

Coding motifs	Name	The sequences of oligonucleotides
²⁷¹ FGYTEDEIVS ²⁸⁰	WT271-281S	5'-gatccTTCGGTTACTGAAGACGAAATCGTTTCTc-3'
	WT271-281R	5'-tcgagAGAAACGATTTTCGTCTTCAGTGTAACCGAAg-3'
²⁷¹ AG YTEDEIVS ²⁸⁰	F271A-S	5'-gatcc <u>GCG</u> GTTACTGAAGACGAAATCGTTTCTc-3'
	F271A-R	5'-tcgagAGAAACGATTTTCGTCTTCAGTGTAACCG <u>C</u> Gg-3'
²⁷¹ F A YTEDEIVS ²⁸⁰	G272A-S	5'-gatccTTC <u>CG</u> TACTGAAGACGAAATCGTTTCTc-3'
	G272A-R	5'-tcgagAGAAACGATTTTCGTCTTCAGTGTA <u>CG</u> CGAAg-3'
²⁷¹ FG A TEDEIVS ²⁸⁰	Y273A-S	5'-gatccTTCGGT <u>GCG</u> ACTGAAGACGAAATCGTTTCTc-3'
	Y273A-R	5'-tcgagAGAAACGATTTTCGTCTTCAGT <u>CG</u> CACCGAAg-3'
²⁷¹ FG Y A E DEIVS ²⁸⁰	T274A-S	5'-gatccTTCGGTTA <u>C</u> CGGAAGACGAAATCGTTTCTc-3'
	T274A-R	5'-tcgagAGAAACGATTTTCGTCTTC <u>CG</u> CGTAACCGAAg-3'
²⁷¹ FG Y T A DEIVS ²⁸⁰	E275A-S	5'-gatccTTCGGTTACT <u>G</u> CGGACGAAATCGTTTCTc-3'
	E275A-R	5'-tcgagAGAAACGATTTTCGT <u>CC</u> GCAGTGTAACCGAAg-3'
²⁷¹ FG Y T E A EIVS ²⁸⁰	D276A-S	5'-gatccTTCGGTTACTGA <u>A</u> CGGAAATCGTTTCTc-3'
	D276A-R	5'-tcgagAGAAACGATTT <u>CC</u> GCTTCAGTGTAACCGAAg-3'
²⁷¹ FG Y T E D A IVS ²⁸⁰	E277A-S	5'-gatccTTCGGTTACTGAAGAC <u>G</u> CGATCGTTTCTc-3'
	E277A-R	5'-tcgagAGAAACGAT <u>CG</u> CGTCTTCAGTGTAACCGAAg-3'
²⁷¹ FG Y T E D E A VS ²⁸⁰	I278A-S	5'-gatccTTCGGTTACTGAAGACGA <u>A</u> CGGTTTCTc-3'
	I278A-R	5'-tcgagAGAAAC <u>CG</u> CTTCGTCTTCAGTGTAACCGAAg-3'
²⁷¹ FG Y T E D E I A S ²⁸⁰	V279A-S	5'-gatccTTCGGTTACTGAAGACGAAAT <u>C</u> CGTCTc-3'
	V279A-R	5'-tcgagAGAC <u>CG</u> GATTTTCGTCTTCAGTGTAACCGAAg-3'
²⁷¹ FG Y T E D E I V A ²⁸⁰	S280A-S	5'-gatccTTCGGTTACTGAAGACGAAATCGTT <u>G</u> CGc-3'
	S280A-R	5'-tcgag <u>CG</u> CAACGATTTTCGTCTTCAGTGTAACCGAAg-3'

S3 Table. The oligonucleotides encoding the truncated GapC amino-terminus and the alanine-scanning peptides. The mutational sites are shown in lowercase letters. The mutated amino acids are bold and underlined.