



STRAIN NAME : Ctnnb1 tm3 Kba (betacath D164A + betacath DC)

REAGENTS AND SOLUTIONS:

- Kapa Mouse Genotyping kit (Sigma)
- Primers 30µM (Eurofins)
- Mineral Oil (Fisher Scientific)
- DNA (extracted with Kapa Mouse Genotyping kit)

REACTION MIX

betacath D164A :

MIX	Quantity / well
Water	6,80 µl
2X Kapa Buffer	10,00 µl
BcatD164AF	0,60 µl
BcatD164AR	0,60 µl
DNA	2,00 µl
Final Quantity	20,00 µl

betacath DC :

MIX	Quantity / well
Water	6,80 µl
2X Kapa Buffer	10,00 µl
BcatDCF	0,60 µl
BcatDCR	0,60 µl
DNA	2,00 µl
Final Quantity	20,00 µl

PCR PROGRAM:

betacath D164A :

3 min	95°C	
15 sec	94°C	
15 sec	55°C	35 cycles
30 sec	72°C	
5 min	72°C	

betacath DC :

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

- BcatD164AF 5' TCCCTGAGACGCTAGATG 3'
- BcatD164AR 5' GAGTCCCAGCAGTACAAC 3'

- BcatDCF 5' GTGCACACGTCATGCTTTAC 3'
- BcatDCR 5' TGGCTTGCCTCAGACATTTCG 3'

EXPECTED AMPLIFICATIONS

betacath D164A :

WT allele (+) : 475 bp
Mutant allele (m) : 628 bp

betacath DC :

WT allele (+) : 349 bp
Mutant allele (m) : 415 bp

Validation date : 21/01/2026

Update :