PCR protocol

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RBRC 11904 **Strain name** C57BL/6J-Foxp1<em2Kmuk>

Primer	primer_name	primer_seq	length		Reference
1	RARE2_F	CGCCTGAACTTCAGTGAGGTCAACA	25		Depositor's primer
2	wt	GGGTGACATTTATGTGACCCGG	22		RIKEN BRC
3	mt	AACAAATTTATTAATGGTCTTTGTTTTTTCCCC	33		RIKEN BRC
4	RARE2_R	CAGGCTGGAGGAAACACGTCGT	22		Depositor's primer

Reaction Components

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

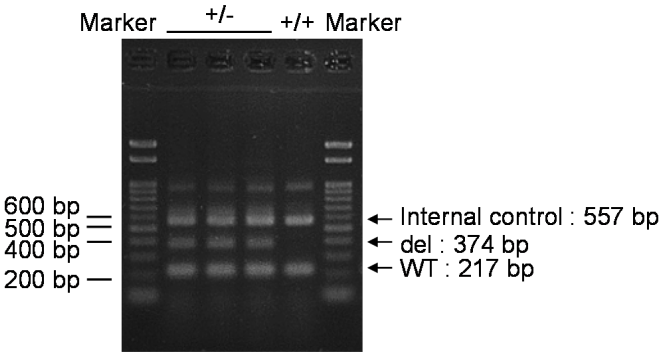
Reagent	Conc	Reaction 1	2	3	4	
primer 1	10 pmol/μl	1.0				(μL)
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
primer 4	10 pmol/μl	1.0				
Master Mix	2 X	5.0				
DNA		1.0				
	total	10				

Reaction Conditions

step	temp (℃)	time (sec)	note
1	95	900	
2	94	30	*
3	60	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 4	557 bp	Internal control
primer 1	primer 2	217 bp	WT
primer 3	primer 4	374 bp	del

Comment Allele specific PCR (ASP)