

PCR protocol

RBRC 01750

Strain name SemaCap3

Primer	primer_name	primer_seq	length
1		gaggctgacataattcccgatcgc	25
2	Cap3-ex-FW	cgaccacttgctccagtaaccggaag	28
3	Neo	GCAATCCATCTTGTTCAATGGCC	23

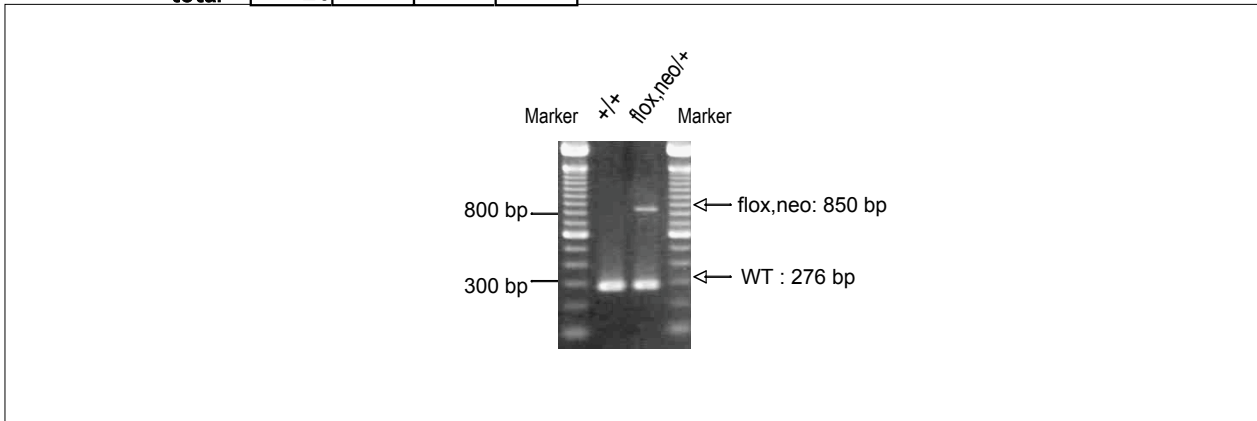
Reaction Components

Enzyme	TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)
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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		3.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq		0.2			
total		20			


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 1 primer 2	850 bp	flox, neo
primer 1 primer 3	276 bp	wild

Comment