RIKEN BRC

Dec. 27, 2005

BRC_No 01229 **Strain name** B6;129-FoxH1^{tm1Hh}(B6;129-FoxH1$^{+/-}$,FAST$^{+/-}$)ノックアウトマウス

Primer

	primer_name	primer_seq	length
1	FAST5-1	ATCCTCGCCATGGCAACGCGA	21
2	FAST3-2	AGTACCACAGAATAGAGCACG	21
3	FAST3-3	GACTGGGTGGCTGATAAGGCT	21

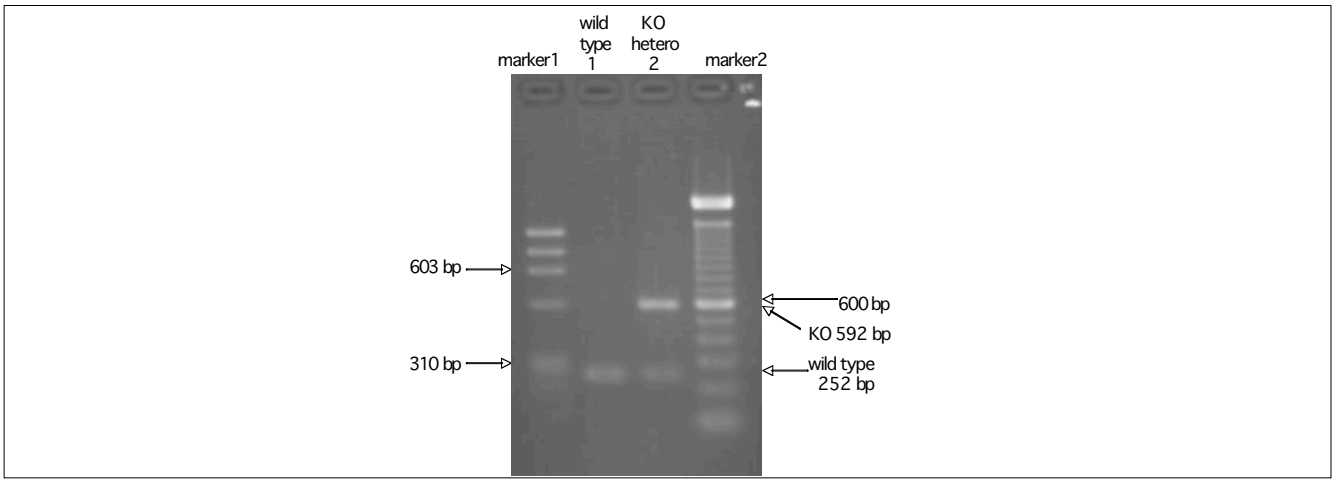
Reaction Components

Enzyme TaKaRa LA Taq with GC buffer

	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/μl	1.0		
primer 2	10 pmol/μl	1.0		
primer 3	10 pmol/μl	1.0		
DNA		1.0		
Taq		0.2		
	total	20		

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	300	
2	94	30	*
3	55	30	*
4	72	30	* *Repeat for 27 cycles
5	72	300	



Marker

marker 1: ϕX174 Hae III, marker2: 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	592 bp	KO
primer 1	primer 2	252 bp	wild

Comment