

RBRC 05439

Strain name C57BL/6J-Muc21<tm2(Venus)Tats>/1

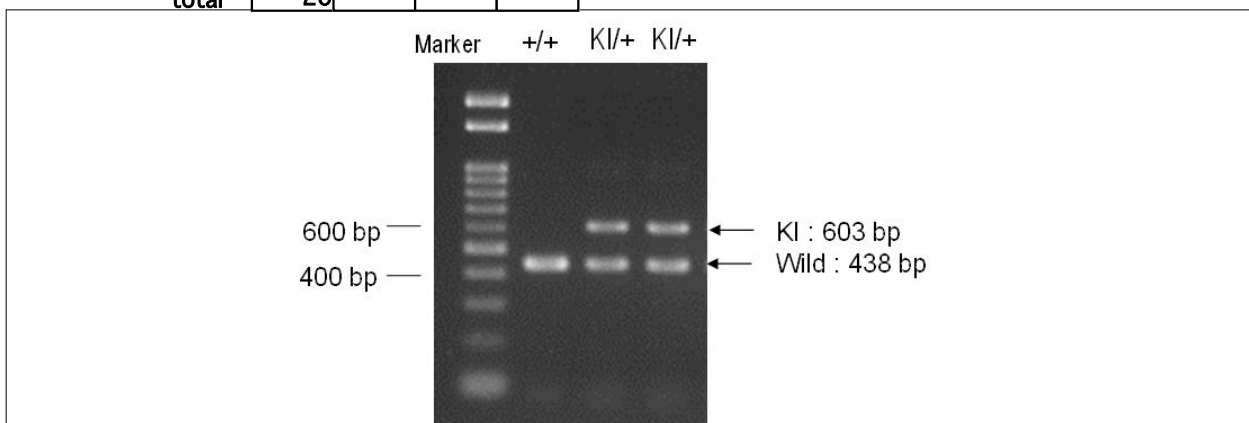
Primer	primer_name	primer_seq	length	
1	Muc21 geno-1 wild-f	AGGATCTGCTATGACTCCAGGG	22	Depositor's primer
2	Muc21 geno-1-r	TGGATCATGAACGTGACCTCTG	22	Depositor's primer
3	Muc21 geno-1KO-f	AAAGCTGCTATTGGCCGCTG	20	Depositor's primer

Reaction Components

 Enzyme TaKaRa Ex Taq (Cat. No. RR001A)
Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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	5 U/μl	0.1			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	63	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	



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	primer 2	438 bp	WT
primer 3	primer 2	603 bp	KI

Comment