PCR protocol

RBRC 00986 **Strain name** B6C3F1-Tg(CAG-EGFP)CX-FM500sb

Primer

	primer_name	primer_seq	length	
1	EGFP-F	GCCACCATGGTGAGC	15	
2	EGFP-R	TTACTTGTACAGCTCGTCC	19	
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	Internal control (IL-2)
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	Internal control (IL-2)

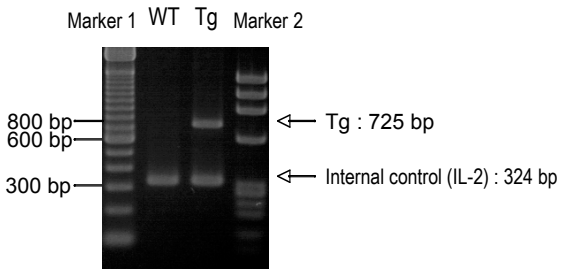
Reaction Components

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 GC I	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	0.5			
primer 4	10 pmol/μl	0.5			
DNA		1.0			
Taq		0.2			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	



Marker

marker 1:100 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	725 bp	Tg
primer 3	primer 4	324 bp	internal control (IL-2)

Comment