

RBRC 11202

Strain name STOCK Slc12a2<tm1.1(tetO)Kftnk>

Primer	primer_name	primer_seq	length	Reference
1	NKCC-136U	TGTAGTGGCGCTGTGACTCTTTCT	24	Sci. Rep., 7(1):13605. (2017).
2	NKCC142L	TCCCAGCCGTAGTAGCATCCTCT	23	Sci. Rep., 7(1):13605. (2017).

Reaction Components

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

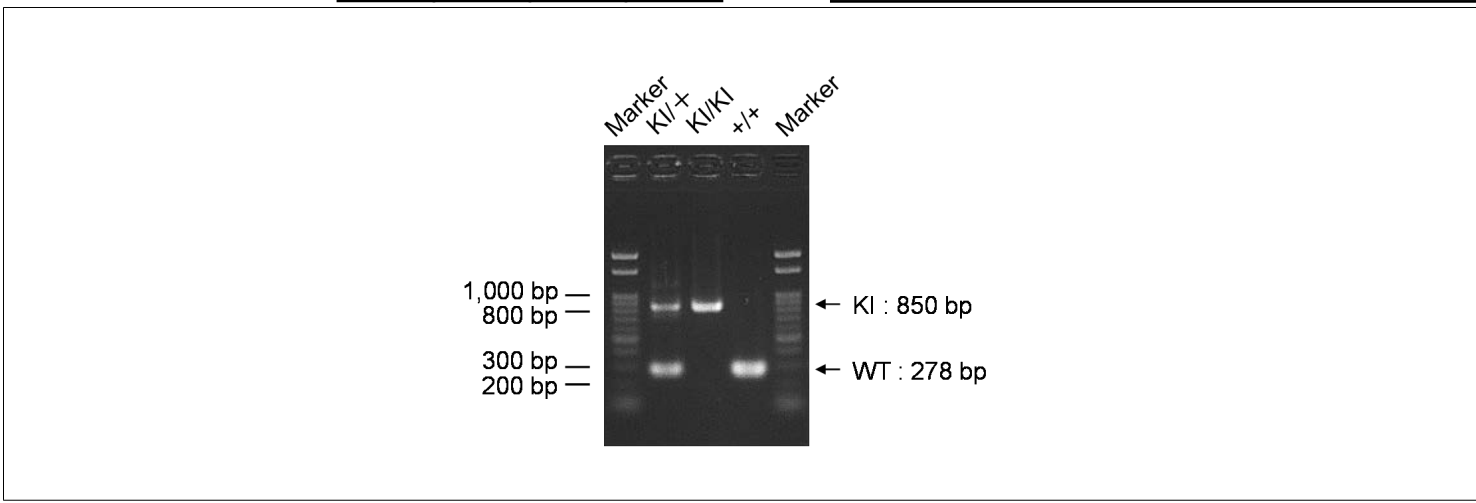
Reagent	Conc	Reaction 1	2	3	4
H2O		2.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.2			
total		20			

(μL)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	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, 30 min)



primer_set	product_size	product (allele type)
primer 1 primer 2	278 bp	WT
primer 1 primer 2	850 bp	KI

Comment [Standard PCR](#)

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