PCR protocol

Sheet ID PS_04193
Release date : 7/31/2014
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RBRC 01974 Strain name 129S6.129X1(B6)-Dsg3<tm1>

Primer	primer_name	primer_seq	length		
1		AGCTCTTGCACCTCTGTGCCATG	23		RIKEN BRC
2	M14	AGGCATGCAGAGTTCTTAGCTATATT	26		Depositor's primer
3	M11	CTTGGGTGGAGAGGCTATTCGGCT	24		Depositor's primer

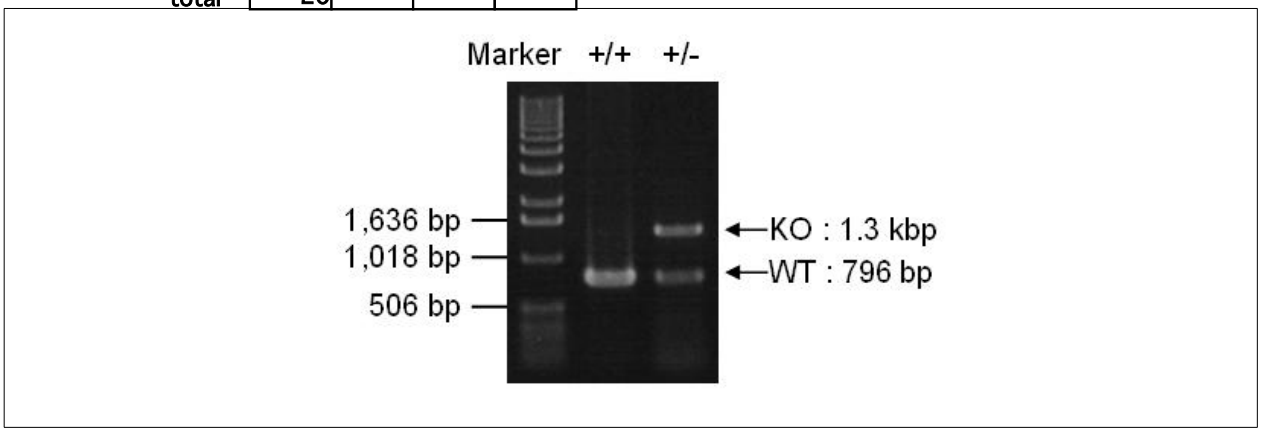
Reaction Components

Enzyme: TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.5			
primer 3	10 pmol/μl	0.5			
DNA		1.0			
Taq		0.2			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
	94	180	
	94	30	*
	57	30	*
	72	120	* *Repeat for 30 cycles
	72	300	



Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	796 bp	WT
primer 1	primer 3	1.3 kbp	KO

Comment