

PCR protocol

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RBRC 09692

Strain name C.C3-Tg(CAG-Il1r1)26Tomi

Primer	primer_name	primer_seq	length	
1	5CAG	CCTACAGCTCCTGGGCAACGTGC	23	RIKEN BRC
2	ST2 rev	GCAATGTGTGAGGGACACTCCTTAC	25	RIKEN BRC
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

Reaction Components

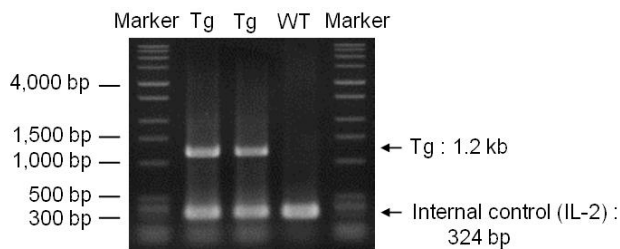
Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	120*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.9			
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			
primer 4	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.1			
total		20			

Standard PCR



Marker

DNA Ladder, 1 kb Plus (Affymetrix, Cat. 76714 500 UL)

Gel

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

Comment

PCR products

primer_set	product_size	product
primer 1	1.2 kb	Tg
primer 3	324 bp	Internal control (IL-2)