

RBRC 02507

Strain name  $\Delta$ neo-mNos2-L(N2enh-nos2(dC)EGFP)#2

Primer	primer_name	primer_seq	length		
1	EGFP-Fw	TACGGCAAGCTGACCCTGAA	20		Depositor's primer
2	EGFP-Rv	CATGTGATCGCGCTTCTCGT	20		Depositor's primer
3	nos2-R2	TCCCAGTCAGACGACTTG	18		Depositor's primer
4	lacZ-F	GGAGCCCGTCAGTATCGGCGGAATT	25		Depositor's primer
5	N2-R	TGTTCCCAGTCAGACGACTT	20		Depositor's primer
6	N2-F	GGCAGAGAAGAATGCCAGTT	20		Depositor's primer
7	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	Internal control (IL-2)	JAX Genotyping Protocol
8	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	Internal control (IL-2)	JAX Genotyping Protocol

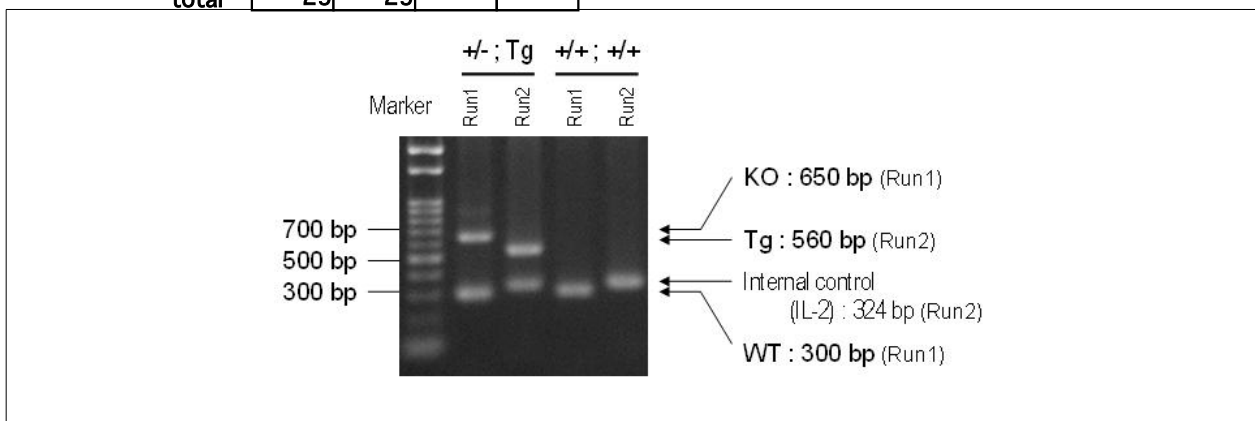
### Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

### Reaction Conditions

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	

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		15.3	15.3		
PCR buffer	10 X	2.5	2.5		
dNTP	2.5 mM	2.0	2.0		
primer 1	10 pmol/ $\mu$ l	0	1.0		
primer 2	10 pmol/ $\mu$ l	0	1.0		
primer 3	10 pmol/ $\mu$ l	1.0	0		
primer 4	10 pmol/ $\mu$ l	1.0	0		
primer 5	10 pmol/ $\mu$ l	1.0	0		
primer 6	10 pmol/ $\mu$ l	1.0	0		
primer 7	10 pmol/ $\mu$ l	0	1.0		
primer 8	10 pmol/ $\mu$ l	0	1.0		
DNA		1.0	1.0		
Taq		0.2	0.2		
<b>total</b>		<b>25</b>	<b>25</b>		



### Marker

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

### Gel

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

### PCR products

primer_set	product_size	product
primer 5	300 bp	WT
primer 3	650 bp	KO
primer 1	560 bp	Tg
primer 7	324 bp	Internal control (IL-2)

Comment