

RBRC 05943      Strain name B6.Cg-Tg(Mt1-RET)242Ina Tg(Dct-LacZ)A12Jkn

Primer	primer_name	primer_seq	length	
1	mt1	GTCCTCTAAGCGTCACCACGACTTC	25	RIKEN BRC
2	RFP/RET(~1500)	ACTCGGGGAGGCGTTC	16	Depositor's primer
3	LFp	CAGGACACGGCTTGTCATCATGGTGT	26	Depositor's primer
4	DRp	CATTGATCGTCTCTCAGGAATTCA	24	Depositor's primer
5	LRp	CCACACAGACACCTACCACATGCGT	25	Depositor's primer

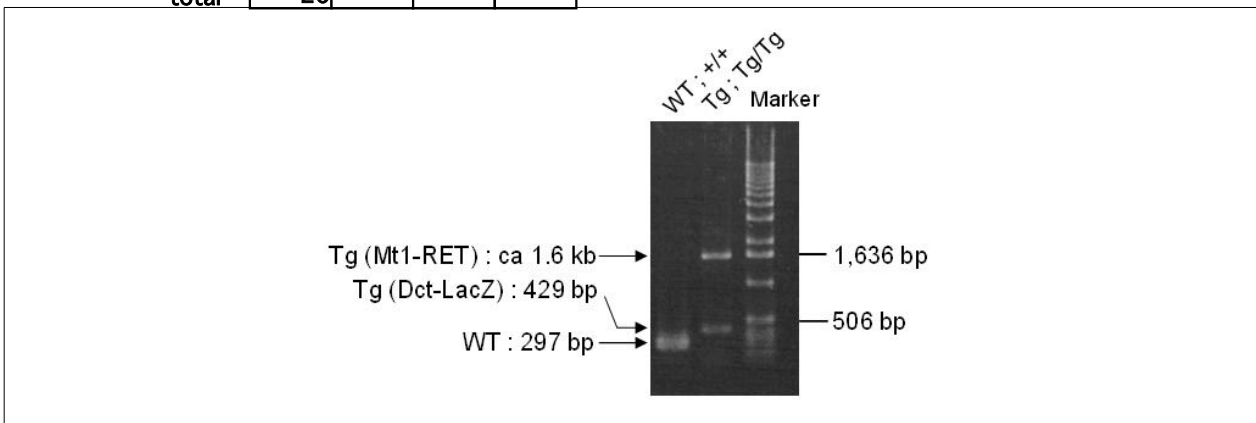
### Reaction Components

Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

### Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.9			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
primer 3	10 pmol/ $\mu$ l	1.0			
primer 4	10 pmol/ $\mu$ l	1.0			
primer 5	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq	5 U/ $\mu$ l	0.1			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	



### Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

### Gel

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

### PCR products

primer_set	product_size	product
primer 1 / primer 2	ca 1.6 kb	Tg(Mt1-RET)
primer 3 / primer 4	429 bp	Tg(Dct-LacZ)
primer 3 / primer 5	297 bp	WT

Comment