

RBRC 01413 Strain name GFP-LC3#53 (B6D2) (BALB/cAnN)

Primer	primer_name	primer_seq	length	
1		GGTGTTTGTTCCGTACACATCACC	24	RIKEN BRC
2		GGCAAAGCGGCAAACAACCATCAC	24	RIKEN BRC
3	C-B-ACTAT	GAGTGAAGCAGAACGTGGGGCTCACCTCGA	30	RIKEN BRC

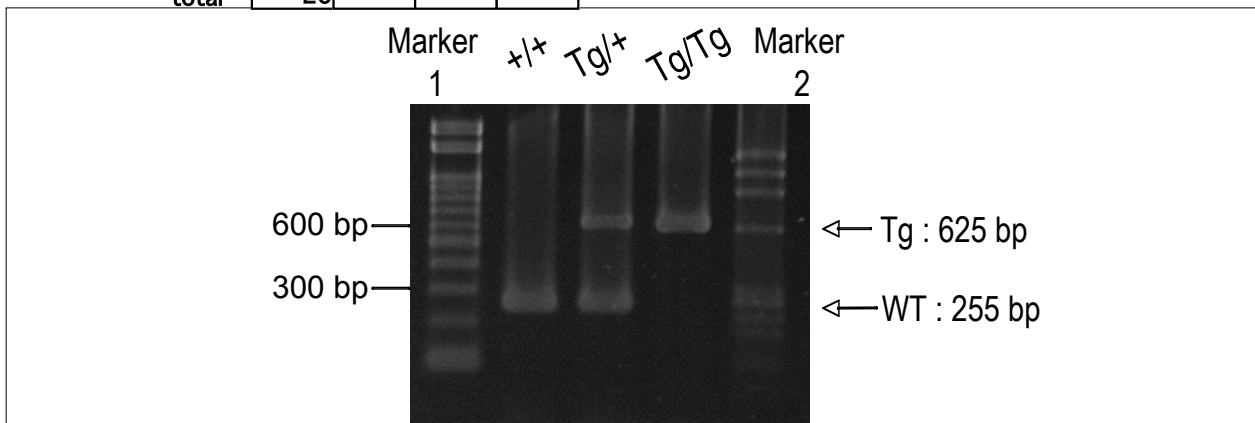
Reaction Components

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
PCR buffer	2 X	10.0			
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			
DNA		1.0			
Taq		0.2			
total		20			

Reaction Conditions

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
marker 1: Gene Ladder 100 (Wako, Cat. 316-06951), marker 2: ϕ X174 Hae III

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

PCR products			
primer_set	product_size	product	
primer 1	primer 3	625 bp	Tg
primer 1	primer 2	255 bp	WT

Comment