

PCR protocol

RBRC 01345

 Strain name Emx1-Cre KI Δneo

Primer	primer_name	primer_seq	length	
1		GTGAGTGCATGTGCCAGGCTT	21	Depositor's primer
2		TCCTTGCCACCAAGGACTCT	21	Depositor's primer
3	CW-Cre2	TCCGGTTATTCAACTTGCACCATGC	25	Depositor's primer

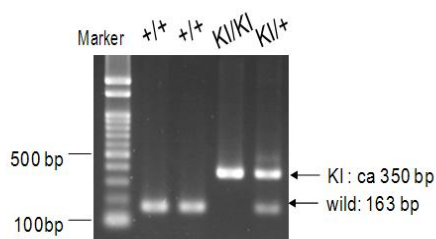
Reaction Components

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

Reaction Conditions

	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			
	10 pmol/ μ l	0			
DNA		1.0			
Taq		0.1			
total		20			

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


Marker
 1 kb DNA ladder (Invitrogen, Cat. 15615-024)

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

PCR products			
	primer_set	product_size	product
primer 1	primer 2	162 bp	WT
primer 1	primer 3	ca 350 bp	KI

Comment