

RBRC 05478

Strain name B6;129S4-ECAT11<tm1Yam>

Primer	primer_name	primer_seq	length	
1	mECAT1 1EGFPrecscr	TCCAGGAGCACATCACATTAGTGACCC	27	Depositor's primer
2	mECAT1 1EGFPrecscr	ATTGCATCTCCTTCTTGCTGCCCTATC	27	Depositor's primer
3	EGFP-N	CGTCGCCGTCCAGCTCGACCAG	22	Depositor's primer

Reaction Components

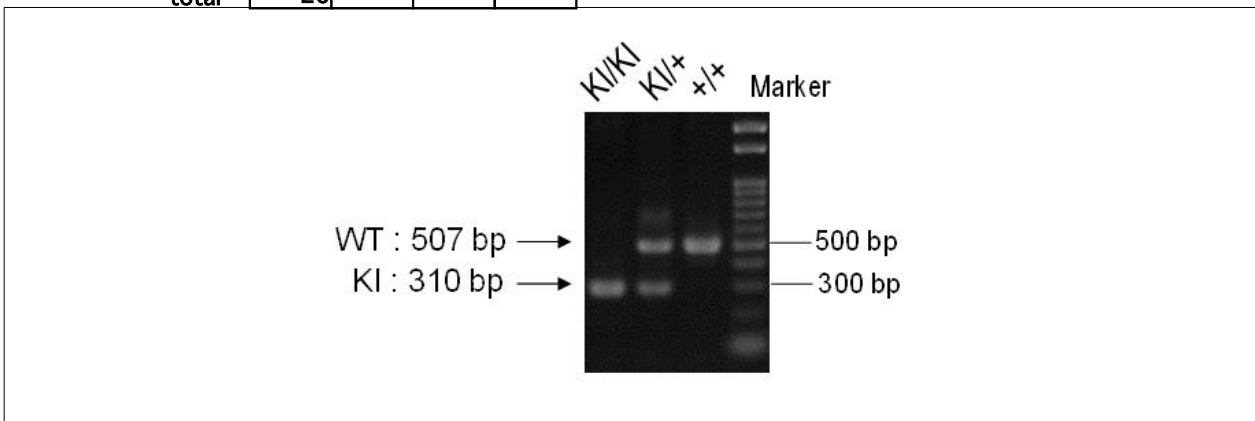
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	5 U/ μ l	0.1			
total		20			

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

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	507 bp	WT
primer 1	primer 3	310 bp	KI

Comment