

Supplementary Table 1. Primers used for cloning and mutagenesis.

	Forward	Reverse
WT	5'-GCACTAGCTAGCATGGCAGTTACCGCTACGATCC-3'	5'-CCGGCTCGAGATTATTACGGAAGGCAACGGAGAA-3'
C11S	5'-GCTACGATCCTTGCACTCCTGGTGGGGCCAAAACAAC-3'	5'-GTTGTTTTGGCCCCACCAGAGGATGCAAGGATCGTAGC-3'
C158S	5'-CAGACTGCCGAACAACCTCTGATGAGCTCTTCCCGG-3'	5'-CCGGGAAGAGCTCATCAGAGAGTTGTTCCGGCAGTCTG-3'
C189S	5'-CTTGGTGCTGACTTCTGCCTCCAATTATTACGACGGAG-3'	5'-CTCCGTCGTAATAATTGGAGGCAGAAGTCAGCACCAAG-3'
C425S	5'-GGATTCAATGAAGAGTTTGTCTCCAATGACGAAGAGAGACAG-3'	5'-CTGTCTCTTTCGTCATTGGAGACAAACTTTCATTGAATCC-3'
C450S	5'-CAGACTTACATGAAAGCCTGGGACATGGTTCGG-3'	5'-CCGAACCATGTCCAGGCTTTCATGTAAGTCTG-3'