PCR protocol

Sheet ID PS_04463
Release date : 5/29/2014
Print date : 5/29/2014

RBRC 05265 **Strain name** B6.MSM-(D5Mit24-D5Mit242)/Hkv

Primer	primer_name	primer_seq	length		
1	D5Mit24-1	CACTTGCCACACAGCAGG	18		Depositor's primer
2	D5Mit24-2	CGTGCATGCACTAGTGTGTG	20		Depositor's primer
3	D5Mit242-1	AAATTTCAGGATTGAGTTCTCACC	24		Depositor's primer
4	D5Mit242-2	TATGTCAAATGCATGCACCC	20		Depositor's primer

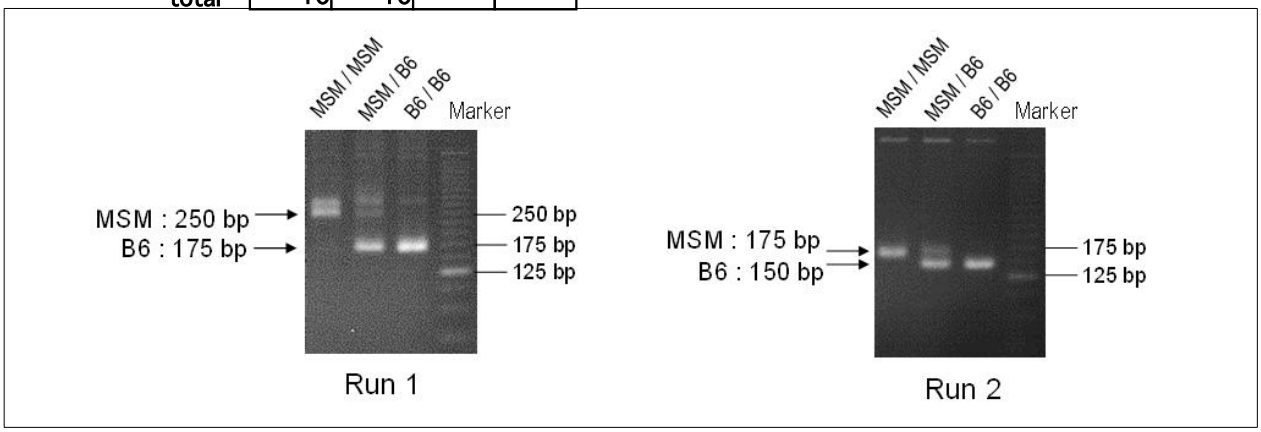
Reaction Components

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	10 pmol/μl	1.0	1.0		
	total	10	10		

Reaction Conditions

step	temp (℃)	time (sec)		note
1	95	900		
2	94	30	*	
3	63	90	*	
4	72	60	*	*Repeat for 30 cycles
5	60	1800		



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	primer 2	250, 175 bp	MSM/MSM,B6
primer 3	primer 4	175, 150 bp	MSM/MSM,B6

Comment