RIKEN BRC

Dec. 27, 2005

BRC_No 01208 **Strain name** GATA-1-HRD-GFPトランスジェニックマウス

Primer

	primer_name	primer_seq	length
1	GFPs4	CTGAAGTTCATCTGCACCACC	21
2	GFPas4	GAAGTTGTACTCCAGCTTGTGC	22
3		CAAATGTTGCTTGTCTGGTG	20
4		GTCAGTCGAGTGCACAGTTT	20

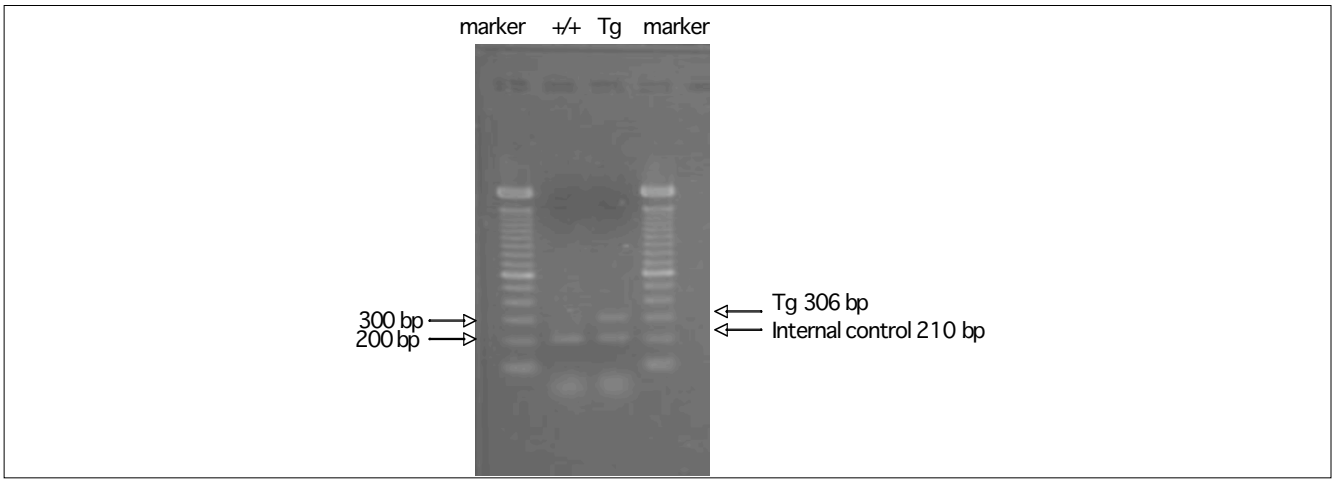
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

	Conc	Run 1	Run 2	Run 3
H2O		13.3		
PCR buffer	10 X	2.5		
dNTP	2.5 mM	2.0		
primer 1	10 pmol/μl	1.0		
primer 2	10 pmol/μl	1.0		
primer 3	10 pmol/μl	2.0		
primer 4	10 pmol/μl	2.0		
DNA		1.0		
Taq		0.2		
	total	25		

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	300	
2	94	30	*
3	55	30	*
4	72	30	* *Repeat for 35 cycles
5	72	300	



Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

2% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	306 bp	Tg
primer 3	primer 4	210 bp	internal control (Tcrd)

Comment