TRANSGENESE ET ARCHIVAGE D'ANIMAUX MODELES

FICHE PROTOCOLE GENOTYPAGE

STRAIN NAME : Fuca1 KO

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
Fuca1F	0,80	µl
Fuca1WTR	0,30	µl
Fuca1KOR	0,50	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

- Fuca1F 5' GGTTCGATGAGGCCAAGTTC 3'
- Fuca1WTR 5' CTCGTCTTTAGCGTCCTTCC 3'
- Fuca1KOR 5' CGGCTGCATACGCTTGATCCG 3'

EXPECTED AMPLIFICATIONS

WT allele (+) : 350 bp
KO allele (o) : 735 bp

Validation date : 21/09/2026
Update :