

	<b>TRANSGENESE ET ARCHIVAGE D'ANIMAUX MODELES PHENOMIN</b>	<b>BM-DRF-002</b>
	<b>FICHE PROTOCOLE GENOTYPAGE</b>	<b>22/10/2013</b>  <b>Page : 1/1</b>

STRAIN NAME : **Smarca4**

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
Smarca4F	1,00 µl
Smarca4R	1,00 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

- Smarca4F 5' AGGCCGCAGCCTACTCACA 3'
- Smarca4R 5' CTGGTGCTACCCATCACTGCTAAG 3'

EXPECTED AMPLIFICATIONS

WT allele : 157 bp  
 KI allele : 509 bp

*Perfection date : 13/07/2022*

*Update :*