

PCR protocol

BRC_No 01724

Strain name DLAD KO

Primer	primer_name	primer_seq	length
1	DLAF- antisense	CTGCATGCCTTCTGCATTCTGATGTCAAG	30
2	NeoR primer	GATTCGCAGCGCATCGCCTTCTATCG	26
3	DLAD-sense primer	AGACAGGGAAGGGCAAATCGACAATAGGGA	30

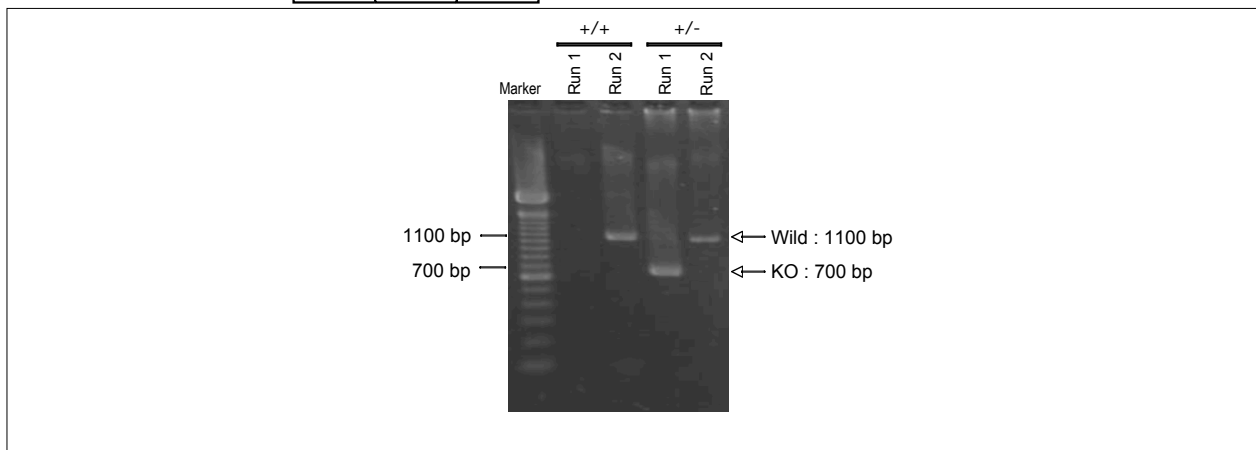
Reaction Components

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

Reaction Conditions

Conc	Run 1	Run 2	Run 3
H2O	4.8	4.8	
PCR buffer	10.0	10.0	
dNTP	2.0	2.0	
primer 1	1.0	1.0	
primer 2	1.0	0	
primer 3	0	1.0	
DNA	1.0	1.0	
Taq	0.2	0.2	
total	20	20	

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	60*	
4	72	60*	*Repeat for 30 cycles
5	72	300	


Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

2% agarose in 1 X TAE (100 V, 35 min)

PCR products

primer_set	product_size	product
primer 1 primer 2	700 bp	KO
primer 1 primer 3	1100 bp	wild

Comment