allele: 900 bp

Perfection date : 31/08/2012

Update :