RIKEN BRC

Jun. 13, 2006

BRC_No 00908 **Strain name** 5'XBN line648

Primer

	primer_name	primer_seq	length	
1	c-maf geno5'	TGTTCACGTTCGAGCTTTC	19	
2	b-gal3	GATTAAGTTGGGTAACGCC	19	
3	olMR0015	CAAATGTTGCTTGTCTGGTG	20	Internal control (Tcrd)
4	olMR0016	GTCAGTCGAGTGCACAGTTT	20	Internal control (Tcrd)

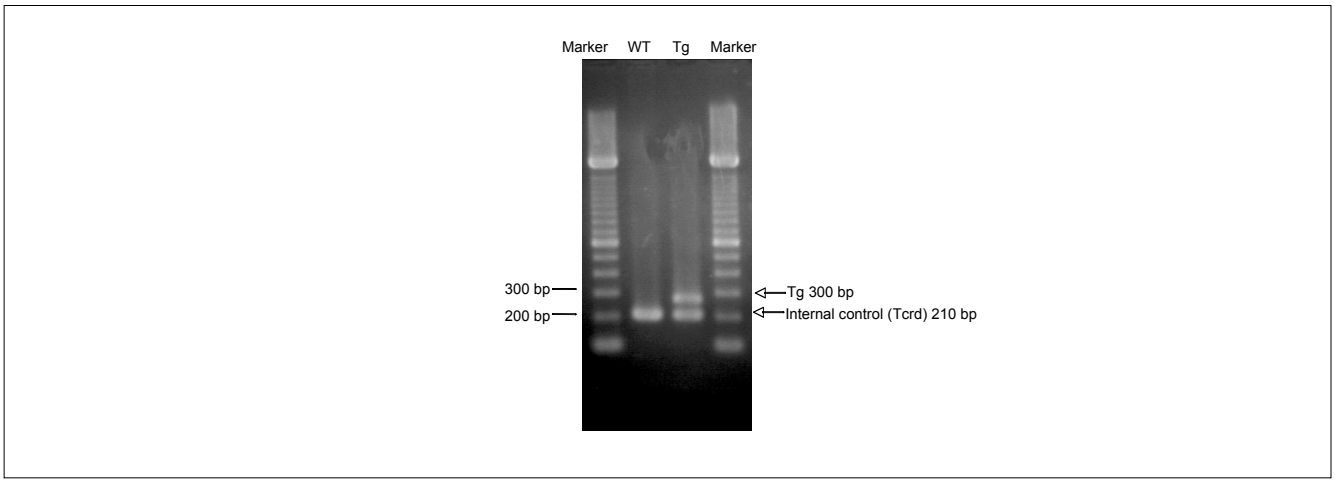
Reaction Components

Enzyme TaKaRa Ex Taq

	Conc	Run 1	Run 2	Run 3
H2O		15.3		
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	1.0		
primer 4	10 pmol/μl	1.0		
DNA		1.0		
Taq		0.2		
	total	25		

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	300	
2	94	30	*
3	60	30	*
4	72	30	* *Repeat for 35 cycles
5	72	300	



Marker

1 kb plus DNA ladder (Invitrogen, Cat. 10787-026)

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	300 bp	Tg
primer 3	primer 4	210 bp	internal control (Tcrd)

Comment