

RBRC 06218

Strain name C57BL/6-Susd3<tm1(KOMP)Vlcg>

Primer	primer_name	primer_seq	length	
1	Susd3-WT2-51	CCCTTGGACTTTCAGGATGGGAACTC	26	Depositor's primer
2	KO-ZenUbc-52	GGGGTGGGATTAGATAAATGCCTGCT	26	Depositor's primer
3	Susd3-WT2-31	CCCAGCCTTTAATGTCAGCTAGGCTC	26	Depositor's primer

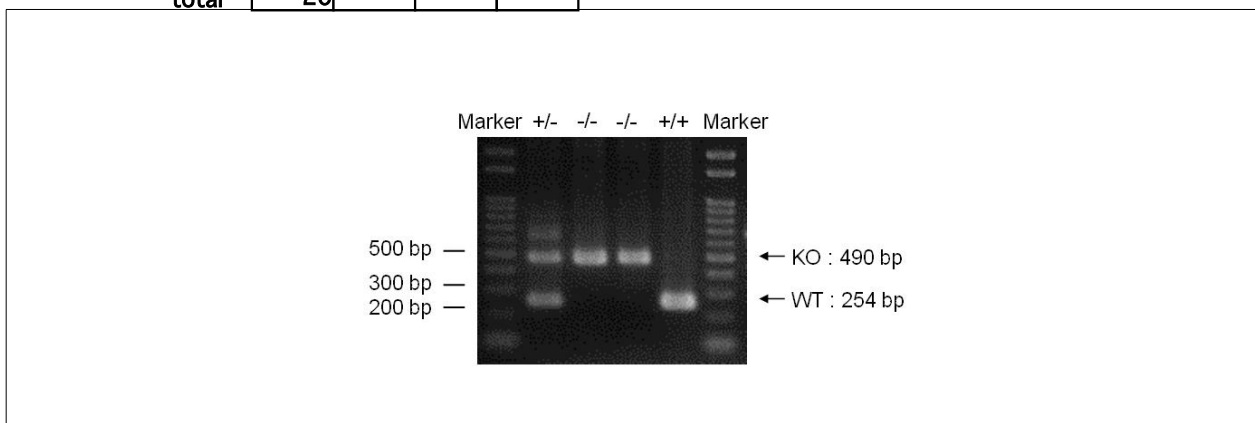
### Reaction Components

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

### Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2 mM	4.0			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
primer 3	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq	1 U/ $\mu$ l	0.2			
<b>total</b>		<b>20</b>			

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)

PCR products		product_size	product
primer_1	primer_3		
primer 1	primer 3	254 bp	WT
primer 2	primer 3	490 bp	KO

Comment

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2	DT5'	GCCTTCTATCGCCTTCTTGACGAGTTCTTC	30	Biochem. Biophys. Res. Commun. 321, 275-279 (2004).
3	Susd3-WT2-31	CCCAGCCTTTAATGTCAGCTAGGCTC	26	Depositor's primer

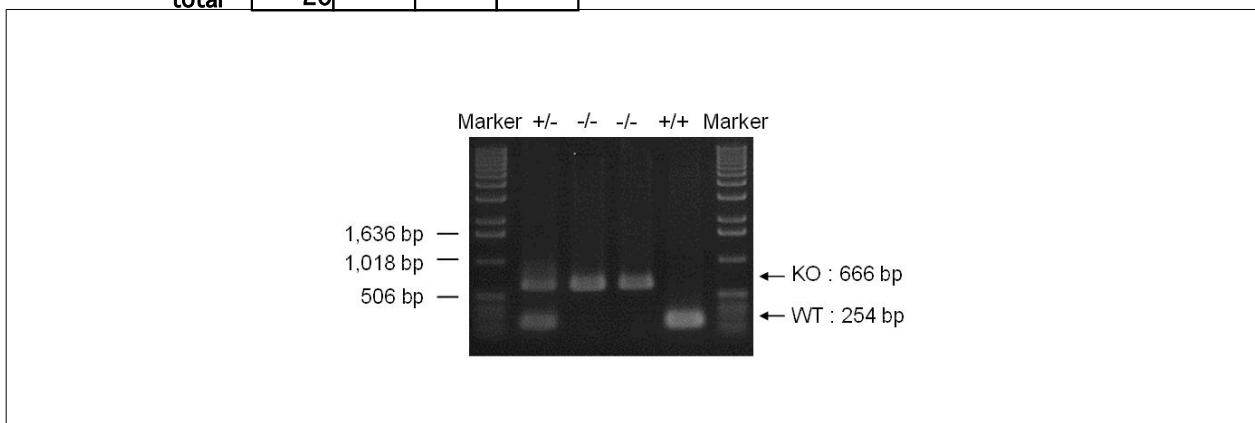
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primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.2			
<b>total</b>		<b>20</b>			



### 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	254 bp	WT
primer 2	666 bp	KO

Comment