

Primer	Nucleotide Sequence (5' to 3')	Direction	RE site
5' FLAG-gngt1-WT F (for nos3'UTR entry)	CCG AAG CTT CAC CAT GGA TTA CAA GGA TGA CGA CGA TAA GCC GAT CAT AGA TGT AGA A	Forward	HindIII
3' pT3TS R (for nos3'UTR entry)	CTA CTC GAG AAC CAG ATC CTA GTC AGT CA	Reverse	XhoI
gngt1 (section 1-2) F	CAG CTT AAG ACT GAG GTG AAG CTA GAA	Forward	AfIII
gngt1 (section 2-1) R	AGT CTT AAG CTG GGT TAC TTC CAT CTT	Reverse	AfIII
gngt1 (section 2-3) F	TGA GGA TCC TCT GGT CAA AGG CAT TCC A	Forward	BamHI
gngt1 (section 3-2) R	AGA GGA TCC TCA TCC GCT CCT CCT TGA	Reverse	BamHI
5' FLAG-gng2-WT F (for nos3'UTR entry)	TCC AAG CTT GCC ACC ATG GAT TAC AAG GAT GAC GAC GAT AAG GCC ACC AAC AAC ACA GCT	Forward	HindIII
gng2 (section 1-2) F	CAG CTT AAG ATG GAG GCC AAT ATT GAC	Forward	AfII
gng2 (section 2-1) R	CAT CTT AAG CTG CTC CAC CAG TTT GC	Reverse	AfII
gng2 (section 2-3) F	GGA GGA TCC CCT GCT GTC GCC CGT	Forward	BamHI
gng2 (section 3-2) R	AGG GGA TCC TCC TTG GCA TGG GCT TCG	Reverse	BamHI
5' FLAG-gng15-WT F (for nos3'UTR entry)	CCG AAG CTT GCC ACC ATG GAT TAC AAG GAT GAC GAC GAT AAG GAC GTT TAC TGC AGT AAT	Forward	HindIII
gng15 (section 1-2) F	CAG CTT AAG ATG GAG ACT GAA CTG CAG	Forward	AfII
gng15 (section 2-1) R	CAT CTT AAG CTG CTC CAC GGC TCT CCT	Reverse	AfII
gng15 (section 2-3) F	AGC GGA TCC TCT GCT CAC CGG CAT CGC	Forward	BamHI
gng15 (section 3-2) R	AGA GGA TCC GCT CTG CGG TGC TCC T	Reverse	BamHI
3' gngt1 R (CVIC->CAIL)	GGC CTC GAG TTA GAG AAT GGC ACA TCC ACC TTT CT	Reverse	XhoI
gng2 mutagenic F (CAIL->CVIC)	GTT CTT CTG TGT CAT TTG CTA ACT AGT CTC GAG -	Forward	-
gng2 mutagenic R (CAIL->CVIC)	CTC GAG ACT AGT TAG CAA ATG ACA CAG AAG AAC -	Reverse	-
5' FLAG-gngt2a F (for nos3'UTR entry)	CCG AAG CTT CAC CAT GGA TTA CAA GGA TGA CGA CGA TAA GGC CCG GGA TAT GTC CGA T	Forward	HindIII
gngt1 'translocates 1st site' mutagenic F	GTC AAA GGC ATT CCA GAG TCG GAG AAC CCG TTC AAG GAG	Forward	-
gngt1 'translocates 1st site' mutagenic R	CTC CTT GAA CGG GTT CTC CGA CTC TGG AAT GCC TTT GAC	Reverse	-
gngt1 'translocates 2nd site' mutagenic F	AAC CCG TTC AAG GAG AAA AAG TTT TTC TGT GTC ATT TGC TAA CTC GAG	Forward	-
gngt1 'translocates 2nd site' mutagenic R	CTC GAG TTA GCA AAT GAC ACA GAA AAA CTT TTT CTC CTT GAA CGG GTT	Reverse	-
gng2 'translocates 1st site' mutagenic F	GTC GCC CGT GCC TGC AGA CAA AAA CCC CTT CAG GGA GAA G	Forward	-
gng2 'translocates 1st site' mutagenic R	CTT CTC CCT GAA GGG GTT TTT GTC TGC AGG CAC GGG CGA C	Reverse	-
gng2 'translocates 2nd site' mutagenic F	AAC CCC TTC AGG GAG AAG GGC GGC TGT GCC ATC CTG TAA CTC	Forward	-
gng2 'translocates 2nd site' mutagenic R	GAG TTA CAG GAT GGC ACA GCC GCC CTT CTC CCT GAA GGG GTT	Reverse	-
gngt2a 'translocates 1st site' mutagenic F	CTC GTA AAA GGA GTT CCT GAG TCC GAA AAC CCA TTC AAG GAG AAG	Forward	-
gngt2a 'translocates 1st site' mutagenic R	CTT CTC CTT GAA TGG GTT TTC GGA CTC AGG AAC TCC TTT TAC GAG	Reverse	-
gngt2a 'translocates 2nd site' mutagenic F	AAC CCA TTC AAG GAG AAG AAG TTT TTC TGC ATA ATA ACG TAG CTC GAG	Forward	-
gngt2a 'translocates 2nd site' mutagenic R	CTC GAG CTA CGT TAT TAT GCA GAA AAA CTT CTT CTC CTT GAA TGG GTT	Reverse	-