

PCR protocol

RBRC 02409

Strain name B6.Cg-Tg(NDE-GDF1,lacZ)37Hmd

Primer	primer_name	primer_seq	length
1	NDE 5'	CCTGAGAGGTTACATAGAAGGACATGTAGGGGC	34
2	NDE 3'	GGAGCAAAGGTGCTCACTGCTCCTCCCACAT	30
3	mLC3ex3GT	TGAGCGAGCTCATCAAGATAATCAGGT	27
4	mLC3ex4AG	GTTAGCATTGAGCTGCAAGCGCCGTCT	27

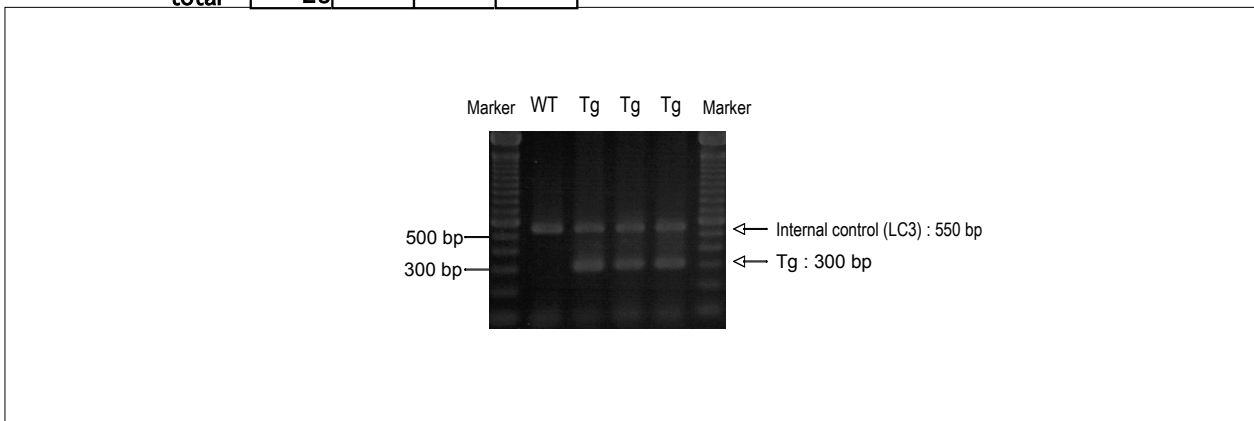
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	63	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

Conc	Run 1	Run 2	Run 3	Run 4
H2O	15.3			
PCR buffer	2.5			
dNTP	2.0			
primer 1	1.0			
primer 2	1.0			
primer 3	1.0			
primer 4	1.0			
DNA	1.0			
Taq	0.2			
total	25			


Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

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

PCR products

primer_set	product_size	product
primer 1	300 bp	Tg
primer 3	550 bp	internal control (LC3)

Comment