

BRC\_No 00235      Strain name C57BL/6-TgH(AchR-gamma/10)

Primer	primer_name	primer_seq	length
1	LCB668 (Neo1007)	CTTCCTCGTGCTTTACGGTA	20 <small>neo</small>
2	LCB665 (g436r)	GTTCTCCAGGACGATACTG	19
3	LCB664 (g301)	CCTCACAACCTAACGTCTGGA	20

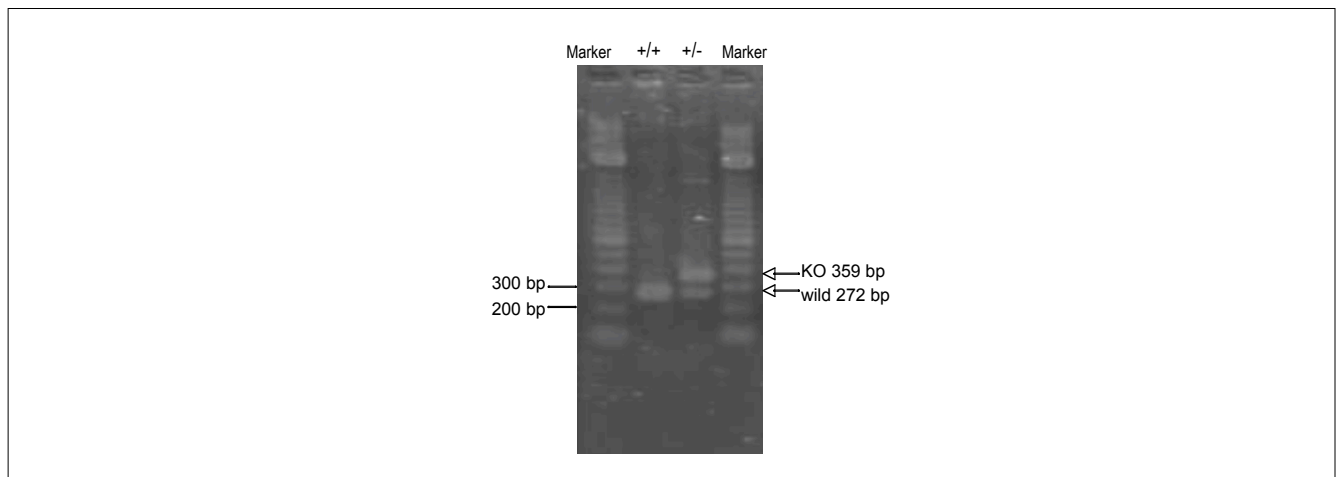
**Reaction Components**

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

	Conc	Run 1	Run 2	Run 3
H2O		3.8		
PCR buffer	2 X	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		0.2		
total		20		

**Reaction Conditions**

step	temp (°C)	time (sec)	note
1	94	300	
2	94	30*	
3	55	60*	
4	72	60*	*Repeat for 32 cycles
5	72	300	



**Marker**

100 bp ladder (Invitrogen, Cat. 15628-050)

**Gel**

2% agarose in 1 X TAE (100 V, 30 min)

**PCR products**

primer_set	product_size	product
primer 2      primer 3	272 bp	wild
primer 1      primer 3	359 bp	KO

Comment