

BRC_No 01106

Strain name *semaphorin III/D* (conditional) Targeting mice

Primer

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

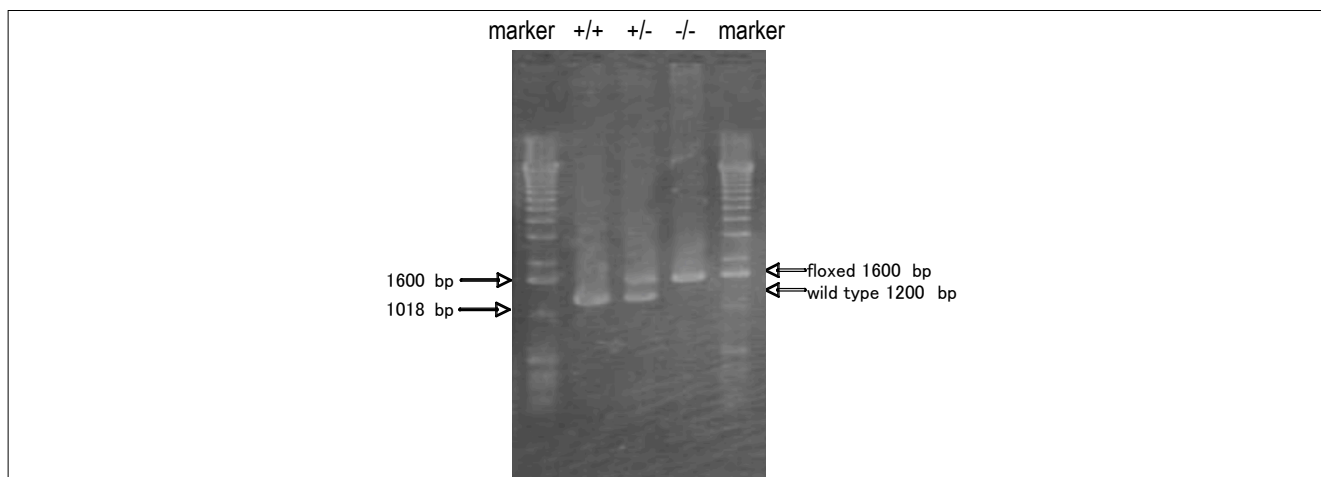
Reaction Components

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

	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/μl	1.0		
primer 2	10 pmol/μl	1.0		
DNA		1.0		
Taq		0.2		
total		20		

Reaction Conditions

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



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 primer 2	1600 bp	floxed
primer 1 primer 2	1200 bp	wild

Comment