

BRBC 02892

Strain name B6.Cg-Tg(Fucci)504Bsi Tg(Fucci)596Bsi

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	Internal control (IL-2)	JAX Genotyping Protocol
6	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	Internal control (IL-2)	JAX Genotyping Protocol

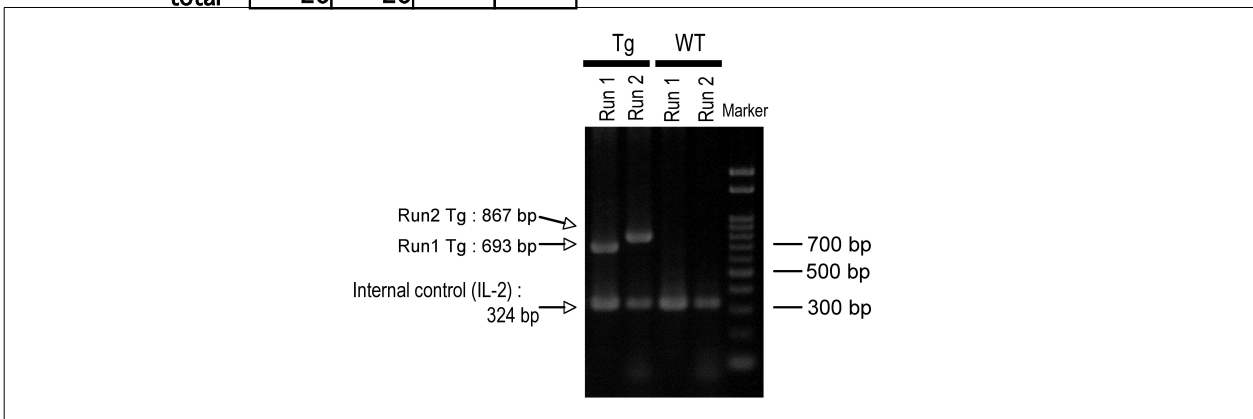
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.8	1.8		
PCR buffer	2 X GC I	10.0	10.0		
dNTP	2.5 mM	2.0	2.0		
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	2.0		
primer 4	10 pmol/ μ l	0	2.0		
primer 5	10 pmol/ μ l	1.0	0.5		
primer 6	10 pmol/ μ l	1.0	0.5		
DNA		1.0	1.0		
Taq		0.2	0.2		
total		20	20		

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	60*	*Repeat for 35 cycles
5	72	300	



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(504)
primer 3	867 bp	Tg(596)
primer 5	324 bp	Internal control (IL-2)

Comment