

PCR Genotyping of KA1-KO mice

Date: 9/20/2007

Reaction mixture	Volume (ml)	17x
DNA	0.5	
Q buffer (Qiagen)	1.5	25.5
10X buffer (Qiagen)	1.5	25.5
10uM KA1-P1	0.3	5.1
10uM KA1-P2	0.3	5.1
10uM KA1-P6	0.45	7.65
MgCl ₂ (25mM)	0.6	10.2
dNTP (10mM)	0.75	12.75
Taq	0.1	1.7
ddH ₂ O	9	153
	15	246.5

Samples	Controls
19032-40	19003 (-/-)
AC 8/20	19005 (+/-)
AC 8/21	19004 (+/+)
	TE

Cycling Conditions

Program Name: F-KA1

Temperature	Time	
94 °C	3:00	} 35 cycles
94 °C	0:30	
62 °C	0:30	
72 °C	0:30	
72 °C	8:00	
4 °C	hold	

Primer Sequences

KA1-P1 GCA GGC TGA ACT CTG AGT TT
 KA1-P2 CCA GAG ACA GCA CTA GGT GC
 KA1-P6 GCC TGG GCT AGA GTG AGA C

WT band = ~280 bp

KO band = ~450 bp