

PCR Genotyping of *fmr1* mice

Date: 9/20/2007

Reaction mixture	Volume (μ l)	18x
gDNA	3	
10 μ M oIMR 162	3	54
10 μ M oIMR 163	3	54
10 μ M KOS1	3	54
10 μ M KOS2	3	54
10x Buffer	2.5	45
25 mM MgCl ₂	0.5	9
10 mM dNTPs	1	18
5x Q Solution	2.5	45
Taq	0.2	3.6
dH ₂ O	3.3	59.4
Total:	25	396

(22 of Mix)

Samples (EH)	Controls
5/14 #1,2,3,4	2182 -/y
5/16 #1,2,3,4,5	2200 +/-
8/4 #2,3,4	2142 +/y
	TE

Mix Factor: 18

Program Name: FMR-TR

Cycling Conditions

Total Time: 79 min

Temperature	Time
94 °C	2:00
94 °C	0:30
63 °C	1:00
72 °C	1:00
72 °C	7:00
4 °C	hold

} 28 cycles

Run PCR products on a 1.5% agarose gel

WT *fmr1*: 500 bp

Neomycin cassette: 197 bp