

PCR analysis for CC10-Cre mouse:

Primers

Primer 188: 5' ATTACCGGTCGATGCAACGAGT 3'

Primer 189: 5' CAGGTATCTCTGACCAGAGTCA 3'

PCR mix (per reaction)

H ₂ O:	12.4 µl
10X PCR BUFFER:	2 µl
MgCl ₂ 25 mM:	1.2 µl
dNTPs 2.5 mM:	1 µl
Primer 188 (5pmole/λ):	1 µl
Primer 189 (5 pmole/λ):	1 µl
Taq:	0.4 µl
DNA template (80ng):	1 µl

Final vol. = 20 µl

"CRE"-program:

1. 5 min, 94°C
2. 1 min, 94°C
3. 1 min, 57°C
4. 1 min, 72°C
cycle 6 times to step 2.
5. 10 sec, 94°C,
6. 50 sec, 55°C
7. 1 min, 50 sec 72 °C
cycle 26 times to step 5.
8. 10 min, 72 °C
end store at 4°C

- Wild type will give you no band, homozygous and heterozygous mutants will give the 800 bp band.