

PCR protocol

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RBRC 02463

Strain name C57BL/6-Nefh<tm1 (Venus)lto>

Primer	primer_name	primer_seq	length	
1	NF-H Up. F	TACTGACGATGCGTCGATTCCC	22	Depositor's primer
2	NF-H 5'. R	CGTTGCTTAGGGTGTCTAGCGA	22	Depositor's primer
3	Venus 5'. R	GAACTTGTGGCCGTTTACGTC	21	Depositor's primer

Reaction Components

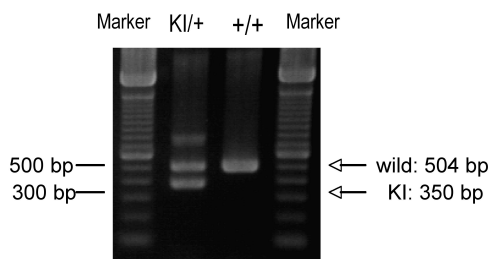
Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.2			
total		20			

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	

Standard PCR



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	504 bp	WT
primer 1	primer 3	350 bp	KI

Comment