

RBRC 02817 Strain name B6.Cg-Tg(Fucci)474Bsi Tg(Fucci)610Bsi

Primer	primer_name	primer_seq	length	
1	mAG-342F	CTTCTTCTACGACATCAGGTT	21	Depositor's primer
2	Gem110R	GCATCTAGATTACAGCGCCTTCTCCGTTTTTCTGC	36	Depositor's primer
3	mKO2-120F	ATGACACTACGCGTCACAAT	20	Depositor's primer
4	Cdt100R	GCATCTAGATTATTTCTTTATCTTCTGGCCCCGAGA	36	Depositor's primer
5	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
6	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

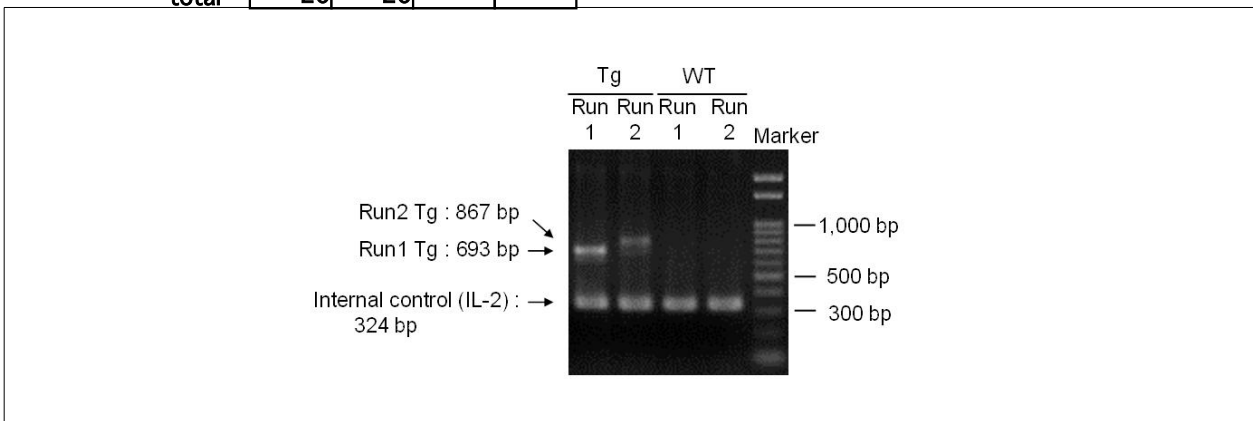
Reaction Components

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

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	55	30*	
4	68	60*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		0.8	0.8		
PCR buffer	2 X	10.0	10.0		
dNTP	2.0 mM	4.0	4.0		
primer 1	10 pmol/ μ l	1.0	0		
primer 2	10 pmol/ μ l	1.0	0		
primer 3	10 pmol/ μ l	0	1.0		
primer 4	10 pmol/ μ l	0	1.0		
primer 5	10 pmol/ μ l	1.0	1.0		
primer 6	10 pmol/ μ l	1.0	1.0		
DNA		1.0	1.0		
Taq	1 U/ μ l	0.2	0.2		
total		20	20		



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	693 bp	Tg
primer 3	867 bp	Tg
primer 5	324 bp	Internal control (IL-2)

Comment