

PCR protocol

RBRC 02730

Strain name NZW.Cg-Cd180<tm1Kmiy>

Primer	primer_name	primer_seq	length
1	b	TGCCTCTGTGTCTCACAGCtATGTCTGG	28
2	c	GGCTCCAATCaCATCAGCATCAT	24
3	MD-2 KO c	GGCCAGCTCATTCTCCCACTC	22

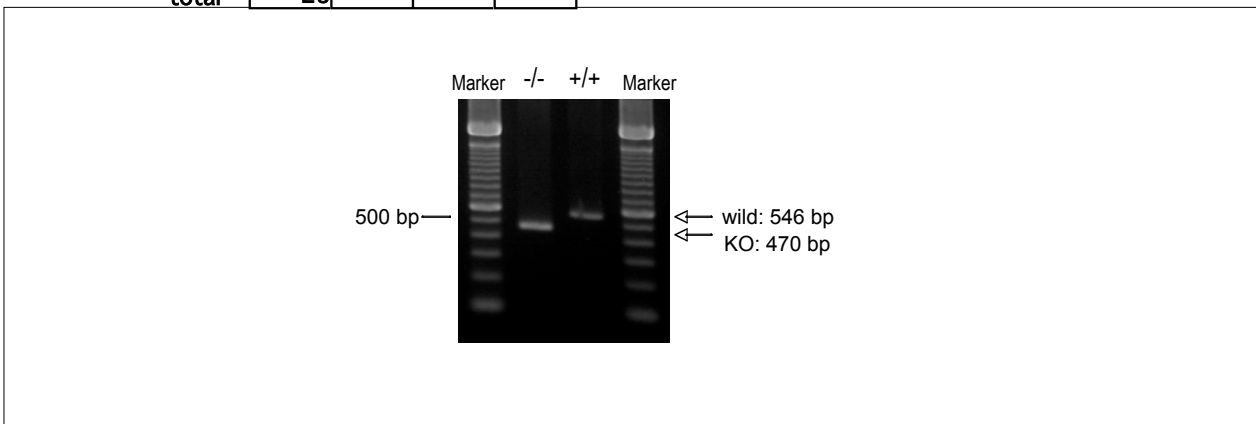
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		16.3			
PCR buffer	10 X	2.5			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.2			
total		25			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 35 cycles
5	72	300	



Marker
100 bp ladder (Invitrogen, Cat. 15628-050)

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

PCR products		product_size	product
primer_set			
primer 1	primer 2	546 bp	wild
primer 1	primer 3	470 bp	KO

Comment