

PCR analysis for CC10/rtTA mouse:

Primers

Primer 128: 5' GCAAAAGAGGAAAGAGAGAC 3'

Primer 129: 5' ATAAGGGAATGGTTGGGAAG 3'

PCR mix (per reaction)

H₂O: 12.4 µl

10X PCR BUFFER: 2 µl

MgCl₂ 25 mM: 1.2 µl

dNTPs 2.5 mM: 1 µl

Primer 128 (5 pmole/µl): 1 µl

Primer 129 (5 pmole/µl): 1 µl

Taq: 0.4 µl

Dna template 1 µl (80ng)

Final vol. = 20 µl

CC10/rtTA

PRIMERS: rtTA 53, rtTA54 (STOCK# 128, 129) 5pmol/λ

DNTPs: 0.125 mM C_{final}

MgCl₂: 1.5 mM C_{final}

Program: DIMITR/RTA (57(+59)°C, 31 cycles)

CC10/rtTA and Tet O Bi can run together using both sets of primers under Tet O Bi conditions, without changing dNTP or MgCl₂ concentrations

- Wild type will give you no band, homozygous and heterozygous mutants will give the 455 bp band.