PCR protocol

RBRC 01925 **Strain name** ICR;129(Cg)-Zfhx1b<tm1.2Yhi>

Primer	primer_name	primer_seq	length		
1	intron6 fwd	GAACTAGTTGAATTGGTAGAATCAATGGGG	30		Depositor's primer
2	intron6 rev (ver.2)	GTAAAGGCTCTCTACGCCTTTTTCAGTTAG	30		Depositor's primer
3	intron7 rev	AAGCATGTCGGTAAGCTGACCAACTACTAG	30		Depositor's primer

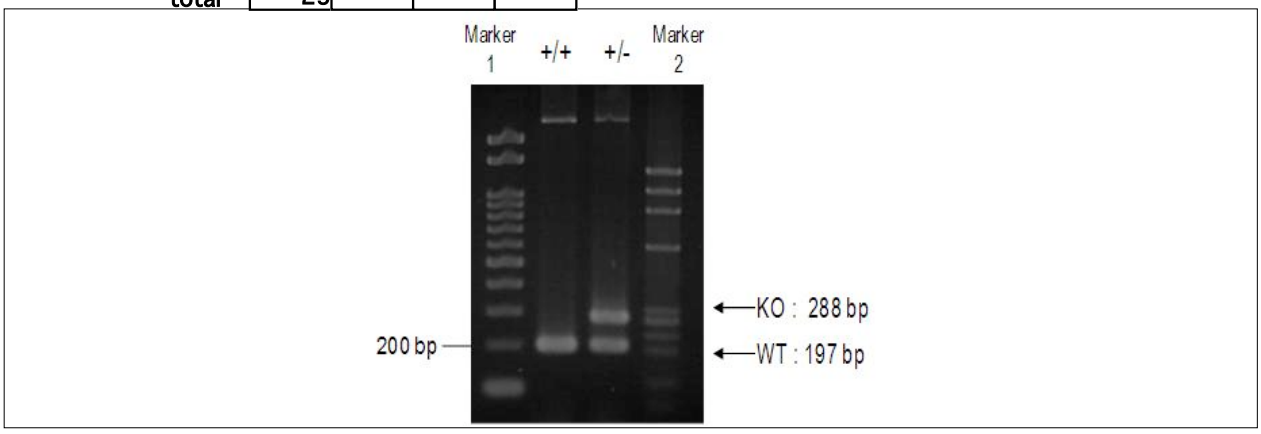
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	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/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	63	30	*
4	72	60	* *Repeat for 30 cycles
5	72	300	



Marker

marker 1:Gene Ladder 100 (Wako, Cat. 316-06951), marker2:

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	197 bp	WT
primer 1	primer 3	288 bp	KO

Comment