

PCR protocol

RBRC 02509

Strain name Δneo-mNos2-L(N2enh-nos2EGFP)#2

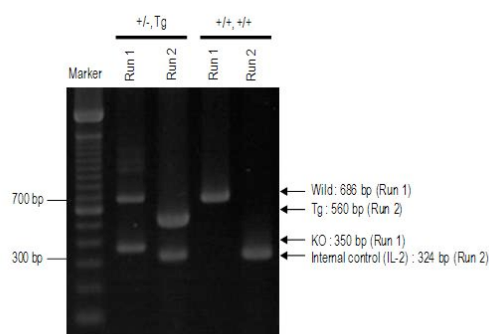
Primer	primer_name	primer_seq	length	
1		GAGACTGCTGACTGCTGTTGAG	22	RIKEN BRC
2		GCAAAGCCCTAAAGTGAAGAGAA	23	RIKEN BRC
3	BG52	CCAGTCACGACGTTGTAAAACGACG	25	Depositor's primer
4	EGFP-Rv	CATGTGATCGCGCTTCTCGT	20	Depositor's primer
5	EGFP-Fw	TACGGCAAGCTGACCCTGAA	20	Depositor's primer
6	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
7	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

Reaction Components

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

	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	1.0	0		
primer 2	10 pmol/ μ l	1.0	0		
primer 3	10 pmol/ μ l	2.0	0		
primer 4	10 pmol/ μ l	0	1.0		
primer 5	10 pmol/ μ l	0	1.0		
primer 6	10 pmol/ μ l	0	1.0		
primer 7	10 pmol/ μ l	0	1.0		
DNA	10 pmol/ μ l	1.0	1.0		
Taq		0.2	0.2		
	total	25	25		

[illegible]

Marker

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

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	686bp	WT
primer 2	primer 3	350 bp	KO
primer 4	primer 5	560 bp	Tg
primer 6	primer 7	324 bp	Internal control (IL-2)

Comment