RIKEN BRC

Jun. 8, 2006

BRC_No 01605 **Strain name** TM222

Primer

	primer_name	primer_seq	length	
1	TM222 genome-R1	CCACAGAGATACGAGGGAAGGAAACACACG	30	
2	TM222 genome-F1	TTCCAGGTCTCAGATTTGCTTTCACTTGTG	30	
3	T-BAL	CTTGTGTCATGCACAAAGTAGATGTCC	27	

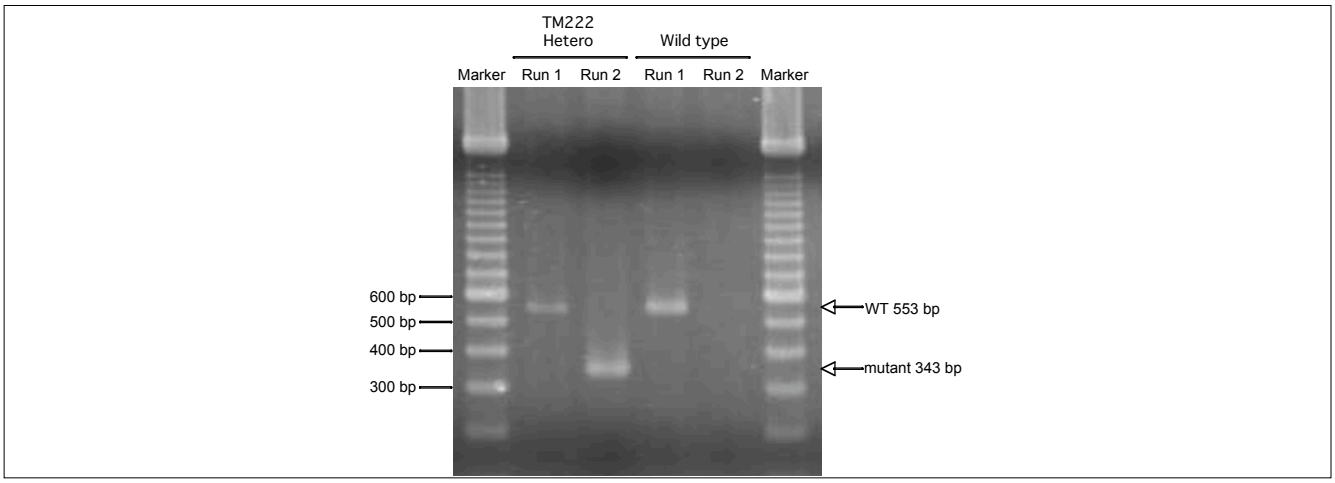
Reaction Components

Enzyme TaKaRa Ex Taq

	Conc	Run 1	Run 2	Run 3
H2O		17.3	17.3	
PCR buffer	10 X	2.5	2.5	
dNTP	2.5 mM	2.0	2.0	
primer 1	10 pmol/ μl	1.0	1.0	
primer 2	10 pmol/ μl	1.0	0	
primer 3	10 pmol/ μl	0	1.0	
DNA		1.0	1.0	
Taq		0.2	0.2	
	total	25	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, 40 min)

Comment

PCR products

primer_set		product_size	product
primer 1	primer 2	553 bp	wild
primer 1	primer 3	343 bp	mutant