

RBRC 02900

Strain name B6;129P2-PolI<tm1Nmt>

Primer	primer_name	primer_seq	length	Reference
1		GGCTGCGGAAATTGAGCAGACG	22	RIKEN BRC
2		AGGCCTGGGCTGATATCCGGAC	22	RIKEN BRC
3	Neo10	ATCAGAGCAGCCGATTGTCTGTTG	24	Depositor's primer

### Reaction Components

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

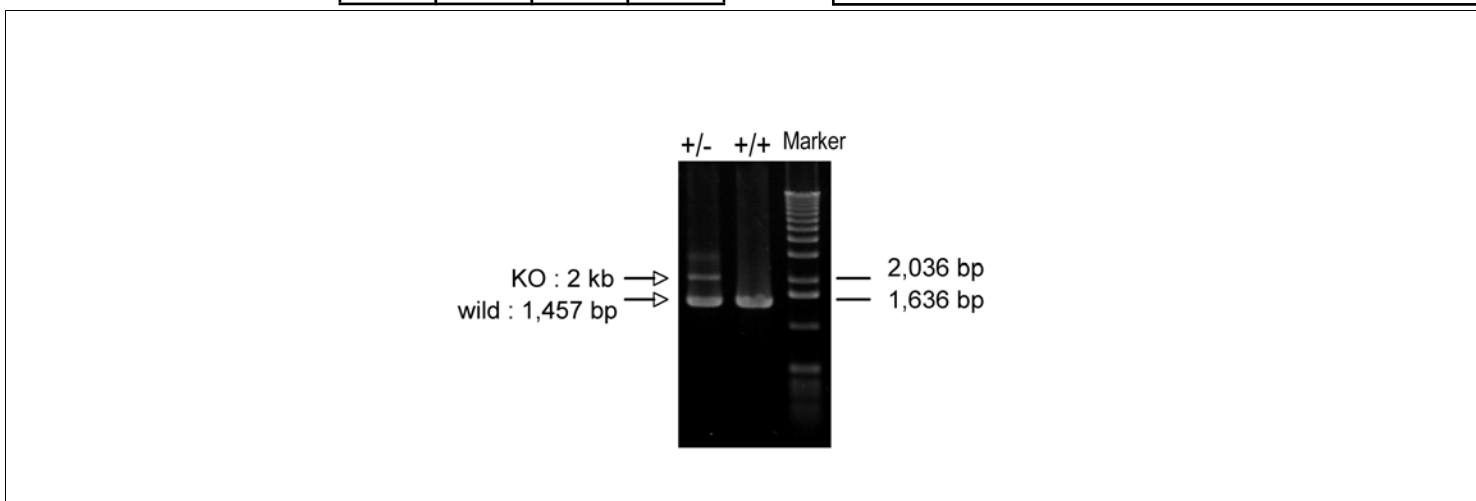
Reagent	Conc	Reaction 1	2	3	4	( $\mu$ L)
H2O		3.8				
PCR buffer	2 X GC I	10.0				
dNTP	2.5 mM	2.0				
primer 1	10 pmol/ $\mu$ l	1.0				
primer 2	10 pmol/ $\mu$ l	1.0				
primer 3	10 pmol/ $\mu$ l	1.0				
DNA		1.0				
Taq		0.2				
<b>total</b>		20				

### 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	

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

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



primer_set	product_size	product (allele type)	
primer 1	primer 2	1,457 bp	WT
primer 2	primer 3	2 kb	KO

### Comment

