



STRAIN NAME :

Oma1 E324Q

REAGENTS AND SOLUTIONS:

- Kapa Mouse Genotyping kit (Sigma)
- NlaIII restriction enzyme 10u/μl (NEB)
- Primers 30μM (Eurofins)
- Mineral Oil (Fisher Scientific)
- DNA (extracted with Kapa Mouse Genotyping kit)

PCR REACTION MIX :

MIX	Quantity / well
Water	7,60 μl
2X Kapa Buffer	10,00 μl
Oma1F	0,20 μl
Oma1R	0,20 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

- Oma1F 5' AATGCCTTTGTGCTCCAGT 3'
- Oma1R 5' TCGGCCCATGTCATTACTGT 3'

EXPECTED AMPLIFICATIONS : all alleles amplify at 706 bp

ENZYMATIC RESTRICTION REACTION MIX :

MIX	Quantity / well
Water	7,50 μl
10X Sspl Buffer	2,00 μl
NlaIII	0,50 μl
PCR	10,00 μl
Final Quantity	20,00 μl

RESTRICTION PROGRAM: at least 3 hours at 37°C

EXPECTED FRAGMENTS : WT allele 197bp + 509 bp

Mutant allele : 706 bp

Perfection date : 05/03/2026

Update :