

PCR protocol

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RBRC 03117

Strain name B6.129S1-Tcfcp2l1 <Gt(pLSABetageo)1 Sjt>

Primer	primer_name	primer_seq	length	
1	U2	CAAAGGGACCTAAACCACCAGAAGGAGAA	29	Depositor's primer
2	NGSPold	CTCAGCCTTGAGCCTCTGGAGCTGCTC	27	Depositor's primer
3	BAC5Rold	CCATAGTGGAGGCCACACGCCCAAGAT	27	Depositor's primer

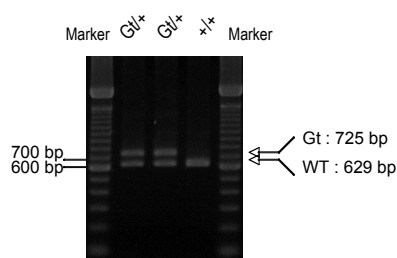
Reaction Components

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 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		0.2			
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

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

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

PCR products

	primer_set	product_size	product
primer 1	primer 3	629 bp	WT
primer 1	primer 2	725 bp	Gt

Comment