

BRC_No 01102 Strain name B6.Cg-Tg(Camk2a-Fyn)1Kndl/Rbrc

Primer			
	primer_name	primer_seq	length
1	Forward	TGGAAGTGAATGGGAGCAG	22
2	Reverse	AGTGCAGCTTTTTCCTTTGTGG	22
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25
Internal control (IL-2)			

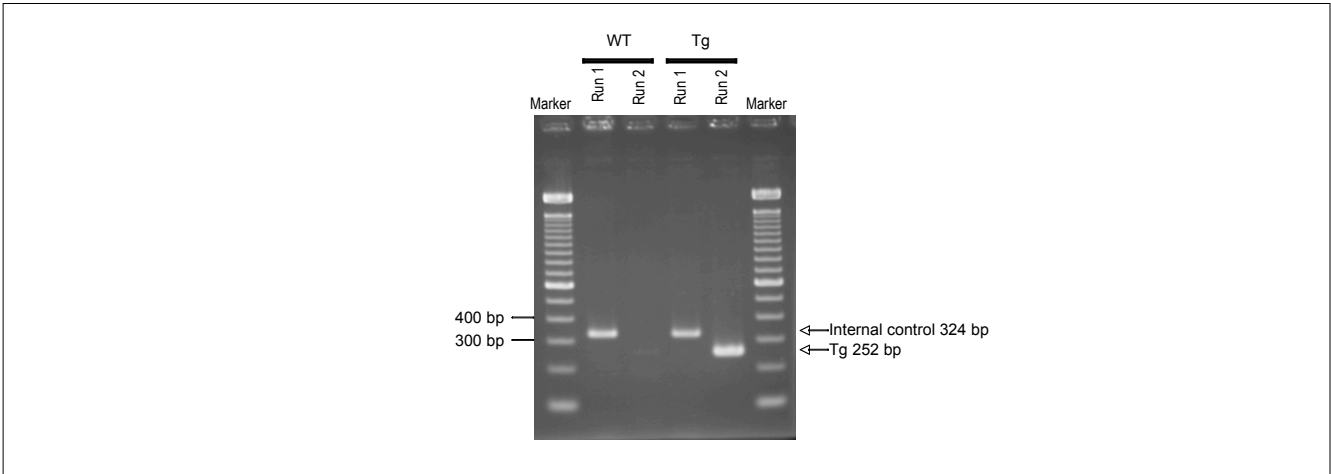
Reaction Components

Enzyme	Roche Taq (Cat. No. BM1418432)
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Reaction Conditions

	Conc	Run 1	Run 2	Run 3
H2O		17.3	17.3	
PCR buffer	10 X	2.5	2.5	
dNTP	2.5 mM	2.0	2.0	
primer 1	10 pmol/μl	0	1.0	
primer 2	10 pmol/μl	0	1.0	
primer 3	10 pmol/μl	1.0	0	
primer 4	10 pmol/μl	1.0	0	
DNA		1.0	1.0	
Taq		0.2	0.2	
total		25	25	

step	temp (°C)	time (sec)	note
1	94	300	
2	94	30*	
3	55	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	252 bp	Tg
primer 3	primer 4	324 bp	internal control (IL-2)

Comment