

BRC_No 00408

Strain name Gfap KO

Primer			
	primer_name	primer_seq	length
1	Gfap k-91 intron190	GGCAGATTTAGTCCAACCCGTTCCCTCCATAAAG	33
2	Gfap k-94 intron765	CTTGACTTCAGTCTCTCTGCTCACTAGCC	30
3	Gfap k-95 LacZ	GGCATCAGTCGGCTTGCGAGTTTACGTGCATG	32
4	Gfap k-96 neo	GCCTTCTATCGCCTTCTTGACGAGTTCTTC	30 neo

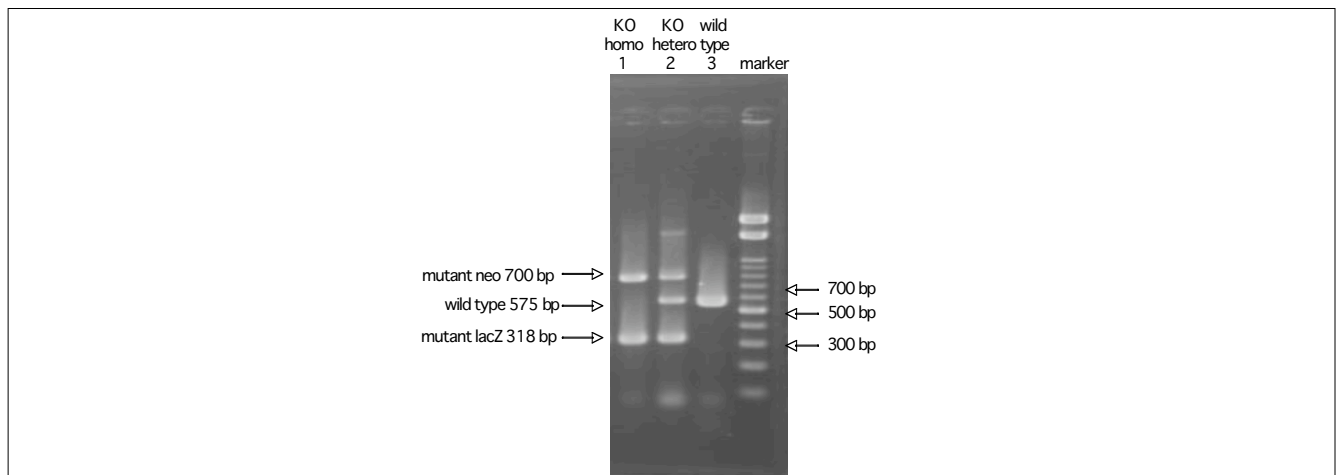
Reaction Components

Enzyme TaKaRa LA Taq with GC buffer

Reaction Conditions

	Conc	Run 1	Run 2	Run 3
H2O		2.8		
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		
primer 3	10 pmol/ μ l	1.0		
primer 4	10 pmol/ μ l	1.0		
DNA		1.0		
Taq		0.2		
total		20		

step	temp (°C)	time (sec)	note
1	95	300	
2	95	30*	
3	60	30*	
4	72	90*	*Repeat for 32 cycles
5	72	300	



Marker

100 bp DNA Ladder (TOYOBO, Cat. DNA-030)

Gel

2% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set	product_size	product
primer 1 primer 2	575 bp	wild
primer 1 primer 3	318 bp	lacZ
primer 2 primer 4	700 bp	neo

Comment