

PCR protocol

Sheet ID PS_06022
Release date : 10.02.2014
Print date : 10/2/2014

RBRC GSC0092 Strain name M100514

Primer	primer_name	primer_seq	length	
1	wild	CTCCGGTACAGAATATAATACATACTT	27	RIKEN BRC
2	mut	CTCCGGTACAGAATATAATACATACTC	27	RIKEN BRC
3	common	CTCTTTAGAGTTCTGAACTCTGACAG	26	RIKEN BRC

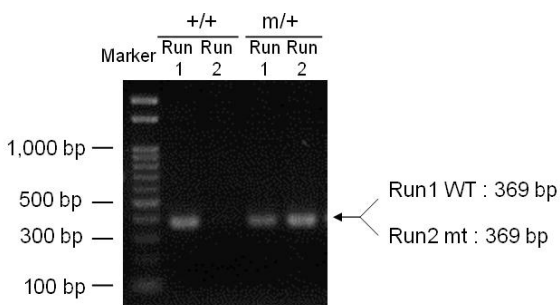
Reaction Components

Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.0	2.0		
Master Mix	2 X	5.0	5.0		
primer 1	10 pmol/ μ l	1.0	0		
primer 2	10 pmol/ μ l	0	1.0		
primer 3	10 pmol/ μ l	1.0	1.0		
DNA		1.0	1.0		
total		10	10		

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	60	90*	
4	72	60*	*Repeat for 30 cycles
5	72	600	



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	primer 3	369 bp
primer 2	primer 3	369 bp

Comment