

# PCR protocol

RBRC 01130

Strain name Ceramide galactosyltransferase (CGT)-deficient mice

Primer	primer_name	primer_seq	length
1	CGT1	CTCTCAGAAGGCAGAGACATTGCC	24
2	CGT2	CATCCATAGGCTGGACCCATGAAC	24
3	Neo-DF	GGAGAGGCTATTCGGCTATGAC	22
4	Neo-DR	CGCATTGCATCAGCCATGATGG	22

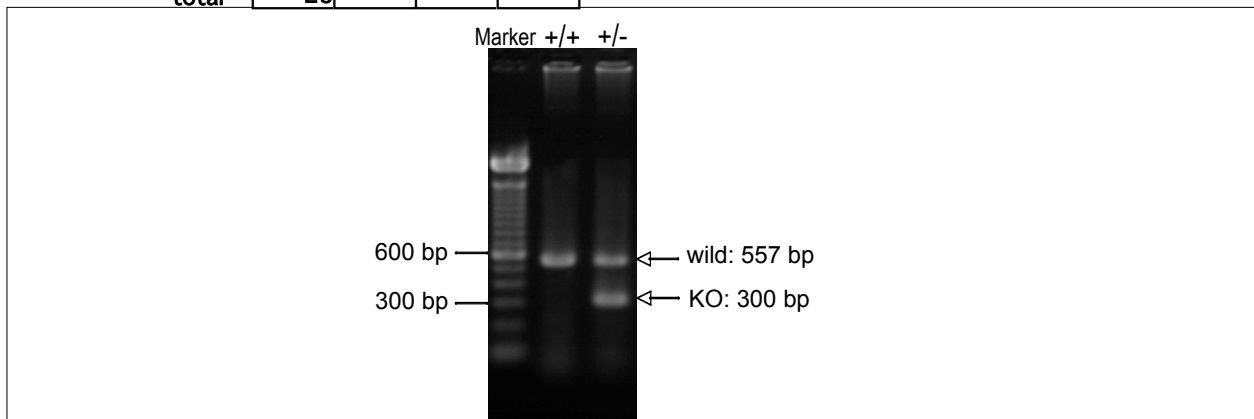
**Reaction Components**

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

step	temp (°C)	time (sec)	note
1	94	300	
2	94	30*	
3	55	30*	
4	72	60*	*Repeat for 35 cycles
5	72	300	

Conc	Run 1	Run 2	Run 3	Run 4
H2O	15.3			
PCR buffer	2.5			
dNTP	2.0			
primer 1	1.0			
primer 2	1.0			
primer 3	1.0			
primer 4	1.0			
DNA	1.0			
Taq	0.2			
total	25			


**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	557 bp	wild
primer 3	300 bp	KO

Comment