

PCR Genotyping of fR2 mice

Date: 9/20/2007

Reaction mixture	Volume (μl)	13x	Samples	Controls
dH2O	17.1	222.3	14006-14	4344 (+/+)
10x PCR Buffer	2.5	32.5		TE
dNTPs (10 mM)	0.2	2.6		
Primer 195+	1.5	19.5		
Primer 5824+	1.5	19.5		
Primer 6017-	1.5	19.5		
Qiagen Taq	0.2	2.6		
DNA	0.5			
Total:	25	318.5		

Cycling Conditions

Program Name: F-R2

Temperature	Time	
92 °C	load	
95 °C	2:00	} 33 cycles
95 °C	0:25	
59 °C	1:00	
72 °C	1:00	
72 °C	10 min	
7 °C	hold	

Run PCR products on a 1.5% agarose gel.

WT : 200 bp and potentially 1200 bp

floxed: 250 bp

knockout: 470 bp

Primer Sequences:

195+ 5' tgccacatctaagattgtgacattccat 3'
 5824+ 5' gtgtctctggggaagtcaattgatctg 3'
 6017- 5' tgatatattcctcttctcagccagtgg 3'