

PCR protocol

RBRC 04846

Strain name B6.Cg-Tg(CAG-St6gal1)3

Primer	primer_name	primer_seq	length	
1	ratST16F	TTGAAGAAAAAGTTCAGCCTCTTCA	25	Depositor's primer
2	ratST810R	TGGTTTCTGATACCACTTTGGGATA	25	Depositor's primer
3	ratST876R	GATATAAAATGGCTGGCTGGGGTTC	25	Depositor's primer
4	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
5	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

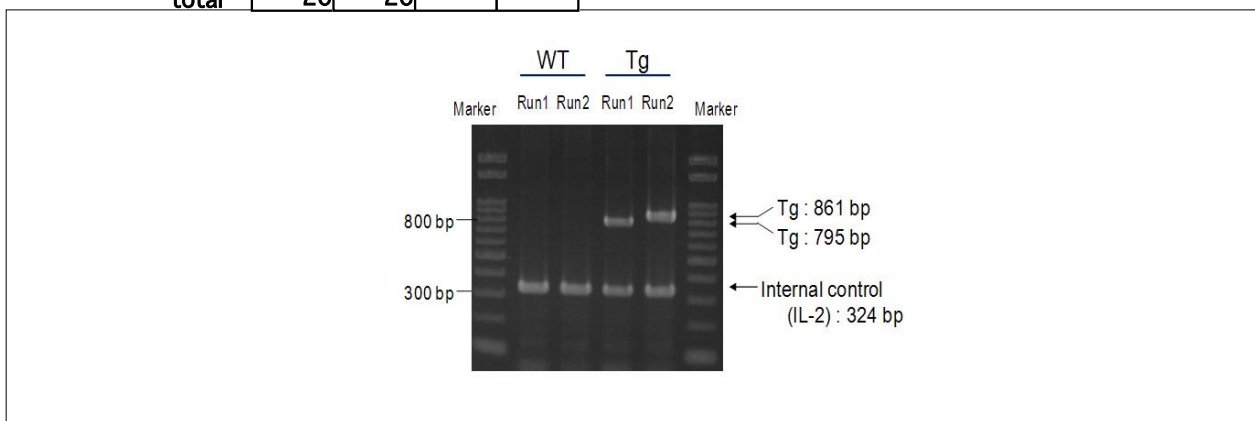
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		11.3	11.3		
PCR buffer	10 X	2.0	2.0		
dNTP	2.5 mM	1.6	1.6		
primer 1	10 pmol/ μ l	1.0	1.0		
primer 2	10 pmol/ μ l	1.0	0		
primer 3	10 pmol/ μ l	0	1.0		
primer 4	10 pmol/ μ l	1.0	1.0		
primer 5	10 pmol/ μ l	1.0	1.0		
DNA		1.0	1.0		
Taq	5U/ μ l	0.1	0.1		
total		20	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
Gene Ladder 100 (Wako, Cat. 316-06951)

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

PCR products

primer_set	product_size	product
primer 1	795 bp	Tg
primer 1	861 bp	Tg
primer 4	324 bp	Internal control (IL-2)

Comment