TRANSGENESE ET ARCHIVAGE D'ANIMAUX MODELES

FICHE PROTOCOLE GENOTYPAGE

STRAIN NAME : Npdc1

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	6,00	µl
2X Kapa Buffer	10,00	µl
Npdc1 for	0,70	µl
Npdc1 rev	1,00	µl
Npdc1 plasm	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

- Npdc1 for 5' TGTGTGGCATGTGTTTCCTT 3'
- Npdc1 rev 5' GGCTCAGCCTAGTCCAACAC 3'
- Npdc1 plasm 5' AGCCCACAAATGTCAACAGC 3'

EXPECTED AMPLIFICATIONS

WT allele (+) : 187 bp
KO allele (o) : 150 bp

Validation date : 31/03/2004
Update :