PCR protocol

Sheet ID PS_04761
Release date : 5/9/2022
Print date : 5/9/2022

RBRC 05180 **Strain name** A.SM-(D11Mit140-D11Mit48)

Primer	primer_name	primer_seq	length		Reference
1	D11Mit140_1	GCATTTACTTGATTGATTGTTTGC	24		Depositor's primer
2	D11Mit140_2	ACCCAATGCCTGCCTCTAC	19		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)

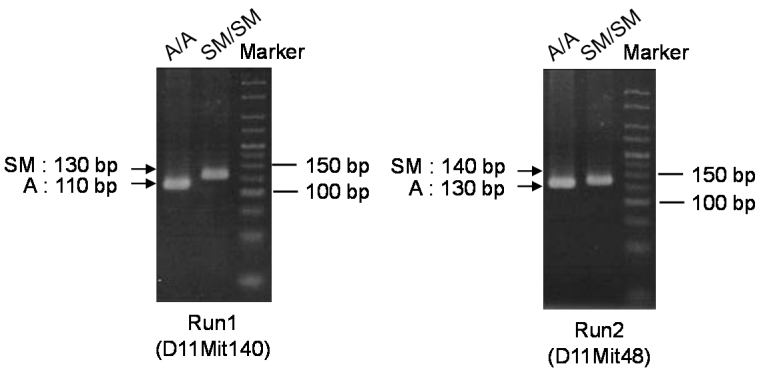
Reagent	Conc	Reaction 1	2	3	4	
H2O		2.0	2.0			(μL)
Master Mix	2 X	5.0	5.0			
primer 1	10 pmol/μl	1.0	0			
primer 2	10 pmol/μl	1.0	0			
primer 3	10 pmol/μl	0	1.0			
primer 4	10 pmol/μl	0	1.0			
DNA	10 pmol/μl	1.0	1.0			
	total	10	10			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	95	900	
2	94	30	*
3	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)



primer_set		product_size	product (allele type)
primer 1	primer 2	130, 110 bp	SM/SM, A/A
primer 3	primer 4	140, 130 bp	SM/SM, A/A

Comment Standard PCR