

BRC_No 01275 Strain name mt-KIT^{V620A} Tg-4 BDF1 x B6

Primer			
	primer_name	primer_seq	length
1	MTvector F2	GAGTGCAGTGGCACAATCTTGGCTC	25
2	MTvector R	GCATGAGAGGACAGTGCCAAGCAAG	25
3		CAAATGTTGCTTGTCTGGTG	20
4		GTCAGTCGAGTGCACAGTTT	20

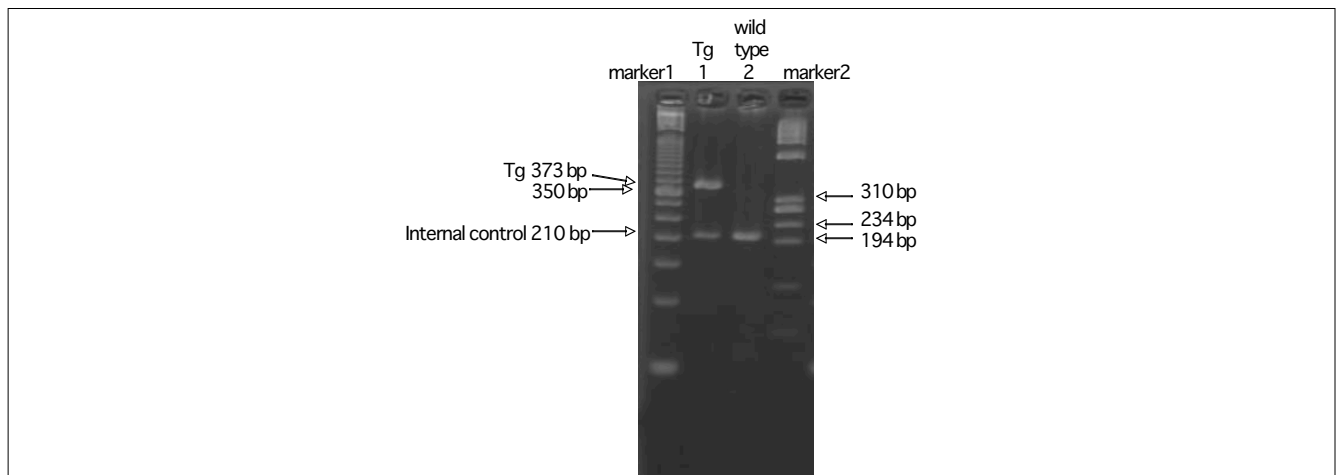
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

	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/ μ l	1.0		
primer 2	10 pmol/ μ l	1.0		
primer 3	10 pmol/ μ l	1.0		
primer 4	10 pmol/ μ l	1.0		
DNA		1.0		
Taq		0.2		
total		25		

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	



Marker

50 bp ladder (Invitrogen, Cat. 10416-014)

Gel

4% Nusieve in 0.5 X TBE (100 V, 45 min)

PCR products

primer_set	product_size	product
primer 1 primer 2	373 bp	Tg
primer 3 primer 4	210 bp	internal control (Tcrd)

Comment