

RBRC 12138

Strain name C57BL/6J-Emx1<em1(dre)Kta>

Primer	primer_name	primer_seq	length	Reference
1	emx1 exon 3	GGAGGACATTGATGTCACCTC	21	RIKEN BRC
2	emx1 exon 3	GGAGCCTTGGCCAGCAGCAAGC	22	RIKEN BRC

Reaction Components

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

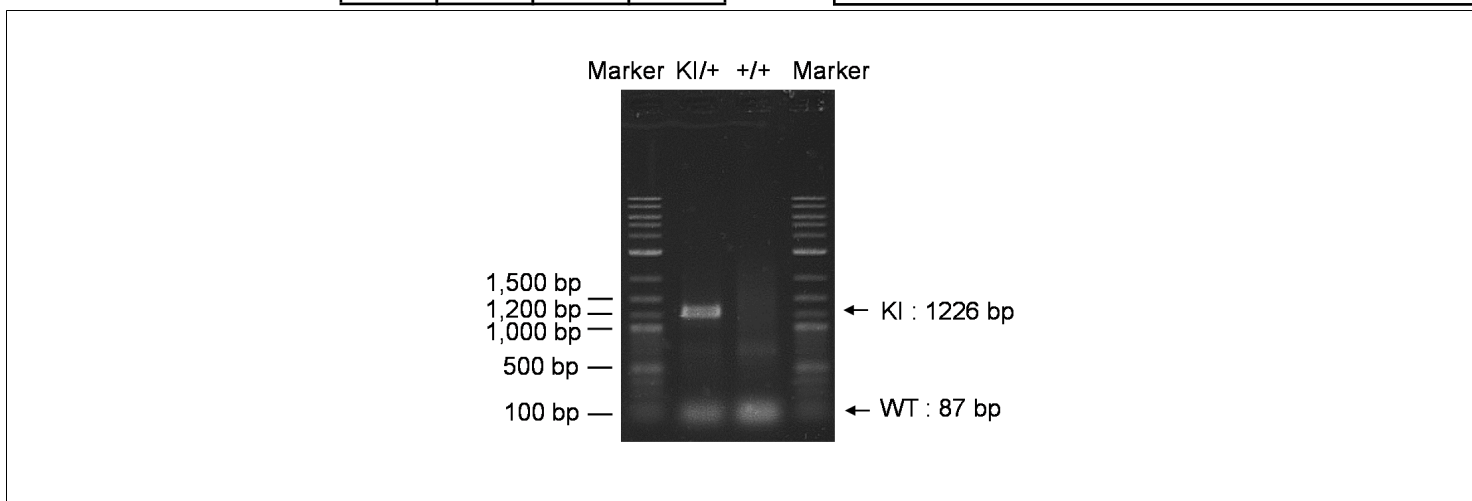
Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	90*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4	(µL)
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 2-Log DNA Ladder (NEB, Cat. N3200)

Gel 1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	87 bp	WT
primer 1	1,226 bp	KI

Comment

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