

PCR protocol

RBRC 03978

Strain name B6;129-Chr17-Pirc<tm1(EGFPNeo)Ms>

Primer	primer_name	primer_seq	length		
1	sc5	CTTCTCACAGTGGTGCCTATGG	22		Depositor's primer
2	sc3	TTCAAAACCTGGCTCATCTTCA	22		Depositor's primer
3	Chr5_3	TGCACGAGACTAGTGAGACGTG	22		Depositor's primer

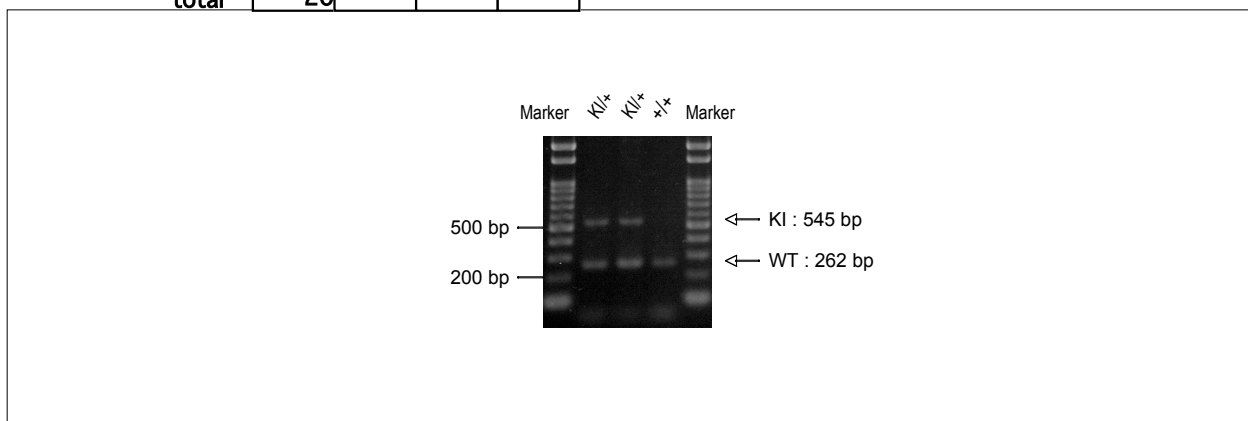
Reaction Components

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

Reaction Conditions

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	

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.9			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
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	5U/ μ l	0.1			
total		20			



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

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

PCR products

primer_set	primer_1	primer_2	product_size	product
primer 1	primer 2		262 bp	WT
primer 2	primer 3		545 bp	KI

Comment