



STRAIN NAME : **HNF1b**

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        |
| HNF1b1Co       | 0,60 µl         |
| HNF1b1mut      | 0,30 µl         |
| HNF1b1WT       | 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

- HNF1b1Co 5' TGCATCTTGCCGAAAGCTGAG 3'
- HNF1b1mut 5' CTCTTCGCTATTACGCCAGCTG 3'
- HNF1b1WT 5' AGGAGTGTCATAGTCGTCGC 3'

EXPECTED AMPLIFICATIONS

WT allele : 518 bp  
Modified allele: 410 bp

*Perfection date : 28/03/2014*

*Update :*