



# PCR protocol

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RBRC 11688

Strain name B6;Cg-Oxtr(em3(3xPA)Yinn)

Primer	primer_name	primer_seq	length	Reference
1	Oxtr Fw3	CCTGGAGAGACGAGCATTAGCAAG	24	Depositor's primer
2	Oxtr Rv1	AGGGATGCAAACCAATCAATAGGCAC	26	Depositor's primer

### Reaction Components

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

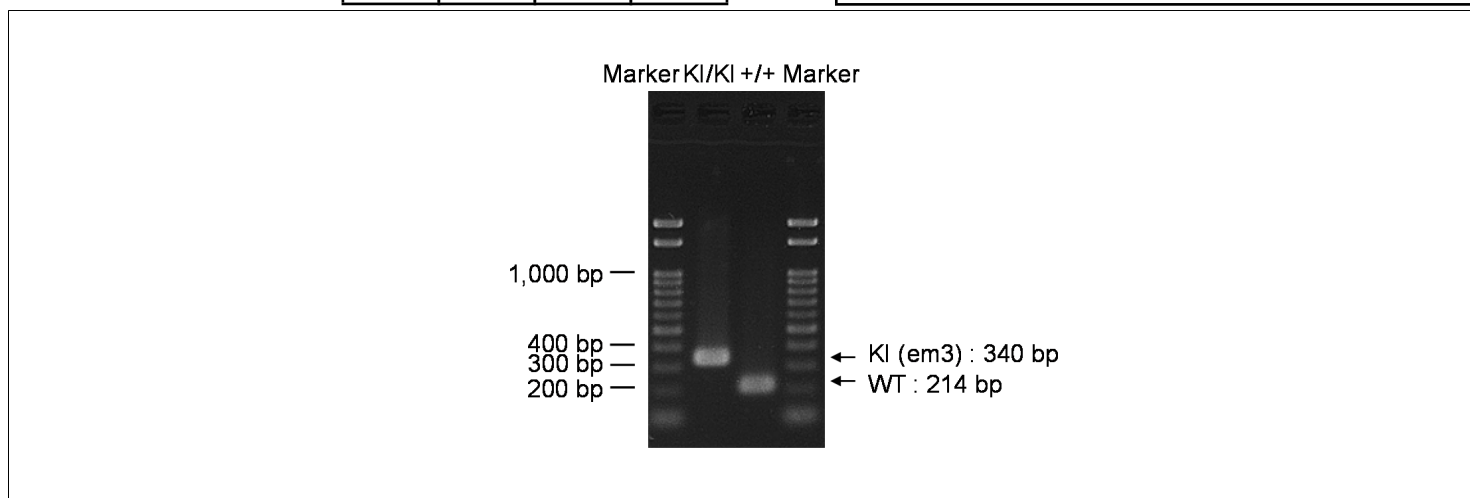
### Reaction Conditions

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
H2O		2.8			
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			
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	214 bp	WT	+/+ (wild-type): 214 bp KI/KI (homozygous): 340 bp
primer 1 primer 2	340 bp	KI (em3)	

Comment [Standard PCR](#)

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