PCR protocol

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RBRC 05184 Strain name A.SM-(D11Mit10-D11Mit48)

Primer	primer_name	primer_seq	length		
1	D11Mit10-1	GAACCGCAAGTCATGAATCA	20		Depositor's primer
2	D11Mit10-2	TGGTTTATTCCTGAAGCTGC	20		Depositor's primer
3	D11Mit48_1	TGAGCACACTTGCTGTGACA	20		Depositor's primer
4	D11Mit48_2	CCAGGTCAGCGAGATGAAAT	20		Depositor's primer

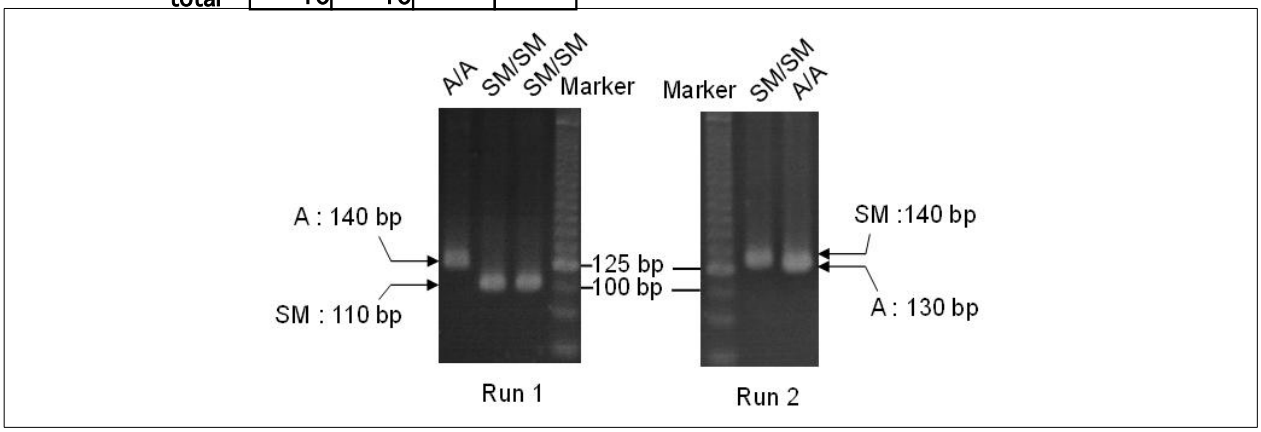
Reaction Components

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		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	



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	110 bp	SM
primer 1	primer 2	140 bp	A
primer 3	primer 4	140 bp	SM
primer 3	primer 4	130 bp	A

Comment