PCR protocol

RBRC 01840 **Strain name** GluRε4 KO mouse

Primer	primer_name	primer_seq	length	
1		gcaggcccctgcctcctcgctc	22	
2	5Neo	TGGATTGCACGCAGGTTCTC	20	
3		ctgacctcatcctcagatgag	21	

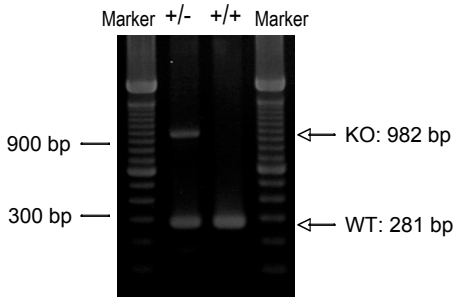
Reaction Components

Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
Master Mix	2 X	5.0			
DNA		1.0			
	total	10			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	95	900	
2	94	30*	
3	60	90*	
4	72	60*	*Repeat for 30 cycles
5	72	600	



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	982 bp	KO
primer 1	primer 3	281 bp	WT

Comment