

PCR protocol

RBRC 00808

Strain name Emx1-Cre

Primer	primer_name	primer_seq	length	
1	Neo	GCAATCCATCTTGTTC AATGGCC	23	Depositor's primer
2		GTGAGTGCATGTGCCAGGCTT	21	Depositor's primer
3		TCCTTGCCACCAAGGACTCT	21	Depositor's primer

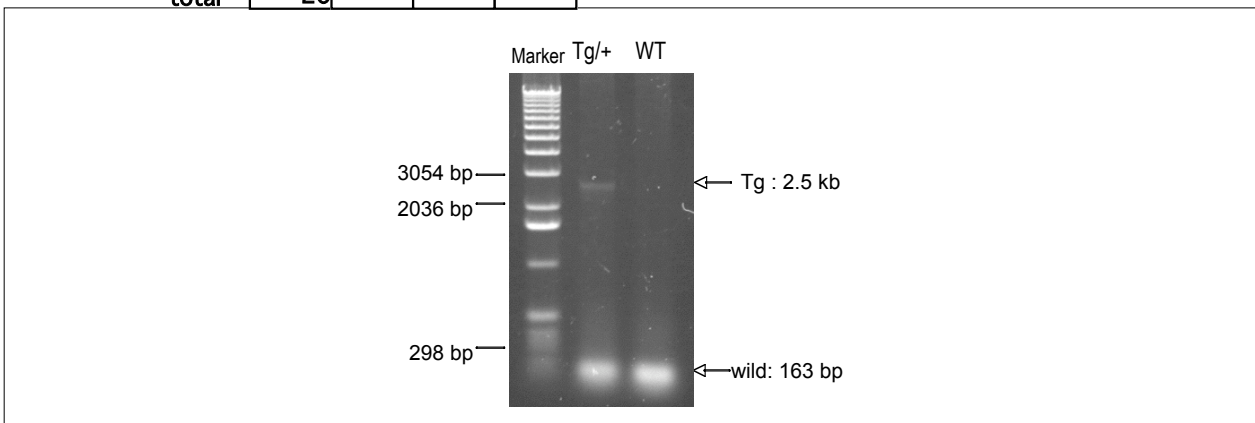
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
PCR buffer	2 X	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		0.2			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	180*	*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	2.5 kb	Tg
primer 2	163 bp	WT

Comment