RIKEN BRC

Jun. 28, 2006

BRC_No 01650 **Strain name** IR2

Primer

	primer_name	primer_seq	length	
1	EGFP-1U	CACCCTCGTGACCACCCTGACCTAC	25	
2	EGFP-1L	CTTGATGCCGTTCTTCTGCTTGTCG	25	
3	oIMR0015	CAAATGTTGCTTGTCTGGTG	20	Internal control (Tcrd)
4	oIMR0016	GTCAGTCGAGTGCACAGTTT	20	Internal control (Tcrd)

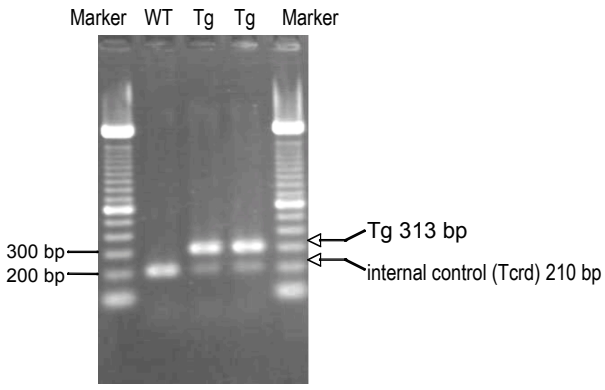
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

	Conc	Run 1	Run 2	Run 3
H2O		14.3		
PCR buffer	10 X	2.5		
dNTP	2.5 mM	2.0		
primer 1	10 pmol/ μl	0.5		
primer 2	10 pmol/ μl	0.5		
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	180	
2	94	30	*
3	55	30	*
4	72	60	* *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	313 bp	Tg
primer 3	primer 4	210 bp	internal control (Tcrd)

Comment