

PCR protocol

RBRC 03164

Strain name B6J.129P2(Cg)-Hmox1<tm1.1Mym>

Primer	primer_name	primer_seq	length	
1		GTCTGTAATCCTAGCACTCGAA	22	Depositor's primer
2		CTCACTATGCAACTCTGTTGGAGG	24	Depositor's primer
3		AATGACTGACATCTGTTTGCATGG	24	Depositor's primer
4		GGAAGGACAGCTTCTTGTAGTCG	23	Depositor's primer

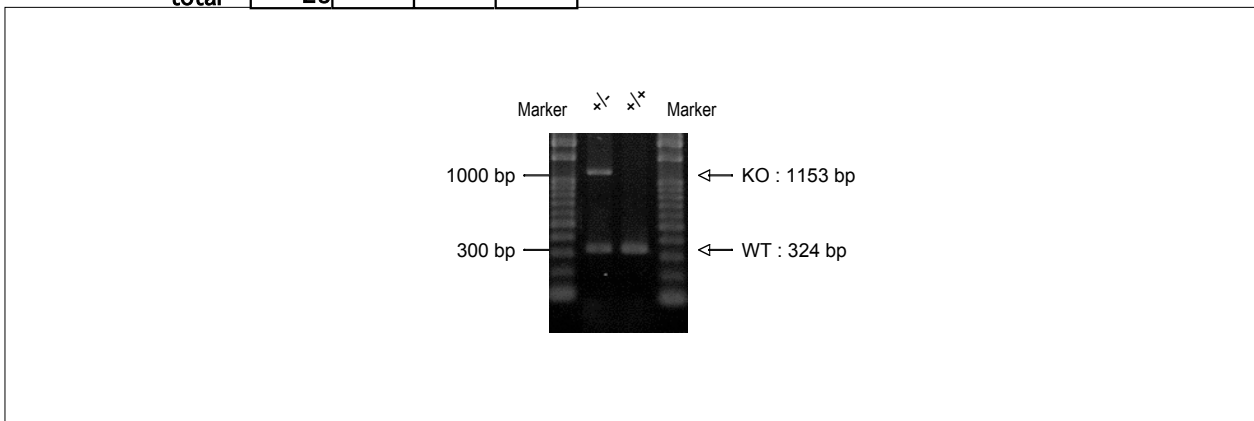
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		15.3			
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			
primer 4	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.2			
total		25			


Marker

Gene Ladder 100 (Wako, Cat. 316-06951)

Gel

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

PCR products

primer_set	product_size	product
primer 1	324 bp	WT
primer 3	1153 bp	KO

Comment