

# PCR protocol

RBRC 04059

Strain name B6;129S6-Foxp2&lt;tm1Momo&gt;

Primer	primer_name	primer_seq	length	
1	Foxp2-552F	GATGGTCAAGACCCACTAGT	20	Depositor's primer
2	Foxp2-552R	AGGAGGAGACAGCATGCATT	20	Depositor's primer

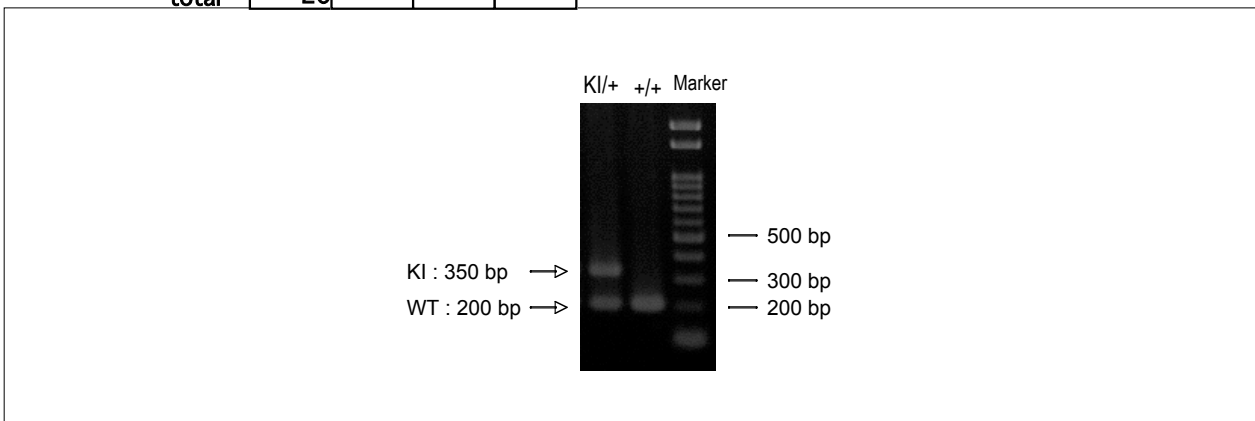
**Reaction Components**

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		13.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq		0.1			
<b>total</b>		<b>20</b>			

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



**Marker**  
Gene Ladder 100 (Wako, Cat. 316-06951)

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

PCR products			
primer 1	primer 2	product_size	product
primer 1	primer 2	200 bp	WT
primer 1	primer 2	350 bp	KI

Comment