

Table S1. Primer sequences for Site-Directed Mutagenesis (SDM)

Amino acid no. on <i>GmRIC1</i>	Mutation		Primer sequence (mutation)
31	L31A	For.	TGCAGGCTAGTAAT GCC CATGGCCATCC (CTC-GCC)
		Rev.	GGATGGCCATG GGC ATTACTAGCCTGCA (GAG-GGC)
58	K58A	For.	AGACGACCTATCAG CGC CATATACATGTTC (AAG-GCG)
		Rev.	GAACATGTATATG CGC TGATAGGTCGTCT (CTT-CGC)
77	R1E	For.	GATGGAAATACGCAT GA GCTCGCACCAGAGG (AGG-GAG)
		Rev.	CCTCTGGTGCGAGC TC ATGCGTATTTCCATC (CCT-CTC)
78	L2A	For.	GGAAATACGCATAGG GC CGCACCAGAGGGAC (CTC-GCC)
		Rev.	GTCCCTCTGGTGCG GC CCTATGCGTATTTCC (GAG-GGC)
78	L2N	For.	GGAAATACGCATAGG AAC GCACCAGAGGGAC (CTC-AAC)
		Rev.	GTCCCTCTGGTG GTT CCTATGCGTATTTCC (GAG-GTT)
78	L2R	For.	GGAAATACGCATAGG CGC GCACCAGAGGGAC (CTC-CGC)
		Rev.	GTCCCTCTGGTG CGC CCTATGCGTATTTCC (GAG-GCG)
79	A3D	For.	ACGCATAGGCTC GAT CCAGAGGGACCAG (GCA-GAT)
		Rev.	CTGGTCCCTCTGG ATC GAGCCTATGCGT (TGC-ATC)
80	P4R	For.	GCATAGGCTCGCA AG AGAGGGACCAGATCC (CCA-AGA)
		Rev.	GGATCTGGTCCCTCT CT TGCGAGCCTATGC (TGG-TCT)
81	E5A	For.	ATAGGCTCGACCA GCG GGACCAGATCCTC (GAG-GCG)
		Rev.	GAGGATCTGGTCCC G CTGGTGCGAGCCTAT (CTC-CGC)
81	E5R	For.	ATAGGCTCGACCA AGG GGACCAGATCCTC (GAG-AGG)
		Rev.	GAGGATCTGGTCC CCT TGGTGCGAGCCTAT (CTC-CCT)
81	E5T	For.	ATAGGCTCGACCA ACG GGACCAGATCCTC (GAG-ACG)
		Rev.	GAGGATCTGGTCC CGT TGGTGCGAGCCTAT (CTC-TGC)
81	E5V	For.	ATAGGCTCGACCA GTG GGACCAGATCCTC (GAG-GTG)
		Rev.	GAGGATCTGGTCC CAC TGGTGCGAGCCTAT (CTC-CAC)
82	G6A	For.	GCTCGCACCAGAG GCA CCAGATCCTCATC (GGA-GCA)
		Rev.	GATGAGGATCTGGT G CCTCTGGTGCGAGC (TCC-TGC)
83	P7A	For.	CTCGCACCAGAGGG G CAGATCCTCATCATA (CCA-GCA)
		Rev.	TATGATGAGGATCTG C TCCCTCTGGTGCGAG (TGG-TGC)
84	D8A	For.	CACCAGAGGGACCAG GCT CCTCATCATAAT (GAT-GCT)
		Rev.	ATTATGATGAGG G CTGGTCCCTCTGGTG (ATC-AGC)
85	P9A	For.	AGAGGGACCAGAT GCT CATCATAATTTTG (CCT-GCT)
		Rev.	CAAATTATGATGAG C ATCTGGTCCCTCT (AGG-AGC)
86	H10A	For.	AGGGACCAGATCCT GCT CATAATTTTGCAAC (CAT-GCT)
		Rev.	GTTGCAAAATTATG AGC AGGATCTGGTCCCT (ATG-AGC)
87	H11A	For.	ACCAGATCCTCAT GCT AATTTTGCAACACC (CAT-GCT)
		Rev.	GGTGTGCAAAATT AGC ATGAGGATCTGGT (ATG-AGC)
88	N12A	For.	AGATCCTCATCAT GCT TTTGCAACACCAC (AAT-GCT)
		Rev.	GTGGTGTGCAAA AGC ATGATGAGGATCT (ATT-AGC)
89	F89A	For.	ATCCTCATCATAAT GCT GCAACACCACCAAG (TTT-GCT)
		Rev.	CTTGGTGGTGTG AGC ATTATGATGAGGAT (AAA-AGC)
89	F89*	For.	ATCCTCATCATAAT TAG GCAACACCACCAAG (TTT-TAG)
		Rev.	CTTGGTGGTGTG CTA AATTATGATGAGGAT (AAA-CTA)
9293	PP92/93AA	For.	ATAATTTTGCAAC GCAGCA AGAAACTAAAG (CCA-GCA)
		Rev.	CTTTAGTTTCT TGCTGC TGTTGCAAAATTAT (TGG-TGC)

Table S2. Primers for domain swap constructs

Construct	Primer	Primer Sequence
RIC1	Fwd	GCGCGAATTCCC GCATGGCAAATGCAA
	Rev	GCGCGGTACCCGAAATCTACTCCAAACAAAGCTACTT
NIC1	Fwd	GCGCCTCGAGATGCTTGAAGCCTTGGGG
	Rev	GCGCGGTACCTTAGTGATGTTTTTGATCAGGTCC
RNN	1	RIC1 Fwd
	2	CCTCAAGAGAACTAGCCTGCAAAGTCAT
	3	GCAGGCTAGTTCTCTTGAGGCATTCATAG
	4	NIC1 Rev
NRRR	1	NIC1 Fwd
	2	CATGGAGATTACGACTTTCAAGCTTGGA
	3	TGAAAGTCGTAATCTCCATGGCCATCCC
	4	RIC1 Rev
NNNR	1	NIC1 Fwd
	2	GCGCGGTACCTTAGTTTTCTTGGTGGTGTGCAAAGTGAT GTTTTTGATCAGGTCCT
NNRR	1	NIC1 Fwd
	2	GTGCGAGCCTTTTGGACACTCTAGGATT
	3	AGTGTCCAAAAGGCTCGCACCAGAGGGA
	4	RIC1 Rev
RRN	1	RIC1 Fwd
	2	GCGCGGTACCTTAGTGATGTTTTTGATCAGGTCCTCCAG GGCTTAGTCTATGCGTATTTCCATCTTTG
RRNR	1	RIC1 Fwd
	2	GCGCGGTACCTTAGTTTTCTTGGTGGTGTGCAAAGTGAT GTTTTTGATCAGGTCCTCCAGGGCTTAGTCTATGCGTATT TCCATCTTT
NNR	1	NIC1 Fwd
	2	GCGCGGTACCTTAATTATGATGAGGATCTGGTCCCTCTG GTGCGAGCCTTTTGGACACTCTAGGATTT