

PCR Genotyping of EB3-LZ, EB3-H1 mice

Date: 9/20/2007

Reaction mixture	Volume (μl)	Multiple	Samples	Controls	Sample#
gDNA	0.5	15	1152-1	4620	
10x Buffer	2.5	37.5	to	4637	
1 mM dNTPs	1	15	1152-14	4626	
EB3-TM (10μM)	1	15	8/10/07-1	TE	
EB3-LZ (10 μM)	1	15			
EB3-GTB2N (10 μM)	1	15			
Taq	0.25	3.75			
dH2O	17.75	266.25			
Total:	25	367.5			

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 1.5% agarose gel with 6X loading buffer and 8 ul 100bp ladder

WT : 400 bp

Heterozygote : 150 bp and 400 bp

Homozygote : 150 bp

Primer Sequences:

EB3-TM	GAC GGC GGG CCA AGC CTT CGG AGA G
EB3-GTB2N	ATA GCC AGG AGG AGC CAA AGA G
EB3-LZ	AGG CGA TTA AGT TGG GTA ACG
