

RBRC 11687

Strain name B6;Cg-Oxtr<em2(1xPA/T2A/icre)Yinn>

Primer	primer_name	primer_seq	length	Reference
1	Oxtr Fw3	CCTGGAGAGACGAGCATTAGCAAG	24	Depositor's primer
2	Oxtr Rv1	AGGGATGCAAACCAATCAATAGGCAC	26	Depositor's primer
3	iCre_N_R2	GTCCCTGAACATGTCCATCAGGTTTC	25	Depositor's primer

Reaction Components

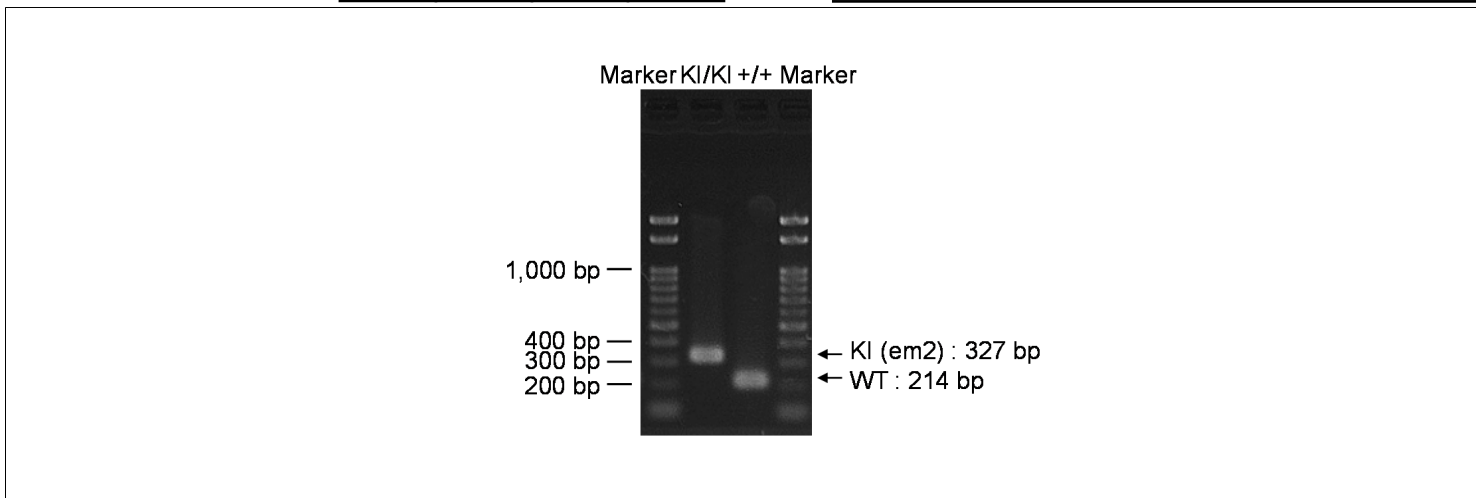
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

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	(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	214 bp	WT
primer 1	primer 3	327 bp	KI (em2)

+/+ (wild-type): 214 bp
KI/KI (homozygous): 327 bp

Comment [Standard PCR](#)

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