

BRC_No 01104

Strain name semaphorin III/D (null) Targeting mice

Primer

	primer_name	primer_seq	length
1	P1 (5 intron)	ACAACGCTTGCCTCGGGAGGTAAA	24
2	P3 (3 intron)	ATGGTTCTGATAGGTGAGGCATGG	24

Reaction Components

Enzyme TaKaRa LA Taq with GC buffer

Reaction Conditions

	Conc	Run 1	Run 2	Run 3
H2O		4.8		
PCR buffer	2 X	10.0		
dNTP	2.5 mM	2.0		
primer 1	10 pmol/ μ l	1.0		
primer 2	10 pmol/ μ l	1.0		
DNA		1.0		
Taq		0.2		
total		20		

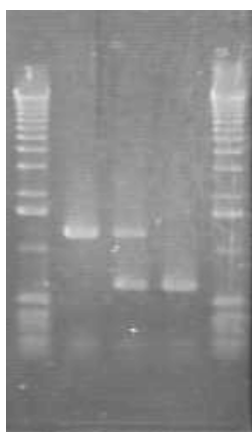
step	temp (°C)	time (sec)	note
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1	94	300	
2	94	30*	
3	60	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	

marker +/+ +/- -/- marker

1018 bp →

506 bp →



← wild type 1200 bp

← null 650 bp

Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

Gel

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

PCR products

primer_set	product_size	product
primer 1	650 bp	null
primer 1	1200 bp	wild

Comment