

PCR protocol

Sheet ID PS_03641
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RBRC 03835

Strain name B6.129X1-Pts<tm1lch>

Primer	primer_name	primer_seq	length		
1	03835_Fw	GGGCTGGAGAACATCTGATAAGG	23		RIKEN BRC
2	03835_Rv	CTGTCATTGTACCTCTGGATGTGG	24		RIKEN BRC
3	PGKF	GCGCCTACCGGTGGATGTGGAATGTGTGCG	30		

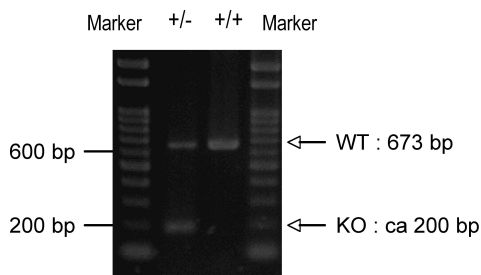
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.9			
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	2.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	5U/ 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	



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	673 bp	WT
primer 2	ca 200 bp	KO

Comment