

PCR protocol

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RBRC 04889

Strain name MRL.CB-Fas<lpr-cg>

Primer	primer_name	primer_seq	length	
1	common	GATGTCATGCATCATGTCTGGC	22	RIKEN BRC
2	wild	CTCATCTATCTTGCCCTCCTTCA	23	RIKEN BRC
3	mutant	CTCATCTATCTTGCCCTCCTTCT	23	RIKEN BRC

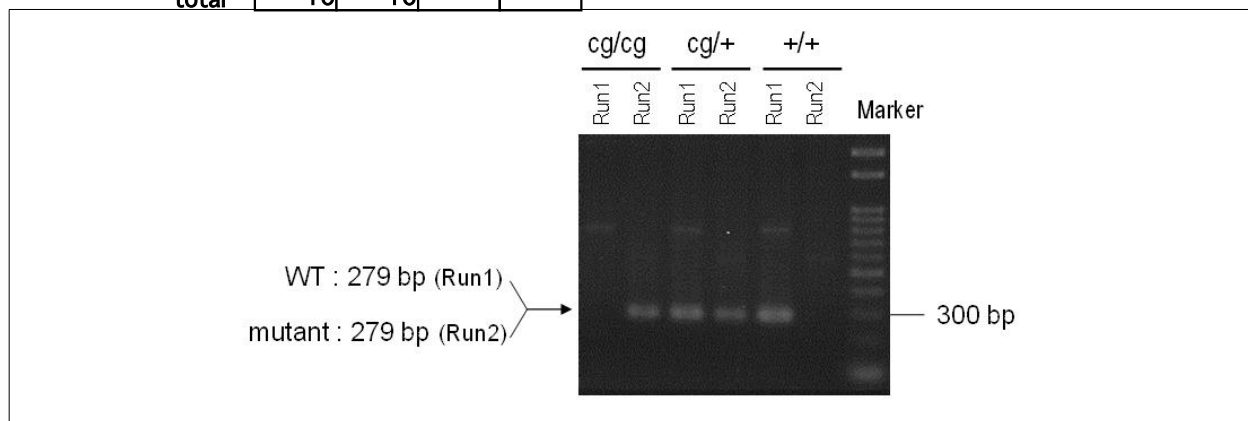
Reaction Components

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

Reaction Conditions

	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/ μ l	1.0	1.0		
primer 2	10 pmol/ μ l	1.0	0		
primer 3	10 pmol/ μ l	0	1.0		
DNA		1.0	1.0		
total		10	10		

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	57	90*	
4	72	90*	*Repeat for 30 cycles
5	72	600	



Marker

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

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	279 bp	WT
primer 1	primer 3	279 bp	mutant

Comment These primers were designed using the information of Fas<lpr-cg> mice(Nature, 356(6367):314-317 (1992).)