

RBRC 09459

Strain name C57BL/6N-Ftl2-ps<em1Rbrc>

Primer	primer_name	primer_seq	length	Reference
1	ck_MGE79-F	AACCAGTATGTCTCAGCTTTGCGGC	25	RIKEN DNA Bank
2	ck_MGE79-R	AGGAAGCTCCAAGCACAGGGCTTTG	25	RIKEN DNA Bank

Reaction Components

Enzyme

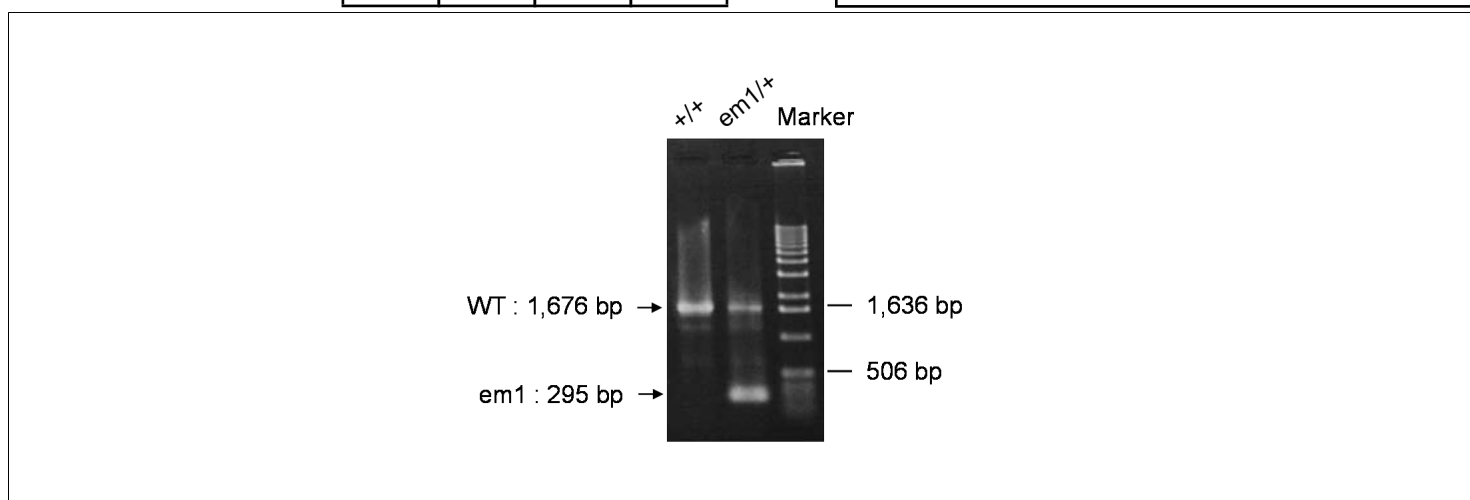
Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	180*	*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 1 kb DNA ladder (Invitrogen, Cat. 15615-024)

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



primer_set	product_size	product (allele type)	
primer 1	primer 2	1,676 bp	WT
primer 1	primer 2	295 bp	em1

Comment [Standard PCR](#)

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