

PCR protocol

RBRC 02508

Strain name Δneo-mNos2-L(N2enh-nos2(dZ)EGFP)#2)

Primer	primer_name	primer_seq	length
1	EGFP-Fw	TACGGCAAGCTGACCCTGAA	20
2	EGFP-Rv	CATGTGATCGCGCTTCTCGT	20
3	nos2-R2	TCCCAGTCAGACGACTTG	18
4	lacZ-F	GGAGCCCGTCAGTATCGGCGGAATT	25
5	N2-R	TGTTCCCAAGTCAGACGACTT	20
6	N2-F	GGCAGAGAAGAATGCCAGTT	20
7	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24
8	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25

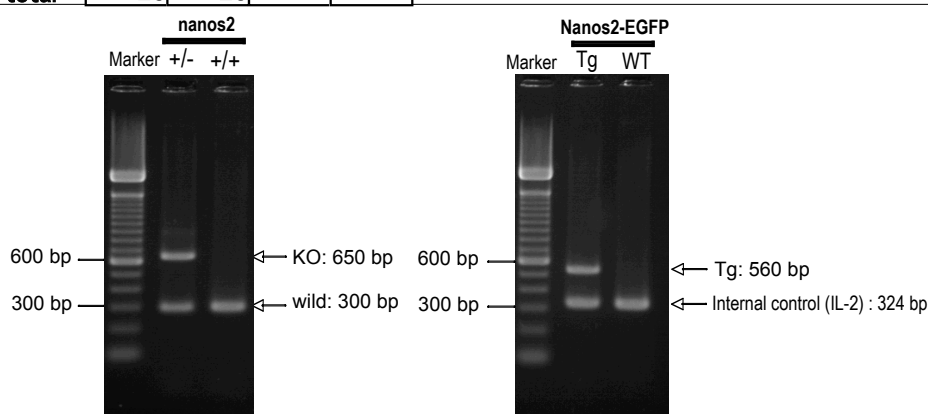
Reaction Components

Enzyme	TaKaRa Ex Taq (Cat. No. RR001A)
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Reaction Conditions

[illegible]

	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/ μ l	0	1.0		
primer 2	10 pmol/ μ l	0	1.0		
primer 3	10 pmol/ μ l	1.0	0		
primer 4	10 pmol/ μ l	1.0	0		
primer 5	10 pmol/ μ l	1.0	0		
primer 6	10 pmol/ μ l	1.0	0		
primer 7	10 pmol/ μ l	0	1.0		
primer 8	10 pmol/ μ l	0	1.0		
DNA		1.0	1.0		
Taq		0.2	0.2		
	total	25	25		



Marker

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

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

PCR products

primer_set		product_size	product
primer 5	primer 6	300 bp	wild
primer 3	primer 4	650 bp	KO
primer 1	primer 2	560 bp	Tg
primer 7	primer 8	324 bp	internal control (IL-2)

Comment