

RBRC 09516

Strain name C57BL/6J-Inhbc<em100hm>

Primer	primer_name	primer_seq	length	Reference
1		GGCGAGGATGAAGTCAGAAGC	21	RIKEN BRC
2	WT	CTGGCTCTTCTGTTCTGACTCCGA	25	RIKEN BRC
3	MT	CTGGCTCTTCTGTTCTGACTCCGT	25	RIKEN BRC

### Reaction Components

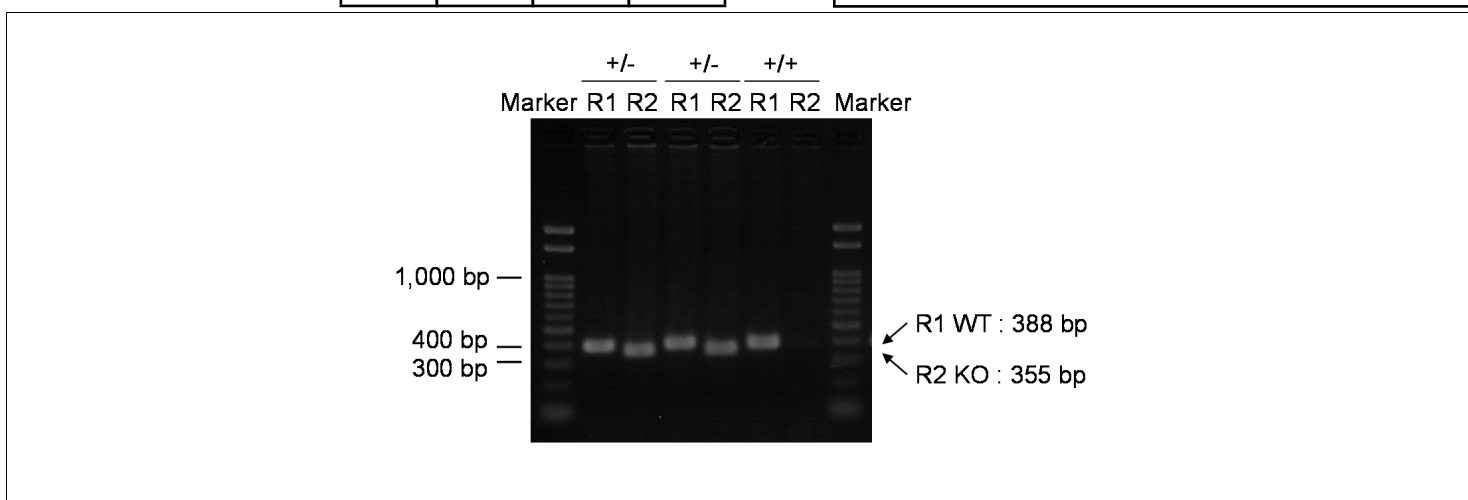
Enzyme

### Reaction Conditions

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	63	90*	
4	72	60*	*Repeat for 30 cycles
5	72	600	

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		2.0	2.0			
Master Mix	2 X	5.0	5.0			
primer 1	10 pmol/μl	1.0	1.0			
primer 2	10 pmol/μl	1.0	0			
primer 3	10 pmol/μl	0	1.0			
DNA		1.0	1.0			
<b>total</b>		10	10			

Marker   
Gel



primer_set	product_size	product (allele type)	
primer 1	primer 2	388 bp	WT
primer 1	primer 3	355 bp	KO
			Reaction 1
			+/+ (wild-type): 388 bp
			+/- (heterozygous): 388 bp
			Reaction 2
			+/+ (wild-type): none
			+/- (heterozygous): 355 bp

Comment