

STRAIN NAME :

**Arap1**

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        |
| Arap1F         | 0,60 µl         |
| Arap1R         | 0,60 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

- Arap1F      5' CTCAGCAGCCCTTTAGGTTG 3'
- Arap1R      5' CCACACAGCGGTACACAATC 3'

EXPECTED AMPLIFICATIONS

WT allele : 411 bp  
mutant allele: 189 bp

*Perfection date : 01/02/2019*

*Update :*