

RBRC 11718

Strain name B6.129S-Tchp<tm1Inag>

Primer	primer_name	primer_seq	length	Reference
1	WT TCHP-Fwd	GAAGCTGCCTGATTCTTCCT	20	Cell Rep., 34(10):108817 (2021).
2	WT TCHP-Rev	TCAGGGGTTAAGAGCGCTAA	20	Cell Rep., 34(10):108817 (2021).
3	Geo-Fwd	CTATGAAAGGTTGGGCTTCG	20	Cell Rep., 34(10):108817 (2021).

Reaction Components

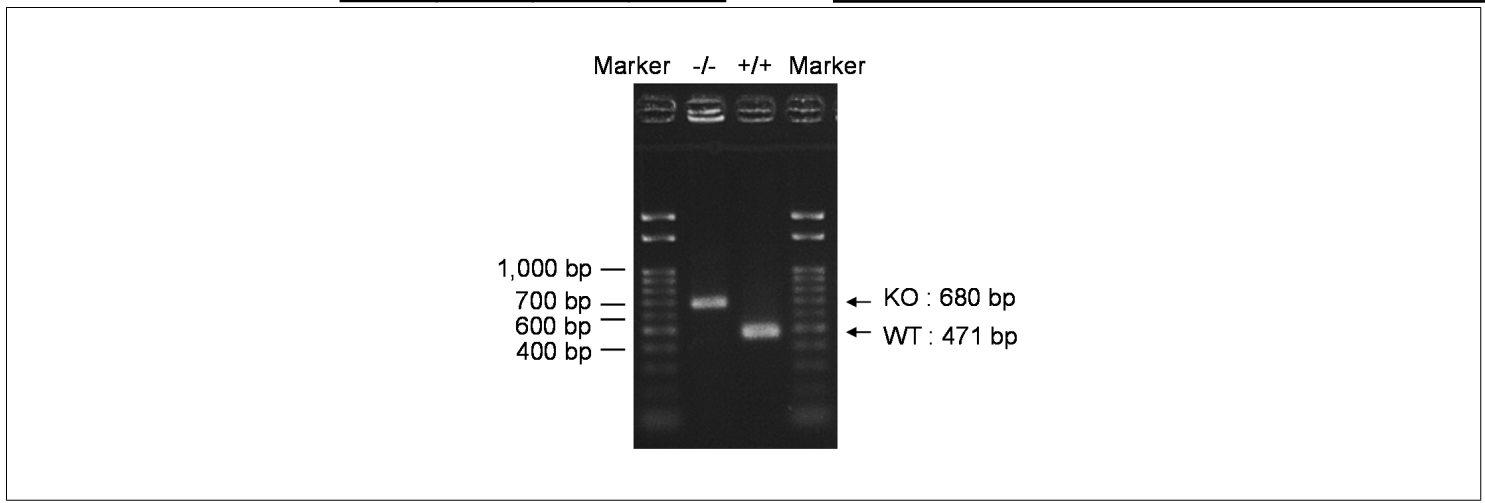
Enzyme TaKaRa Ex Premier DNA Polymerase (Cat No. RR370S)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	60	
2	98	10*	
3	60	15*	
4	68	60*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		1.0				
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
Master Mix	2 X	5.0				
DNA		1.0				
total		10				

Marker Gene Ladder 100 (Wako, Cat. 316-06951)
Gel 2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)	
primer 1	471 bp	WT	+/+ (wild-type): 471 bp -/- (homozygous): 680 bp
primer 2	680 bp	KO	

Comment