PCR protocol

Sheet ID PS_04352
Release date : 7/24/2014
Print date : 7/24/2014

RBRC 01346 **Strain name** C57BL/6-scid mice

Primer	primer_name	primer_seq	length		
1	scid_Wild	GGCCCCTGCTAACTTTCTCTTAGTA	25		RIKEN BRC
2	scid_Mut	GGCCCCTGCTAACTTTCTCTTAGTT	25		RIKEN BRC
3	common	GATATGTGCCATGTCAGTGTCTGAC	25		RIKEN BRC

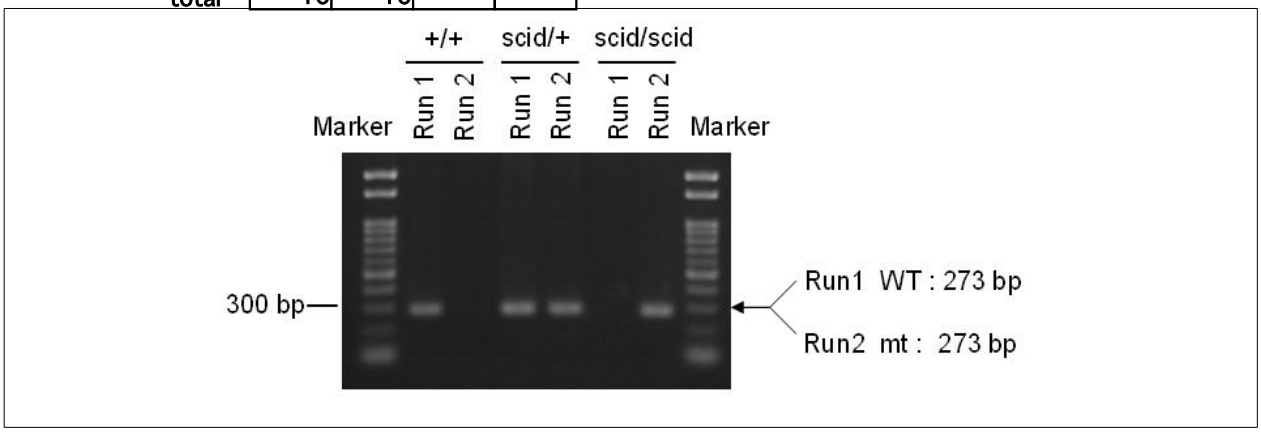
Reaction Components

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

	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/μl	1.0	0		
primer 2	10 pmol/μl	0	1.0		
primer 3	10 pmol/μl	1.0	1.0		
DNA	10 pmol/μl	1.0	1.0		
	total	10	10		

Reaction Conditions

step	temp (℃)	time (sec)		note
1	95	900		
2	94	30	*	
3	60	90	*	
4	72	90	*	*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	273 bp	WT
primer 2	primer 3	273 bp	mutant

Comment