

PCR protocol

Sheet ID PS_04835
Release date : 06/27/2013
Print date : 6/27/2013

RBRC 05543

Strain name B6;B6129-Rest<tm1.1Yasu>

Primer	primer_name	primer_seq	length	
1	RESTloxP-F	CCCTTATGGGTGCAAGTGTT	20	Depositor's primer
2	RESTloxP-R	CCGGCTCTACTTCAGACCAG	20	Depositor's primer

Reaction Components

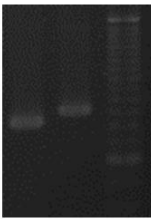
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		13.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	5 U/ 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	

+/+ flox/flox Marker



flox : 209 bp
WT : 188 bp

— 200 bp
— 150 bp

Marker

25 bp DNA ladder (Invitrogen, Cat. 10597-011)

Gel

4% Nusieve in 0.5 X TBE (100 V, 60 min)

PCR products

primer_set	product_size	product
primer 1	188 bp	WT
primer 1	209 bp	flox

Comment