

STRAIN NAME :**Lgr5em1creERT2**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
LGR5em1creF	0.30 µl
LGR5em1creR	0.30 µl
LGR5em1WTF	0,30 µl
LGR5em1WTR	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

- LGR5em1creF 5' ACCAGCTTACCCCATGACTG 3'
- LGR5em1creR 5' ATGTTTAGCTGGCCCAAATG 3'
- LGR5em1WTF 5' CGAAGAGCATTTCAGGCTGC 3'
- LGR5em1WTR 5' ACTGCATCCTTTACTGCCCC 3'

EXPECTED AMPLIFICATIONS

WT allele (+) : 657 bp
Mutant allele (m) : 436 bp

Validation date : 21/01/2026

Update :