

# PCR Genotyping of EB3-t mice

Date: 9/20/2007

Reaction mixture	Volume ( $\mu$ l)	number reactions	Samples	Controls
		10		
gDNA	0.5			4166 (+/-)
10x PCR buffer	2.5	25		7122
1 mM each dNTPs	1	10		TE
EB3-TM primer (10uM)	0.5	5		
EB3-t primer (10uM)	0.5	5		
Taq	0.25	2.5		
dH2O	19.75	197.5		
Total:	25	245		

## Cycling Conditions

Program Name: GR

Temperature	Time	
95 °C	2:00	} 34 cycles
95 °C	0:25	
58 °C	1:00	
72 °C	1:00	
72 °C	10:00	
4 °C	hold	

Run PCR contents on a 2% agarose gel with 6x loading buffer and 1ug 100bp ladder

WT : 250 bp

EB3 C-terminal truncation (EB3-TM - EB3-t) : 280 bp

Primer Sequences:

EB3-t

ATG TTC GGA GGG CTC TGG

EB3-TM

GAC GGC GGG CCA AGC CTT CGG AGA G