

RBRC 05445

Strain name B6;129-Htr5b<tm1(tTA)Rhn>

Primer	primer_name	primer_seq	length	Reference
1	5B-582U	GCTCCAGGAAACCACAATGCCTTT	24	Depositor's primer
2	5B28L	TGGCGCCTGAGAGGTTAGAAACTT	24	Depositor's primer
3	tTA_R	CCAGGGTCTCGTACTGCTTC	20	Depositor's primer

Reaction Components

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

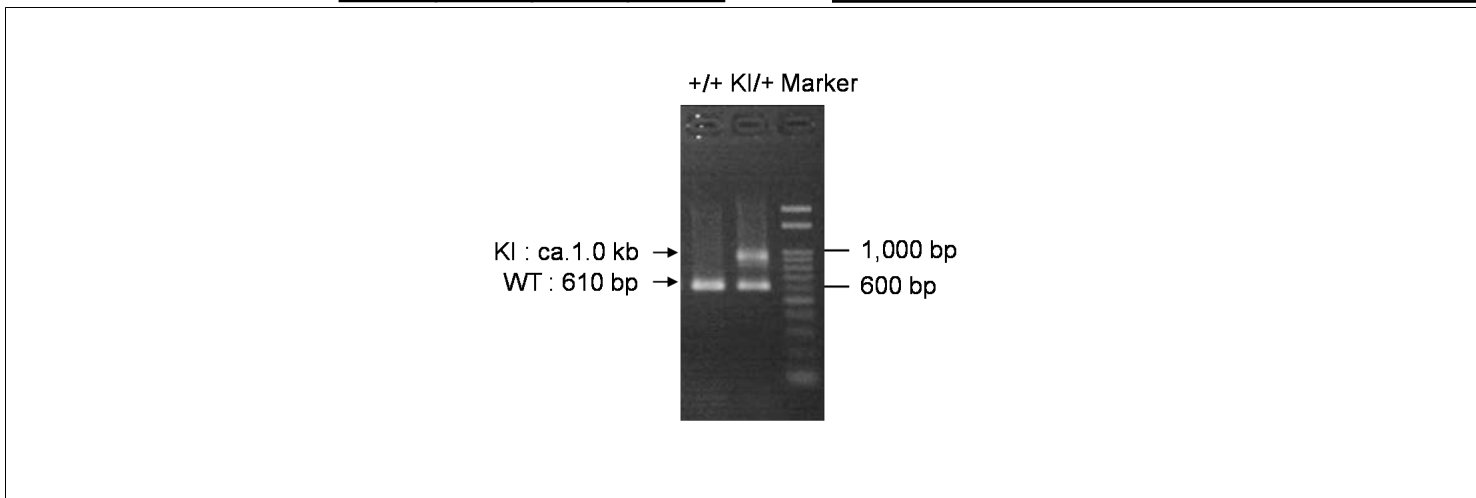
Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4	
H2O		1.8				(μL)
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
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	1 U/μl	0.2				
total		20				

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

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



primer_set	product_size	product (allele type)	
primer 1	primer 2	610 bp	WT
primer 1	primer 3	ca 1.0 kb	KI

Comment Standard PCR

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1	5B-582U	GCTCCAGGAAACCACAATGCCTTT	24	Depositor's primer
2	WT_Rv	GACACGCAGGATAGTCACCAG	21	RIKEN BRC
3	mtTA24L	CGGAGTTGATCACCTTGGACTTGT	24	Biol. Psychiatry, 67, 770-773 (2010).

Reaction Components

Enzyme

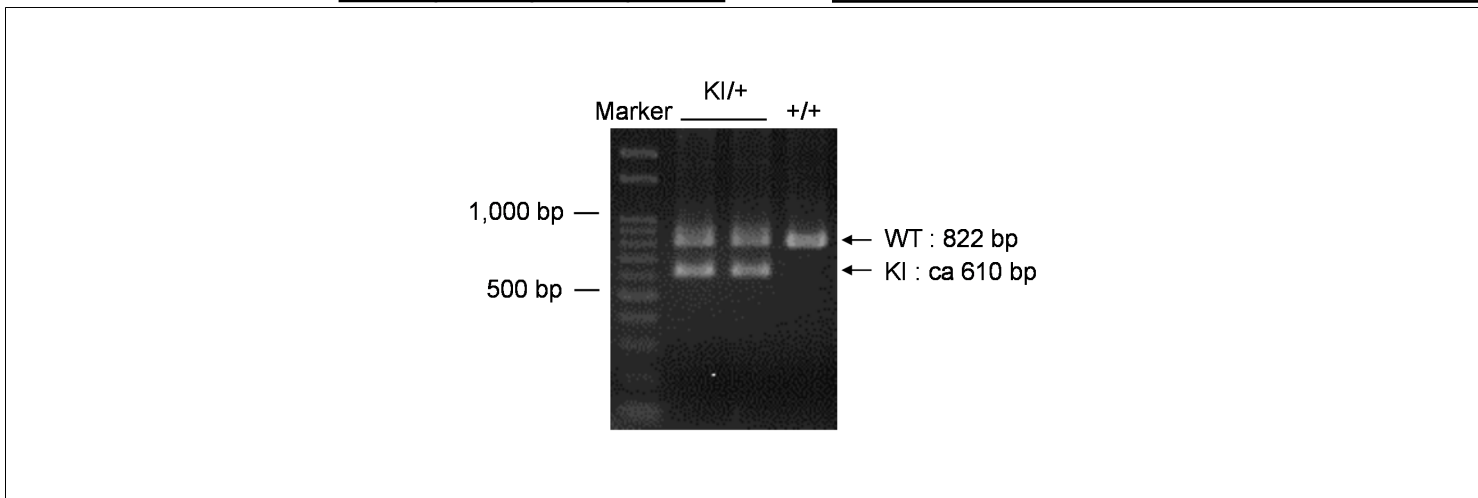
Reaction Conditions

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2	98	10*	
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Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		1.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
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primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
DNA		1.0				
Taq	1 U/μl	0.2				
total		20				

Marker

Gel



primer_set	product_size	product (allele type)
primer 1	822 bp	WT
primer 1	ca 610 bp	KI

Comment [Standard PCR](#)