PCR protocol

RBRC 03227 Strain name B6D2F1-Ints8<Gt(LVtrap1)LG01Osb>

Primer	primer_name	primer_seq	length	
1		CTCAGCTCTCCAAGGGCTTGTATTG	25	Depositor's primer
2		GATCTCTAGTTACCAGAGTCA	21	Depositor's primer
3		TACTTTCTTTTATCAAAAAACTCCG	25	Depositor's primer

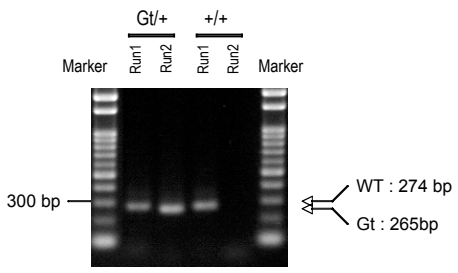
Reaction Components

Enzyme: TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		17.3	17.3		
PCR buffer	10 X	2.5	2.5		
dNTP	2.5 mM	2.0	2.0		
primer 1	10 pmol/μl	1.0	1.0		
primer 2	10 pmol/μl	0	1.0		
primer 3	10 pmol/μl	1.0	0		
DNA		1.0	1.0		
Taq	5U/μl	0.2	0.2		
	total	25	25		

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 30 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	primer 3	274 bp	WT
primer 1	primer 2	265 bp	Gt

Comment