

# PCR protocol

RBRC 02285

Strain name C57BL/6-St3gal4&lt;tm1.1Bsi&gt;

Primer	primer_name	primer_seq	length	
1	Df86	AGGCAGGGGGTGTGTCTAGTTA	22	Depositor's primer
2	Dr21	GTCTCTCTGCCTCACCTGGAA	22	Depositor's primer

## Reaction Components

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

## Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		4.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq		0.2			
<b>total</b>		<b>20</b>			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
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, 30 min)

## PCR products

primer_set	product_size	product
primer 1 primer 2	996 bp	WT
primer 1 primer 2	649 bp	KO

## Comment