

PCR protocol

RBRC 02760

Strain name B6.Cg-Atg7<tm1.1Tchi>

Primer	primer_name	primer_seq	length
1		CATCTTG TAGCACCTGCTGACCTGG	25
2		ccactggcccatcagtgagcatg	23
3		GCGGATCCTcgtataatgtatgctatacgaagttat	36

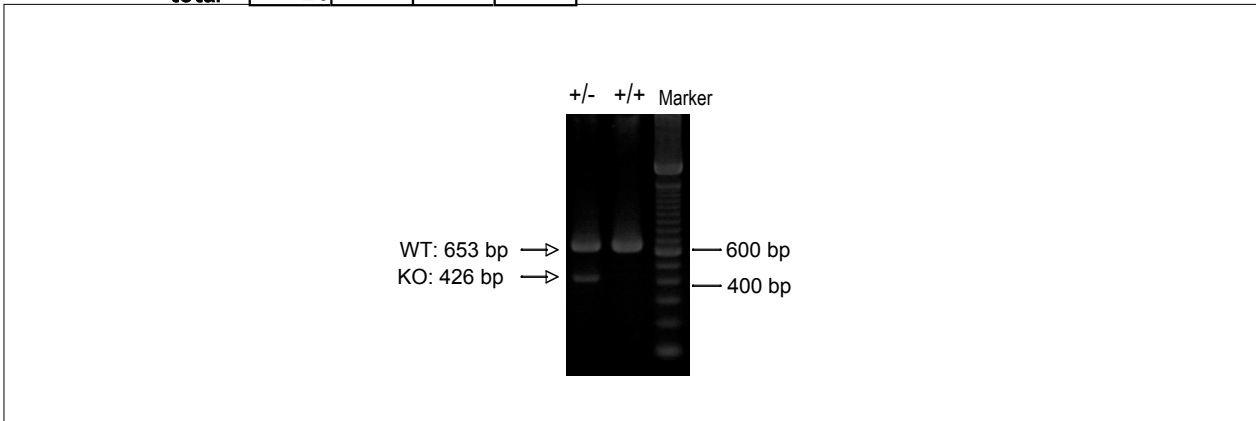
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
PCR buffer	2 X GC I	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			

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

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	primer 2	653 bp	WT
primer 1	primer 2	426 bp	KO

Comment