

RBRC 10254

Strain name C57BL/6-II17rb<tm1Tgi>

Primer	primer_name	primer_seq	length	Reference
1	il17rbWTf	TAACTGGCGTCCCGGGAGTG	20	Depositor's primer
2	il17rbWTr	GCTGGCAGGTTTTTCAGGCGC	20	Depositor's primer
3		GCAGCGCATCGCCTTCTATCGC	22	RIKEN BRC

Reaction Components

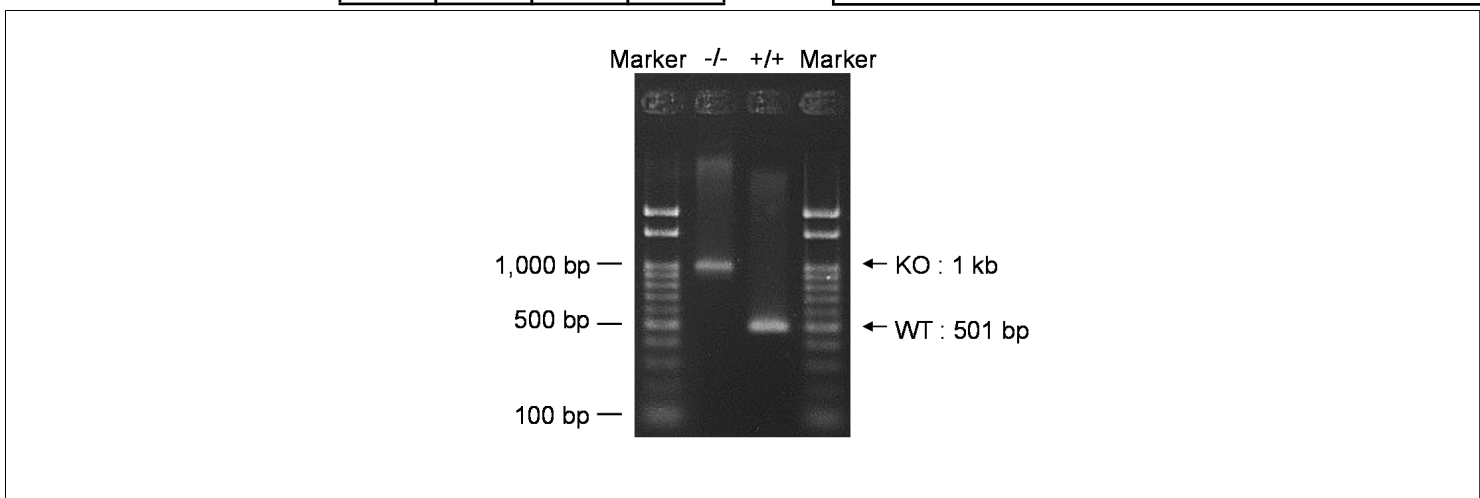
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	60*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		1.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
DNA		1.0				
Taq	1 U/μl	0.2				
total		20				

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	primer 2	501 bp	WT
primer 1	primer 3	1 kb	KO

+/+ (wild-type): 501 bp
-/- (homozygous): 1 kb
+/- (heterozygous): 501 bp and 1 kb

Comment Standard PCR

Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.