RIKEN BRC

Jun. 21, 2006

BRC_No 01678 **Strain name** NF2KO3

Primer

	primer_name	primer_seq	length
1	P1	GCCTGCTCTTTACTGAAGGCTC	22
2	P2	CAGTGTGGAAGTGTTTGTGGTC	22
3	P3	GTGTTGGATCATGATGTTTCG	21

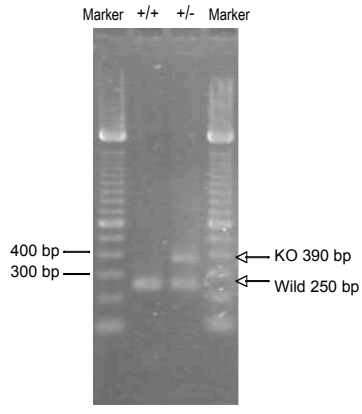
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

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

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30	*
3	55	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, 40 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	390 bp	KO
primer 2	primer 3	250 bp	wild

Comment