	1 ACCAAATCCACCCTATCAAACCAAAACAGTAT
BamHI	AC
2 3 uORF1	
CACGAGAAGCATCCATCAAGATGCGTTAAATCGC	TUCUATITUCUCUGITUTUTUGAACUCAAGIT
CACA ACC AAA	
4 5	
CGGTAATCGTCAACATTAAACAATTTTACGTTCC	CCCCCTCTTCGTCAACCCCTTCAGCTCTTCCT
ACC TTT	
6	
TCACAGGT <u>AGATCTG</u> AACTTCAGCACCCAGCTTC	CGTAGCTCGCGCTCAAGTTCTCTTACCCCCAC
BglII CTC	
7	8 uORF2
CGCCACCATTCACGGCCAAGACTTTCCAGTCTTC	CACC <mark>ACG</mark> GATTCCCAACAGTCAACATGGCTTC
TTT	ACA ACA
CCTCCAGTTCACCGAGCCTGCCGGCACTCTCCGC	CGCAATCACCAGCACAACAACAACAGCCACCA
CCTCCAGTTCACCGAGCCTGCCGGCACTCTCCGC	CGCAATCACCAGCACAACAACAACAGCCACCA
CCTCCAGTTCACCGAGCCTGCCGGCACTCTCCGC	
	GACCACACCGTCAACATAACCGCAACGCTCT
CTTCAGGACTTTGTCTTGTTCGATCAGCCGATCA	GACCACACCGTCAACATAACCGCAACGCTCT
CTTCAGGACTTTGTCTTGTTCGATCAGCCGATCA	AGACCACACCGTCAACATAACCGCAACGCTCT GCAACATCGTAGCCAGCATTTGTCTCCGTCTC
CTTCAGGACTTTGTCTTGTTCGATCAGCCGATCA CCAGCCTCCAACCCGAGGTATCAACCTGAATCAG	AGACCACACCGTCAACATAACCGCAACGCTCT GCAACATCGTAGCCAGCATTTGTCTCCGTCTC
CTTCAGGACTTTGTCTTGTTCGATCAGCCGATCA CCAGCCTCCAACCCGAGGTATCAACCTGAATCAG	AGACCACACCGTCAACATAACCGCAACGCTCT SCAACATCGTAGCCAGCATTTGTCTCCGTCTC
CTTCAGGACTTTGTCTTGTTCGATCAGCCGATCA CCAGCCTCCAACCCGAGGTATCAACCTGAATCAG TGCAGAACCAGCGAGTTGCAAACATTATCCAGGC	AGACCACACCGTCAACATAACCGCAACGCTCT SCAACATCGTAGCCAGCATTTGTCTCCGTCTC
CTTCAGGACTTTGTCTTGTTCGATCAGCCGATCA CCAGCCTCCAACCCGAGGTATCAACCTGAATCAG TGCAGAACCAGCGAGTTGCAAACATTATCCAGGC ACCAATCGGTACAGCTCTTCTCAGAACTCGCGTC	AGACCACACCGTCAACATAA CCGCAACGTCGTAGCCAGCATTTGTCTCCGTCTC CAACAGGGCACCAACTCACTTCTTCGGCTTTC CCGCAACAGTTCTACGCTTCCTCAGCACCTTC
CTTCAGGACTTTGTCTTGTTCGATCAGCCGATCA CCAGCCTCCAACCCGAGGTATCAACCTGAATCAG TGCAGAACCAGCGAGTTGCAAACATTATCCAGGC	AGACCACACCGTCAACATAA CCGCAACATCGTAGCCAGCATTTGTCTCCGTCTC CAACAGGGCACCAACTCACTTCTTCGGCTTTC CCGCAACAGTTCTACGCTTCCTCAGCACCTTC
CTTCAGGACTTTGTCTTGTTCGATCAGCCGATCA CCAGCCTCCAACCCGAGGTATCAACCTGAATCAG TGCAGAACCAGCGAGTTGCAAACATTATCCAGGC ACCAATCGGTACAGCTCTTCTCAGAACTCGCGTC TTCAGCTTCAATCCTGAACACTCAGAACCGCGCA	AGACCACACCGTCAACATAA CCGCAACATCGTAGCCAGCATTTGTCTCCGTCTC CAACAGGGCACCAACTCACTTCTTCGGCTTTC CCGCAACAGTTCTACGCTTCCTCAGCACCTTC ACAGCAGCGCCCTCCTGTTCCCCA MORF
CTTCAGGACTTTGTCTTGTTCGATCAGCCGATCA CCAGCCTCCAACCCGAGGTATCAACCTGAATCAG TGCAGAACCAGCGAGTTGCAAACATTATCCAGGC ACCAATCGGTACAGCTCTTCTCAGAACTCGCGTC	AGACCACACCGTCAACATAA CCGCAACATCGTAGCCAGCATTTGTCTCCGTCTC CAACAGGGCACCAACTCACTTCTTCGGCTTTC CCGCAACAGTTCTACGCTTCCTCAGCACCTTC ACAGCAGCGCCCTCCTGTTCCCCA MORF

**Supplementary Figure 6. The sequences of** *cpc1-luc* **fusion constructs used for in vitro experiments.** Mutations and selected unique restriction sites are shown below the sequence. uORF1, uORF2 and the beginning of the main ORF (mORF) are shaded gray. NCCs are shaded magenta and are numbered 1-8. The position of the introduced TAA mutation that terminates the translation from NCCs is indicated by a red box. Luciferase was placed in-frame with CPC1 at the *Xho*I site.