

BRC_No 01148

Strain name nanos1ノックアウトマウス

Primer			
	primer_name	primer_seq	length
1	lacZ-F	GGAGCCCGTCAGTATCGGCGGAATT	25
2	nos1-F	ATACATGGGGCTTGCCACGTTTCATC	25
3	nos1-R	AAGCCGCGTGCAGACGAGGCTC	22

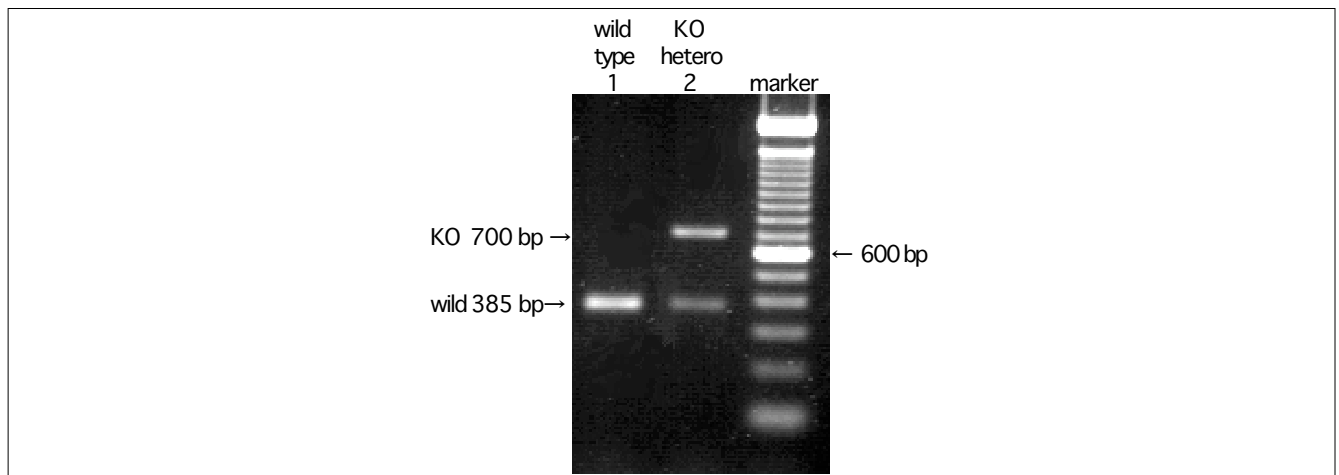
Reaction Components

Enzyme TaKaRa LA Taq with GC buffer

Reaction Conditions

	Conc	Run 1	Run 2	Run 3
H2O		3.8		
PCR buffer	2 X	10.0		
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		20		

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

primer_set	product_size	product
primer 1 primer 3	700 bp	KO
primer 2 primer 3	385 bp	wild

Comment