

# PCR protocol

RBRC 02929

Strain name B6;129S2-Olfr1507&lt;tm2.1Hsak&gt;

Primer	primer_name	primer_seq	length	
1	F1	CTAATTTACTTACATGAATTATTCACCTTGCAACT	35	Depositor's primer
2	R1	CAGGGATTATCTGATAAGATGAACAACCCA	30	Depositor's primer
3	Pr-C	GCTTGCCGAATATCATGGTGGAAAATGGCC	30	Depositor's primer

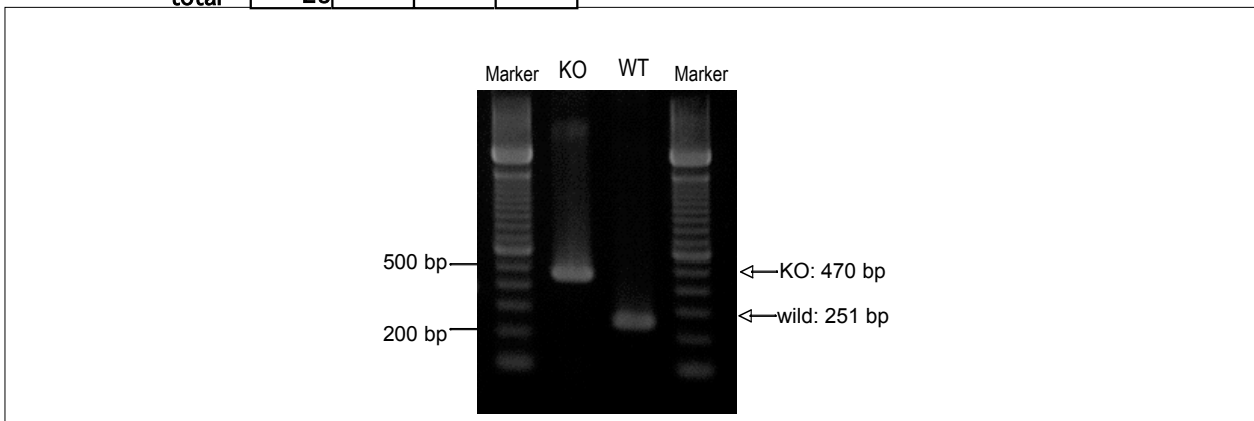
**Reaction Components**

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

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	

Conc	Run 1	Run 2	Run 3	Run 4
H2O	16.3			
PCR buffer	2.5			
dNTP	2.0			
primer 1	1.0			
primer 2	1.0			
primer 3	1.0			
DNA	1.0			
Taq	0.2			
<b>total</b>	<b>25</b>			


**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	251 bp	WT
primer 1    primer 3	470 bp	KO

**Comment**