PCR protocol

Sheet ID PS_07571
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RBRC 10037 **Strain name** C57BL/6N-Cnot3<em1Rbrc>

Primer	primer_name	primer_seq	length		Reference
1	Intron 7	GAGAGAAATGGATCCTTGAGATGTCAG	27		RIKEN BRC
2	WT	TTCAAAGTCGGGGTCCTGGGATG	23		RIKEN BRC
3	MT	TTCAAAGTCGGGGTCCTGGGAAC	23		RIKEN BRC

Reaction Components

Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

Reagent	Conc	Reaction 1	2	3	4
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		
	total	10	10		

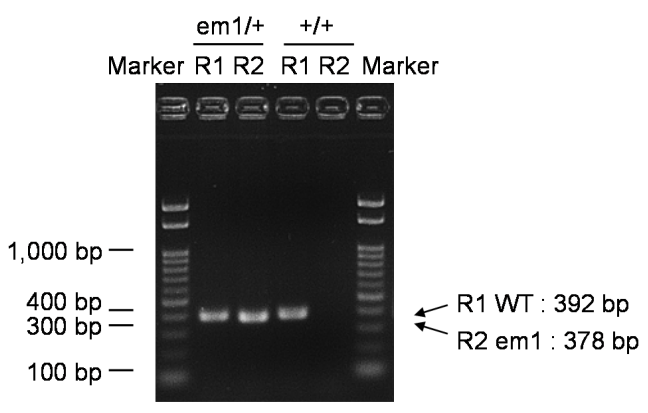
(μL)

Reaction Conditions

step	temp (℃)	time (sec)	note
1	95	900	
2	94	30	*
3	65	90	*
4	72	60	* *Repeat for 30 cycles

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	392 bp	WT
primer 1	primer 3	378 bp	em1

Comment Allele specific PCR (ASP)