

**Table S2.**

Oligonucleotide sequences of primers used in cloning and sequence analysis of *Schgr-CCAPpre*, *Schgr-CCAPR-1*, *Schgr-CCAPR-2* and *Schgr-CCAPR-3*.

	<b>Forward primer</b>	<b>Reverse primer</b>
<i>Schgr-CCAPpre</i>	ACCCCCACACAGGAAGTACA	ACAGTACAGGGCAGGGTGAG
<i>Schgr-CCAPpre-nested</i>	ATGTCACGAGCCCTGCTGATG	CTACCGGCGCCACGGCTT
<i>Schgr-CCAPR-1</i>	ACCCATGGACGACCTCAA	TGTGGAGAAGAGGATGATTCC
<i>Schgr-CCAPR-1-nested</i>	<u>CACC</u> ATGGACGACCTCAATGGCA	CTAGACGATGGAGACGACAGC
<i>Schgr-CCAPR-2</i>	GTGCGTGAGTGCGTGA	CGTACTCGTGCAGCTAGAGCAC
<i>Schgr-CCAPR-2-nested</i>	<u>CACC</u> ATGGACGCCAGCGC	CTAGAGCACGGACGAGAA
<i>Schgr-CCAPR-3</i>	CCCGTCCATTGTTACCTGAC	TGACGTCGTAACATCGTCGT
<i>Schgr-CCAPR-3-nested</i>	<u>CAC</u> ATGGGGCCATGGAG	CTGCGTCAGACGGCCGACGTG

Abbreviations: *Schgr*: *Schistocerca gregaria* CCAPpre = crustacean cardioactive peptide precursor, CCAPR = crustacean cardioactive peptide receptor. A partial Kozak sequence (CACC) was added to the 5' end of the forward primers of *Schgr-CCAPR-1-nested*, *Schgr-CCAPR-2-nested*, *Schgr-CCAPR-3-nested* to allow initiation of translation in mammalian cells.