

CHAT

In our nomenclature, "N" is the neo cassette, which could be flp'd out but has not been and "C" is the piece of chat that is floxed. So what you got is "NC" and what you will have after adding cre is "N" In other words, the "C" and "O" alleles are irrelevant unless you end up mating to a flp mouse, which there is no reason to do.

KOCHAT-NC: F4 + 4667 approx. 350bp mutant band

KOCHAT-N: F11 + 4667 approx. 325 bp mutant band

KOCHAT-C: F4 + R13 approx. 565 bp mutant band, approx. 500bp WT band

KOCHAT-O: F11 + R13 approx. 600bp mutant band

WT: F4 + R13 approx. 500bp WT band

F4: 5' ctg cca gtc aac tct ag 3'

F11: 5' caa acg taa tat atg ttt gtt gga gc 3'

R13: 5' gaa atc ctg aca gat tcc aac agg 3'

4667: 5' ccg cct cag gac tct tcc ttt 3'

Annealing temp for PCR = 60C