

PCR Genotyping of GluR5R mice

Date: 9/20/2007

Reaction mixture	Volume (μl)	15x	Samples	Controls
dH2O	16.8	252	8/20 #2	3203 (-/-)
5x Q Solution	2.5	37.5	8/21 #1,2	3204 (+/-)
10x PCR Buffer	2.5	37.5	8/22 #1,2	3206 (+/+)
dNTPs (10 mM)	0.5	7.5	8/30 #1,2	TE
Primer R5SP1	1	15	8/31 #1,2	
Primer R5SP2	1	15		
Qiagen Taq	0.2	3		
DNA	0.5			
Total:	25	367.5		

Cycling Conditions

Program Name: GLUR5-R

Temperature	Time	
94 °C	4:00	} 31 cycles
92 °C	0:15	
65 °C	0:45	
72 °C	0:45	
72 °C	5:00	
4 °C	hold	

Run PCR products on a 1.5% agarose gel.

WT : 307 bp

Mutant band : 392 bp

Primer Sequences:

R5SP1

TTT TCC TTC TTA GCC ATA ACT TCA CAA GTC

R5SP2

CTC CAC AAA CAA AAG CAA AAA TCT CTG AAA T