

Gene symbol	<i>Prkg2</i>
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primer	Sequence(5'-3')	Size	target gene	accession
rPrkg2-F rPrkg2-KMI-R rPrkg2-WT-R	TGTATTTTCCCGTCCGACAC CAGAGTACGCTAGGTTCCAAGG TCCTTCGATGCCACCGTAAT	378bp or 530bp	prkg2	NM_013012.1
comment	Mutant alleleのPCR産物は530bp Wild alleleのPCR産物は378bp			

PCR condition							
Taq polymerase		Nova Taq Hot start DNA polymerase					
Thermal cycler		PC-808(ASTEC)					
PCR buffer		Ampdirect Plus					
		first denature	denature	anneal	extension	cycle	final extension
PCR	°C	94	94	55	72	35	72
	min	3	0.5	1	0.75		3
comment							

Electrocataphoresis ;4% agarose gel 300V, 30min	
<p>1 2 3 mri/mri +/- mri/+ M</p> <p>← +/+ ← mri/mri</p>	
Strain harboring mutation	KMI/Tky