

RBRC 01417 Strain name C.HR1-Hr<hr>/Rbrc

Primer	primer_name	primer_seq	length	
1	00187_F	GTGCCTGCTGCCACATATGTGG	22	RIKEN BRC
2	00187_R	GCATCCGAGGGCATGCGTGAC	22	RIKEN BRC
3	00187_FM	CCACACTCGGCGGCCAGTC	20	RIKEN BRC

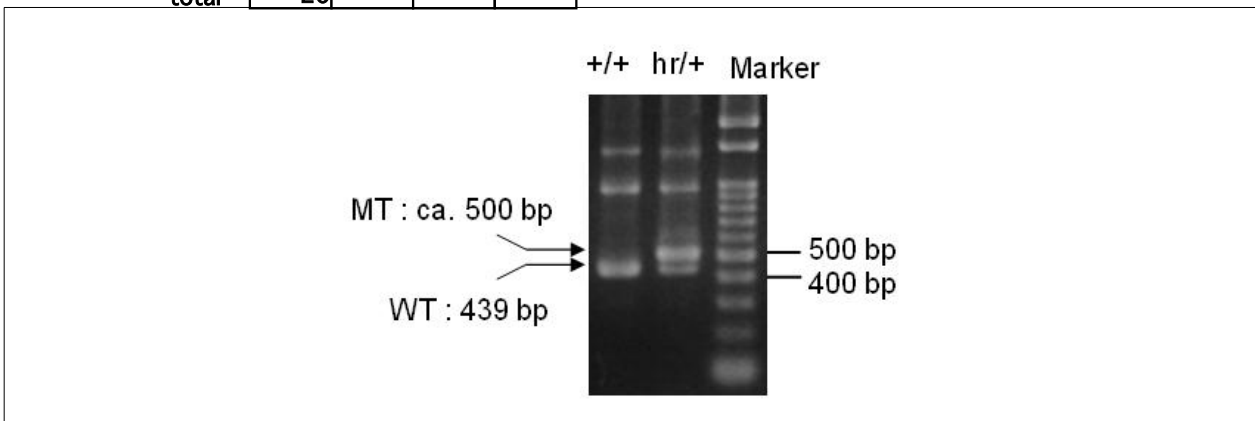
Reaction Components

Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2 mM	4.0			
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	1 U/ μ l	0.2			
total		20			

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	65	30*	
4	68	60*	*Repeat for 30 cycles



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

Gel
2% agarose in 1 X TAE (100 V, 35 min)

PCR products			
primer_set	primer_1	primer_2	product
primer 1	primer 2	439 bp	WT
primer 2	primer 3	ca. 500 bp	mutant

Comment Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.