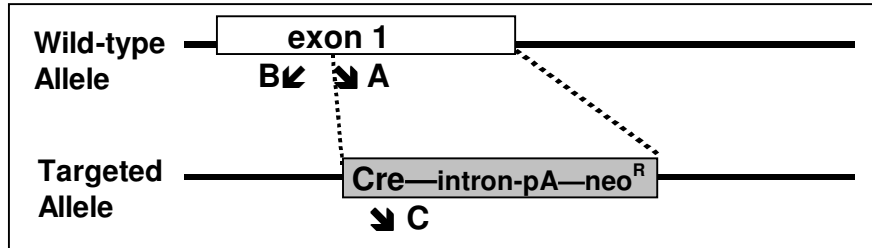


Genotyping of F4/80-Cre Knock-In Mice

(from Schaller *et al.* (2002) *Mol.Cell.Biol.* 22:8035-8043)



Primer	Description
↘A 5'-AGA GGA GCA GCC AAA AGC CCC-3'	F4/80 exon 1
↙B 5'-CTG ATG GTG GCA ACT CAG C-3'	F4/80 3.4
↘C 5'-GCA TGC ACC GGT AAT GCA GGC-3'	Cre rev1

1X Master Mix:

5 μ l 25mM MgCl₂
 1 μ l 10mM dNTPs
 1 μ l 100 pmoles primer B
 1 μ l 100 pmoles primer A or C
 2 μ l 5U/ μ l Taq
 1 μ l genomic DNA
 39 μ l H₂O

PCR conditions:

30 cycles, each of 1 min at 94°C, 30 sec at 63°C, and 1 min at 72°C
 Then end with 5 min incubation at 72°C, and then cool to 4°C

Products (on 2% agarose gel):

↙B—↘A = 100 bp in wild-type

↙B—↘C = 145 bp in F4/80 Cre knock-in