

RBRC 11199

Strain name B6;Cg-Cdc20<em2Jko>

Primer	primer_name	primer_seq	length	Reference
1	exon 7_WT	TCAGTGGTTCACGGTCTGGC	20	RIKEN BRC
2	Cdc20 genotyping R	CAGCGCCTTGATGTTGAGTG	20	Depositor's primer
3	Cdc20 genotyping F	GTCCAGGTGAGCCTGGTTGC	20	Depositor's primer
4	exon 7_MT	GAACATCATGGTGGTGGATGTGAA	24	RIKEN BRC

Reaction Components

Enzyme

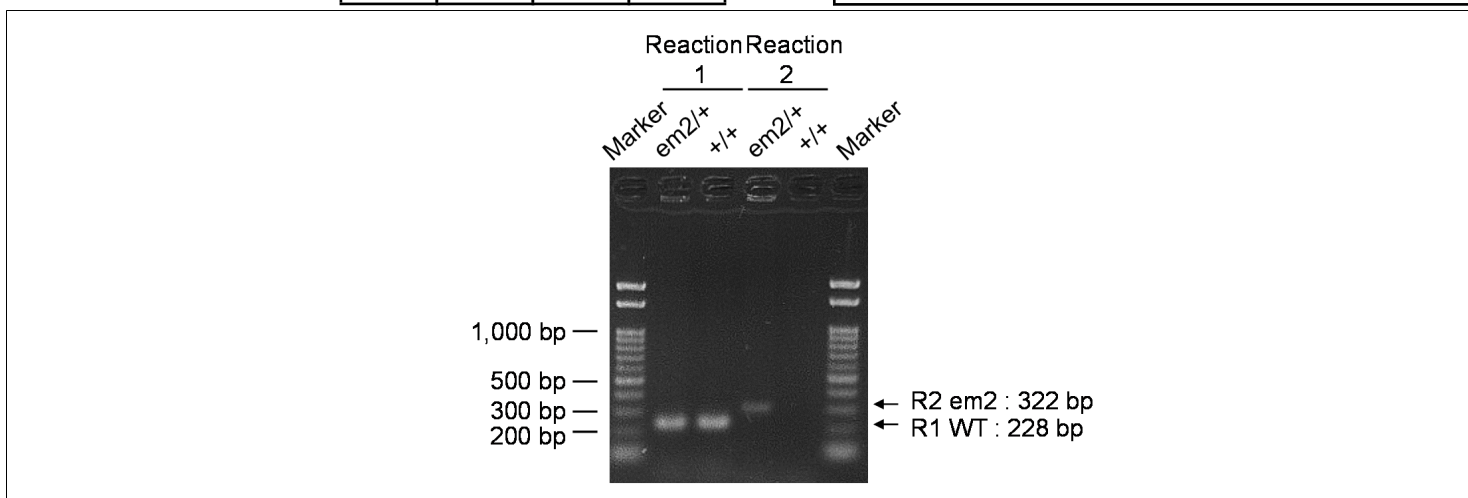
Reagent	Conc	Reaction 1	2	3	4	(μ L)
H2O		2.0	2.0			
primer 1	10 pmol/ μ l	1.0	0			
primer 2	10 pmol/ μ l	1.0	0			
primer 3	10 pmol/ μ l	0	1.0			
primer 4	10 pmol/ μ l	0	1.0			
Master Mix	2 X	5.0	5.0			
DNA		1.0	1.0			
total		10	10			

Reaction Conditions

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

Marker

Gel



primer_set	product_size	product (allele type)	
primer 1	228 bp	WT	Reaction 1 +/+ (wild-type): 228 bp em2/+ (heterozygous): 228 bp
primer 3	322 bp	em2	
			Reaction 2 +/+ (wild-type): none em2/+ (heterozygous): 322 bp

Comment [Separated PCR](#)