

# PCR protocol

RBRC 01939

Strain name B6.129X1-Trpv4&lt;tm1Ms&gt;

Primer	primer_name	primer_seq	length
1	Exon4 F	TGTTCTGGGGTGGTTTGGCCAGGATAT	26
2	Exon4 R	GGTGAACCAAAGGACACTTGCATAG	25
3	5Neo	TGGATTGCACGCAGGTTCTC	20

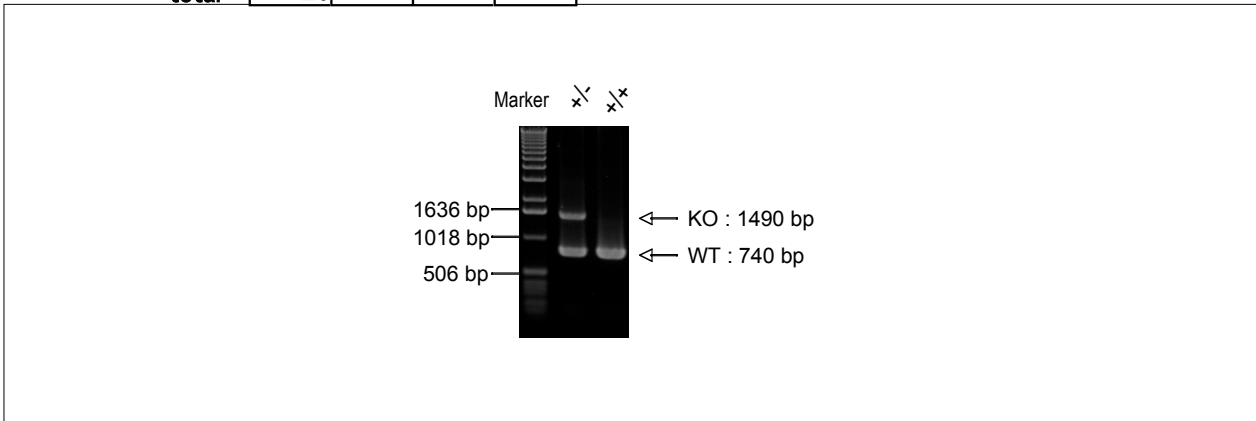
### Reaction Components

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

### Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	

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 1.0			
primer 3	10 pmol/μl 1.0			
DNA	1.0			
Taq	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 primer 2	740 bp	wild
primer 1 primer 3	1490 bp	KO

### Comment