

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

STRAIN NAME :

Gzmb-mTFP KI

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
Gzmb-mTFP-WTF	0,30 µl
Gzmb-mTFP-R	0,60 µl
Gzmb-mTFP-KIF	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

- Gzmb-mTFP-WTF 5' CAACAGCTCAGTGCCTTGTATCCA 3'
- Gzmb-mTFP-R 5' ACAGAGCTGGTCCTTGTGAAT 3'
- Gzmb-mTFP-KIF 5' ACCGCATCGAGATCCTGAACC 3'

EXPECTED AMPLIFICATIONS

WT allele : 320 bp
Modified allele: 247 bp

Perfection date : 30/03/2021

Update :