

# PCR protocol

RBRC 02763

Strain name B6.B6CB-Psme3<tm1 Smta>

Primer	primer_name	primer_seq	length	
1	PA28g neo	GATCCCCTCAGAAGAACTCGTCAA	24	Depositor's primer
2	PA28g AS	TTGTCCCTCCCTCCAGTTGTCTAA	24	Depositor's primer
3	PA28g S	CCGGGACAATAAGACACATCACTC	24	Depositor's primer

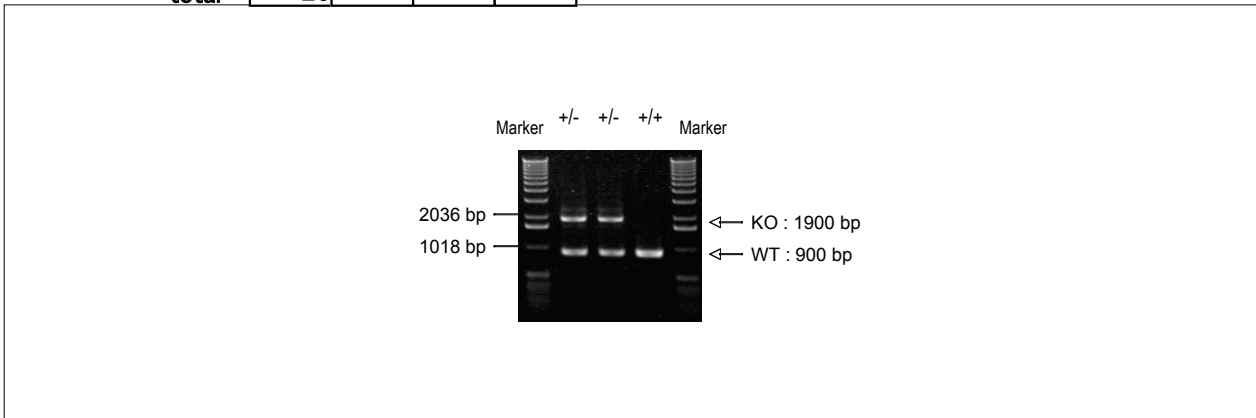
### Reaction Components

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.9			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
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	5U/ $\mu$ l	0.1			
<b>total</b>		<b>20</b>			

### Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	65	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	



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

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

PCR products		product_size	product
primer_set	primer_2	primer_3	
primer 2	primer 3	900 bp	WT
primer 1	primer 3	1900 bp	KO

Comment