PCR protocol

BRC_No 00980 **Strain name** B6C3F1-Tg(CAG-EGFP)CX-FM038Osb

Primer

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

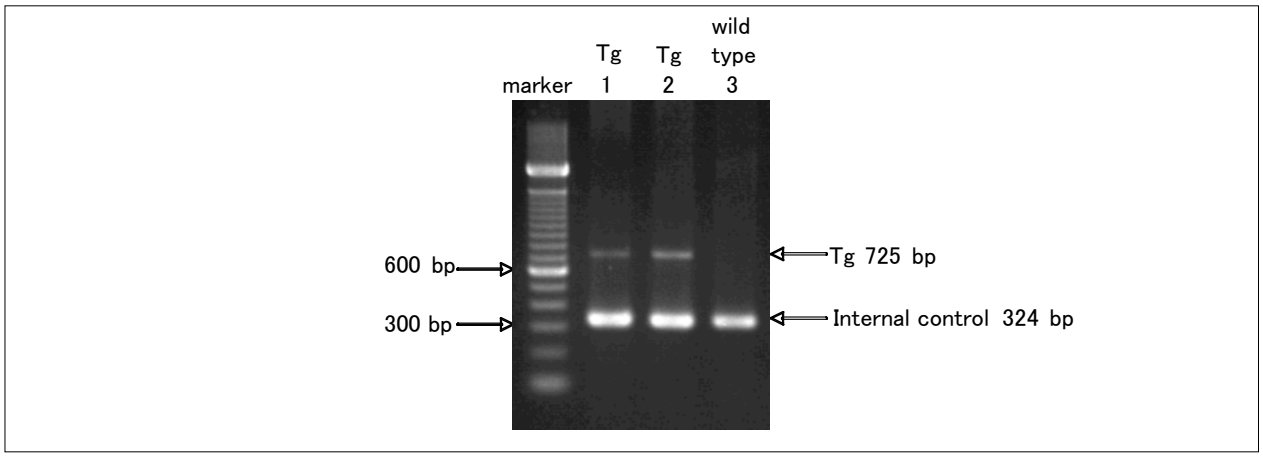
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

	Conc	Run 1	Run 2	Run 3
H2O		2.8		
PCR buffer	10 X	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	1.0		
primer 4	10 pmol/μl	1.0		
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 35 cycles
5	72	300	



Marker

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

Gel

2% agarose in 1 X TAE (100 V, 35 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