PCR protocol

Sheet ID PS_05693
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RBRC 03167 **Strain name** B6J.B6D2-Tg(CAG-Nmnat3)1Ara

Primer	primer_name	primer_seq	length
1	TA1_pCAGGS5' fwd	GACCGGCGGCTCTAGAGCCTCTGCTAA	27
2	TA2_pCAGGS3' rev	GCTCAAGGGGCTTCATGATGTCCCCATA	28
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25

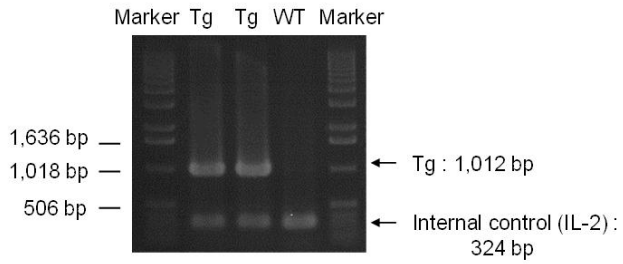
Reaction Components

Enzyme TOYOBO KOD FX (Code.No : KFX-101)

	Conc	Run 1	Run 2	Run 3	Run 4
Taq		0.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
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	1 U/μl	0.2			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	120	
2	98	10	*
3	60	30	*
4	68	90	* *Repeat for 30 cycles



Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	1,012 bp	Tg
primer 3	primer 4	324 bp	Internal control (IL-2)

Comment