PCR protocol

Sheet ID PS_00924
Release date : 2/26/2018
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RBRC 01852 **Strain name** B6.CS-Ngu1053

Primer	primer_name	primer_seq	length		
1	left	TTTGTTGTTTGAGGGGTTGG	20		Depositor's primer
2	right	TTGAGTTAAAGAACAGGAGGACTACA	26		Depositor's primer
3	D5Mit259	ATGATCAAAACATTACTCCCTTCC	24		Depositor's primer
4	D5Mit259	ACAAAGTCAGGAGAAATGTGCA	22		Depositor's primer

Reaction Components

Enzyme

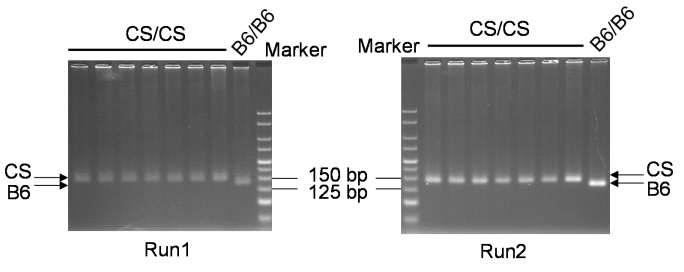
QIAGEN Multiplex PCR Kit (Cat. No. 206143)

	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	1.0	0		
primer 3	10 pmol/μl	0	1.0		
primer 4	10 pmol/μl	0	1.0		
DNA		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	60	* *Repeat for 30 cycles
5	60	1800	

Separated PCR



Marker

25bp DNA Step Ladder (Wako, Cat. 292-69001)

Gel

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

PCR products	primer_set	product_size	product
primer 1	primer 2	CS > B6	
primer 3	primer 4	CS > B6	

Comment