

RBRC 10450

Strain name B6-Tecrl<em1Akih>

Primer	primer_name	primer_seq	length	Reference
1	primer #2 nameTecrl R1	TTCAAATAGATGAAAAACATTTTGG	25	Depositor's primer
2	WT	GTA <del>CT</del> CTCAGCAGGCCCGCTCAAAGC	26	RIKEN BRC
3	MT	GTA <del>CT</del> CTCAGCAGGCCCGCTCAAAGA	26	RIKEN BRC

### Reaction Components

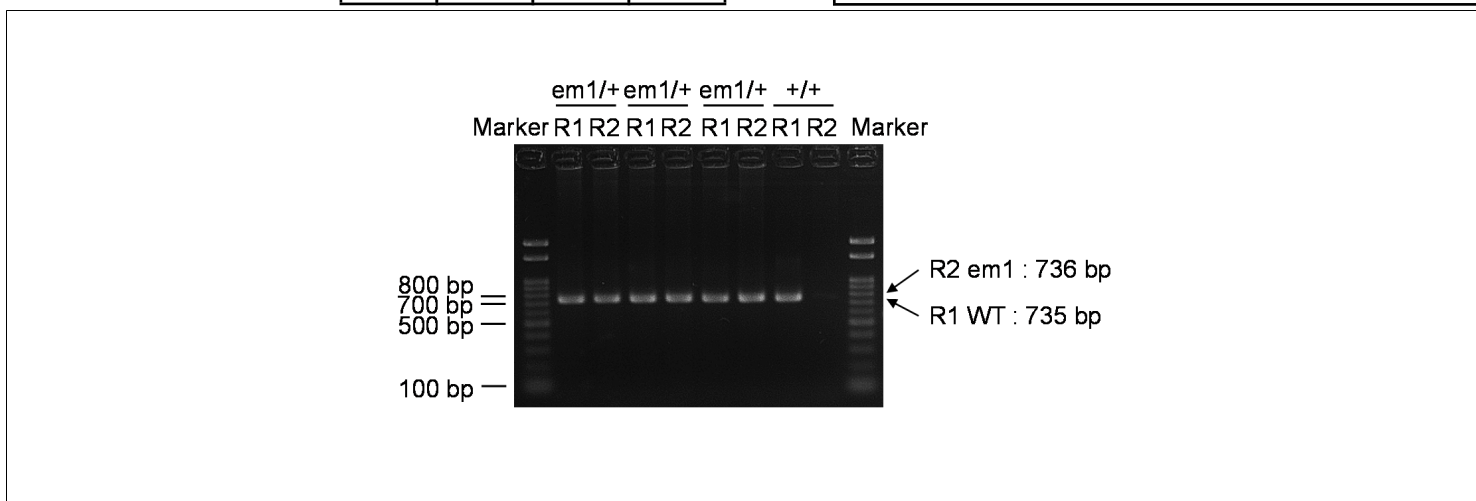
Enzyme

### Reaction Conditions

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	60	90*	
4	72	60*	*Repeat for 25 cycles

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		2.0	2.0			
primer 1	10 pmol/μl	1.0	1.0			
primer 2	10 pmol/μl	1.0	0			
primer 3	10 pmol/μl	0	1.0			
DNA		1.0	1.0			
Master Mix	2 X	5.0	5.0			
<b>total</b>		10	10			

<b>Marker</b>	Gene Ladder 100 (Wako, Cat. 316-06951)
<b>Gel</b>	2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)	
primer 1	primer 2	735 bp	WT
primer 1	primer 3	736 bp	em1
			Reaction 1 +/+ (wild-type): 735 bp em1/+ (heterozygous): 735 bp
			Reaction 2 +/+ (wild-type): none em1/+ (heterozygous): 736 bp

Comment Allele specific PCR (ASP)