

PCR Genotyping of f-mGluR5 mice

Date: 9/20/2007

Reaction mixture	Volume (μl)	41x	Samples	Controls
dH2O	8.9	364.9	16027-40	16006 (+/-)
5x Q Solution	1.5	61.5	16042-62	(+/+)
10x PCR Buffer	1.5	61.5		TE
MgCl2	0.6	24.6		
dNTPs (10 mM)	0.4	16.4		
Primer 153 (30uM)	0.5	20.5		
Primer 316 (30 uM)	0.5	20.5		
Primer 154 (30uM)	0.5	20.5		
Qiagen Taq	0.1	4.1		
DNA	0.5			
Total:	15	594.5		

Cycling Conditions

Program Name: MGLUR5

Temperature	Time	
94 °C	3:00	} 36 cycles
94 °C	0:30	
61 °C	0:30	
72 °C	0:30	
72 °C	10:00	
20 °C	20 min	

Run PCR products on a 1.5% agarose gel.

WT : 200 bp
 flox: 260 bp
 deleted : 360 bp

Primer Sequences:

Primer 153 agatgtcccacttacctgatgt
 Primer 154 agttccgtgtctttattcttagc
 Primer 316 aggcgcttccaaatagagg