

RBRC 10465

Strain name STOCK Amy1<em1(luc/mVenus)Matam>

Primer	primer_name	primer_seq	length	Reference
1	Amy1-F	TGAAATTCTTCCTGCTGCTTTCC	23	Depositor's primer
2	Amy1-R	TGTCTTACCTGCACACCTGC	20	Depositor's primer
3	GFP-Full-R	CTTGACAGCTCGTCCATGCCGAG	24	RIKEN BRC

Reaction Components

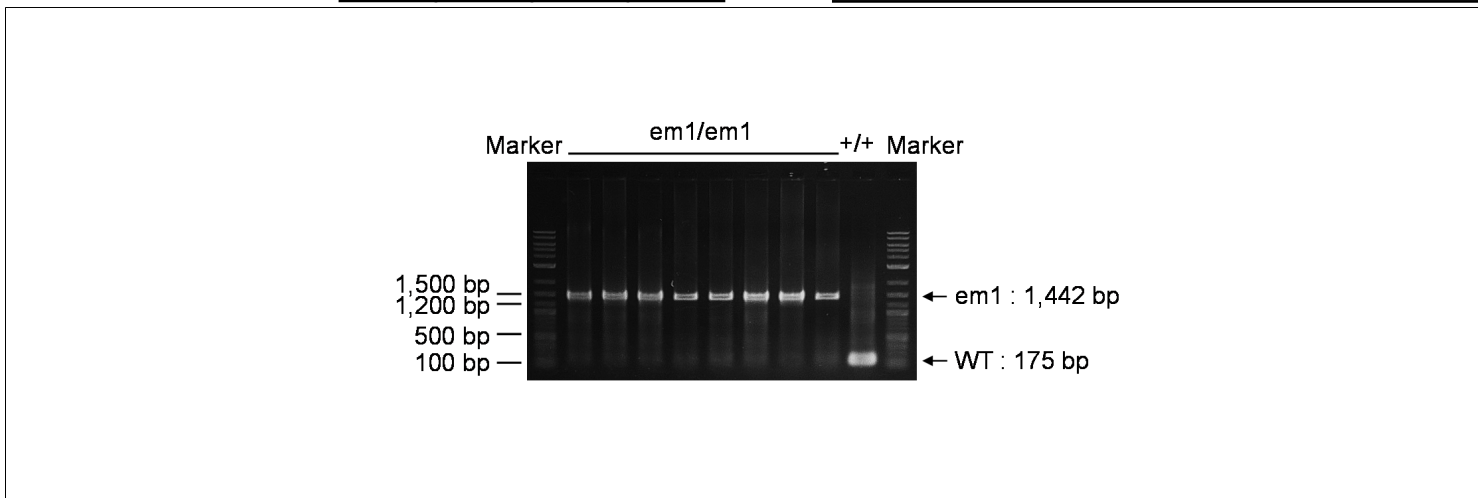
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reagent	Conc	Reaction 1	2	3	4
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			

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	180*	*Repeat for 30 cycles

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	primer 2	175 bp WT
primer 1	primer 3	1,442 bp em1

+/+ (wild-type): 175 bp
em1/em1 (homozygous): 1,442 bp

Comment Standard PCR

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