

Table S1. Primers with restriction enzymes used for cloning

Gene	Forward Primer (5'-3')	Reverse Primer (5'-3')
<i>Al-crus 3</i>	TTCGCCCAACCAGGATTCGG	TGTGCAAACCTGCCATCATATAA
<i>Al-crus 7</i>	ATGCAAGAAGGTGCTCAAG	ACTTGGCTTCGGGCGTTAA

Table S2. The similarities between Al-crus 3, Al-crus 7 and WAP domain-containing protein/peptides in crustaceans

Species		Accession no.	identity	
			Al-crus 3	Al-crus 7
Palaemonidae	<i>Macrobrachium nipponense</i>	QIV66989	63%	56%
		QEQ76263	52%	63%
	<i>Macrobrachium rosenbergii</i>	AFO68120	-	67%
		AGF92153	-	66%
		ANH22232	-	60%
		ACU25385	59%	64%
	<i>Panulirus japonicus</i>	ACU25382	59%	63%
		ACU25383	57%	-
		AGU01545	54%	66%
		BBD52151	-	63%
	<i>Penaeus vannamei</i>	BBC42585	-	63%
		QOL09968	59%	65%
		ROT79125	59%	-
		AAL36891	57%	-
		QOL09962	56%	68%
		AAL36892	55%	58%
		ROT79124	55%	56%
		AAS59735	55%	-
		AAL36894	55%	-
		AAL36893	54%	-
		AAL36895	54%	-
		AYM00403	52%	-
	<i>Penaeus paulensis</i>	QOL09958	-	64%
		ABM63361	57%	58%
		ADF80918	-	58%
	<i>Penaeus subtilis</i>	ABO93323	55%	58%
	<i>Penaeus setiferus</i>	AAL36897	55%	-
	<i>Panulirus brasiliensis</i>	ABQ96197	54%	59%
	<i>Penaeus schmitti</i>	ABM63362	54%	-
Nephropidae	<i>Neocaridina heteropoda</i>	AYP74901	56%	58%
	<i>Homarus americanus</i>	KAG7170693	-	82%