

PCR protocol

Sheet ID PS_07426
Release date : 10.6.2017
Print date : 10/6/2017

RBRC 04845

Strain name B6.Cg-Tg(CAG-St6gal1)2

Primer	primer_name	primer_seq	length	
1	SCAG	CCTACAGCTCCTGGGCAACGTGC	23	RIKEN BRC
2	ratST876R	GATATAAAATGGCTGGCTGGGGTTC	25	Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

Reaction Components

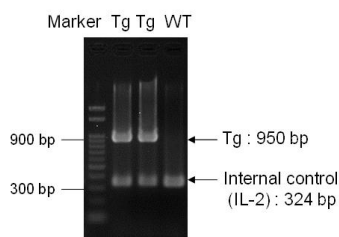
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		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			

Standard PCR



Marker

Gene Ladder 100 (Wako, Cat. 316-06951)

Gel

2% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set	product_size	product
primer 1	950 bp	Tg
primer 3	324 bp	Internal control (IL-2)

Comment

Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.



Sheet ID PS_04065
Release date : 12.02.2011
Print date : 10/6/2017

Strain name B6.Cg-Tg(CAG-St6gal1)²

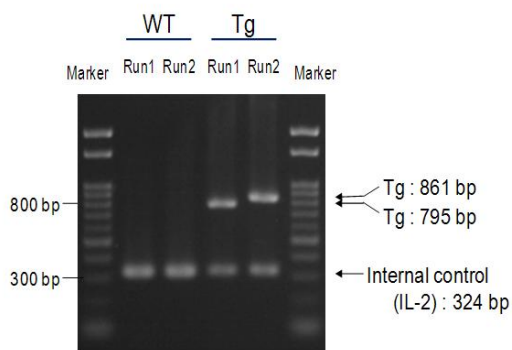
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

step	temp (°C)	time (sec)	note
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[illegible]

Standard PCR



Marker

Gene Ladder 100 (Wako, Cat. 316-06951)

Gel

2% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set

product_size

product

primer 1	primer 2	795 bp	Tg
primer 1	primer 3	861 bp	Tg
primer 4	primer 5	324 bp	Internal control (IL-2)

Comment

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