

RBRC 10583

Strain name C57BL/6N-Sem1 <tm1.1Smta>

Primer	primer_name	primer_seq	length	Reference
1	Delta neoS	GGCTGGTGTGTACTGACAGGAT	22	Depositor's primer
2	Delta neoAS	GGCAAAGCAGGTGAACTTGTGT	22	Depositor's primer

### Reaction Components

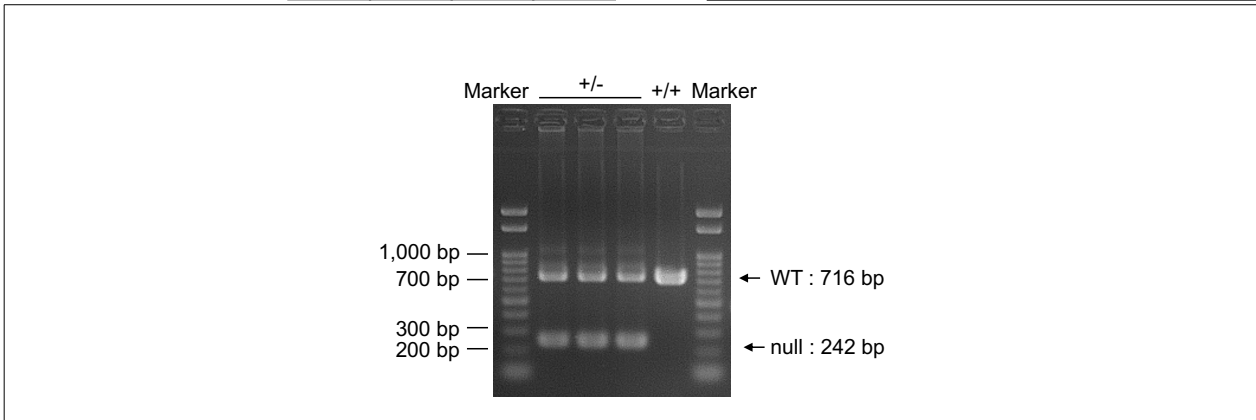
**Enzyme** TOYOBO KOD FX (Code.No : KFX-101)

### Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	60*	*Repeat for 30 cycles

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			
<b>total</b>		20			

<b>Marker</b>	Gene Ladder 100 (Wako, Cat. 316-06951)
<b>Gel</b>	2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)	
primer 1	primer 2	716 bp	WT
primer 1	primer 2	242 bp	null

+/+ (wild-type): 716 bp  
+/- (heterozygous): 716 bp and 242 bp

**Comment** Standard PCR

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