PCR protocol

Sheet ID PS_07229
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RBRC 06464 **Strain name** NC.MRL-Fas<lpr>

Primer	primer_name	primer_seq	length		Reference
1		GTAAATAATTGTGCTTCGTCAG	22		J. Immunol., 162: 7519-7524(1999).
2		TAGAAAGGTGCACGGGTGTG	20		J. Immunol., 162: 7519-7524(1999).
3		CAAATCTAGGCATTAACAGTG	21		J. Immunol., 162: 7519-7524(1999).

Reaction Components

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

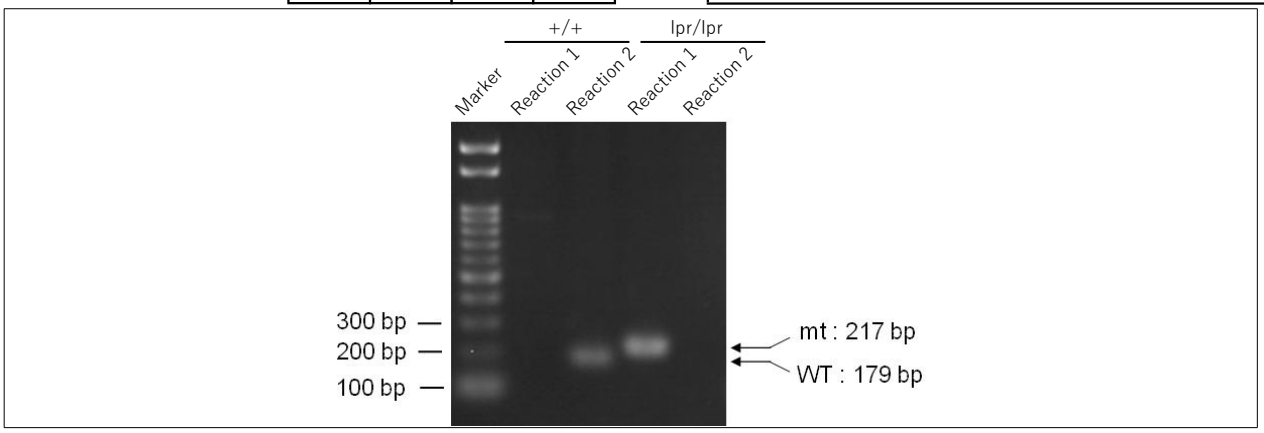
Reagent	Conc	Reaction 1	2	3	4	
H2O		2.0	2.0			(μL)
Master Mix	2 X	5.0	5.0			
primer 1	10 pmol/μl	1.0	1.0			
primer 2	10 pmol/μl	1.0	0			
primer 3	10 pmol/μl	0	1.0			
DNA		1.0	1.0			
total		10	10			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	95	900	
2	94	30	*
3	65	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	217 bp	mutant
primer 1	primer 3	179 bp	WT

Reaction 1
+/+ : not detected
lpr/lpr : 217 bp
Reaction 2
+/+ : 179 bp
lpr/lpr : not detected

Comment