PCR protocol

Sheet ID PS_08239
Release date : 9/28/2021
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RBRC 00639 **Strain name** JF1/Msf

Primer	primer_name	primer_seq	length		Reference
1	Pr3	AGACGAGAAGTGGCCAAGACAGTC	24		Exp. Anim., 47(4):265-9 (1998).
2	MT	CTGGTCATACAGGGTGAGCTTCATA	25		RIKEN BRC
3	WT	CTGGTCATACAGGGTGAGCTTCATG	25		RIKEN BRC

Reaction Components

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

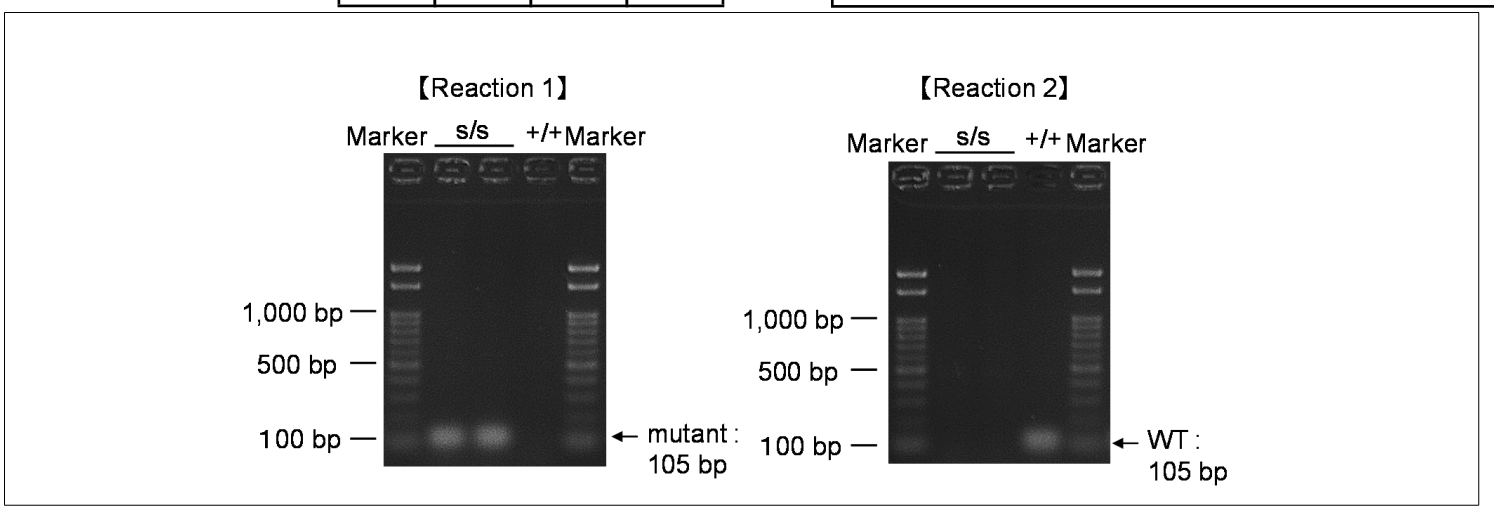
Reagent	Conc	Reaction 1	2	3	4	
H2O		2.0				(μL)
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	0				
Master Mix	2 X	5.0				
DNA		1.0				
	total	10				

Reaction Conditions

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

Marker Gene Ladder 100 (Wako, Cat. 316-06951)

Gel 2% agarose in 1 X TAE (100 V, 30 min)



primer_set		product_size	product (allele type)	
primer 1	primer 2	105 bp	mutant	Reaction 1 s/s: 105 bp +/+: none Reaction 2 s/s: none +/+: 105 bp
primer 1	primer 3	105 bp	WT	

Comment