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

Mtnr1b

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 |
| Mtnr1bWTF | 0,30 µl |
| Mtnr1bWTR | 0,30 µl |
| Mtnr1bmutF | 0,30 µl |
| Mtnr1bmutR | 0,30 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

- Mtnr1bWTF 5' GCGGGAGGGCCATAAAAAGTGGC 3'
- Mtnr1bWTR 5' CTTCTTGTTGCGGTACACAGACAGG 3'
- Mtnr1bmutF 5' CTAGTCTGTTTCAGCTGTGTACACC 3'
- Mtnr1bmutR 5' ATGGGTCCCTGGAAGTCACTCACC 3'

EXPECTED AMPLIFICATIONS

WT allele : 143 bp
Modified allele: 666 bp

Perfection date : 05/10/2022

Update :