

Supplementary Material

1 Supplementary Tables

Table S1: Nucleotide sequences of primers and dsRNAs used

	Sequence (5'-3')	Usage
ILPR-F	ACAACAAGAGCCATTAAGC	cDNA fragment cloning
ILPR-R	GCAAGTTATGTCCGAGTATT	
ILPR 3'-F	TGCTTACTTGGTCATAC	3'-RACE
ILPR 3'-R	CGCAATCAACAAGCAGAG	
ILPR 5'-F	GCCATTAGAACGACAGACA	5'-RACE
ILPR 5'-R	TCTTACAGACGGCACCAT	
RT-ILPR-F	GGTGGAGATCACTGACTATC	Real-time PCR
RT-ILPR-R	CTCCACGCTGAATAACTGT	
RT-Vg1-F	CACCTGCGACTGAACCTAAA	qPCR for <i>Vg1</i>
RT-Vg1-R	CAAGACGCTCAAGCAACATG	
RT-Vg2-F	GAGTCAGGCTTGCTATGG	qPCR for <i>Vg2</i>
RT-Vg2-R	GTGGATTCAATTACGGTCTAAG	
RT-CtsL1-like-F	GTATCTACTTACATACGCTGAC	qPCR for CtsL1-like
RT-CtsL1-like-R	AGTCCGAATAATGAGATGCT	
RT-FS-F	CTTGTCTGATGCGTGGAA	qPCR for FS
RT-FS-R	ATATAGGCGATACTGACTGAC	
RT-β-actin F	GCCAGTTGCTCGTTACAG	qPCR for β-actin
RT-β-actin R	GCCAACAATAGATGGGAAT	
negative control- sense	UUCUUCGAACGUGUCACGUUTT	RNA interference
negative control- antisense	ACGUGACACGUUCGGAGAATT	
SjILPR siRNA1- sense	GCAAGUUUAUGUCCGAGUAUTT	RNA interference
SjILPR siRNA1- antisense	AUACUCGGACAUACUUGCTT	
SjILPR siRNA2- sense	GCUGGCUACAUUGAAGAUATT	RNA interference
SjILPR siRNA2- antisense	UAUCUCAAUGUAGCCAGCTT	

Table S2. Accession numbers to the sequences in Multiple sequence alignment

Gene	Species	Accession numbers
<i>SjILPR</i>	<i>Sepiella japonica</i>	MK611806
<i>ObILPR</i>	<i>Octopus bimaculoides</i>	XP014780880.1
<i>LsMIPR</i>	<i>Lymnaea stagnalis</i>	CAA59353.1
<i>BgIR</i>	<i>Biomphalaria glabrata</i>	AAF31166.1
<i>PfIRR</i>	<i>Pinctada fucata</i>	AGA94627.1
<i>AaIR</i>	<i>Aedes aegypti</i>	AAB17094.1
<i>BlILPR</i>	<i>Branchiostoma lanceolatum</i>	AAB50848.1
<i>HsINS</i>	<i>Homo sapiens</i>	AAA59174.1

Table S3. List of accession numbers and identity of IRs from other species with *SjILPR*

Species	Accession numbers	Identities (%)
<i>Sepiella japonica</i>	MK611806	100
<i>Octopus bimaculoides</i>	XP014780880.1	67.3
<i>Lymnaea stagnalis</i>	CAA59353.1	39.2
<i>Biomphalaria glabrata</i>	AAF31166.1	36.6
<i>Pinctada fucata</i>	AGA94627.1	46.7
<i>Aedes aegypti</i>	AAB17094.1	35.6
<i>Branchiostoma lanceolatum</i>	AAB50848.1	41.6
<i>Homo sapiens</i>	AAA59174.1	40.7

Table S4. Summary of functional annotation of unigenes.

Database	Number.of.Unigenes	Percentage (%)
Annotated in NR	25602	24.82
Annotated in NT	8201	7.95
Annotated in KO	12276	11.9
Annotated in SwissProt	17718	17.18
Annotated in PFAM	28190	27.33
Annotated in GO	28190	27.33
Annotated in KOG	6637	6.43
Annotated in all Databases	2013	1.95
Annotated in at least one Database	37171	36.04
Total Unigenes	103117	100

Unigene Length Distribution

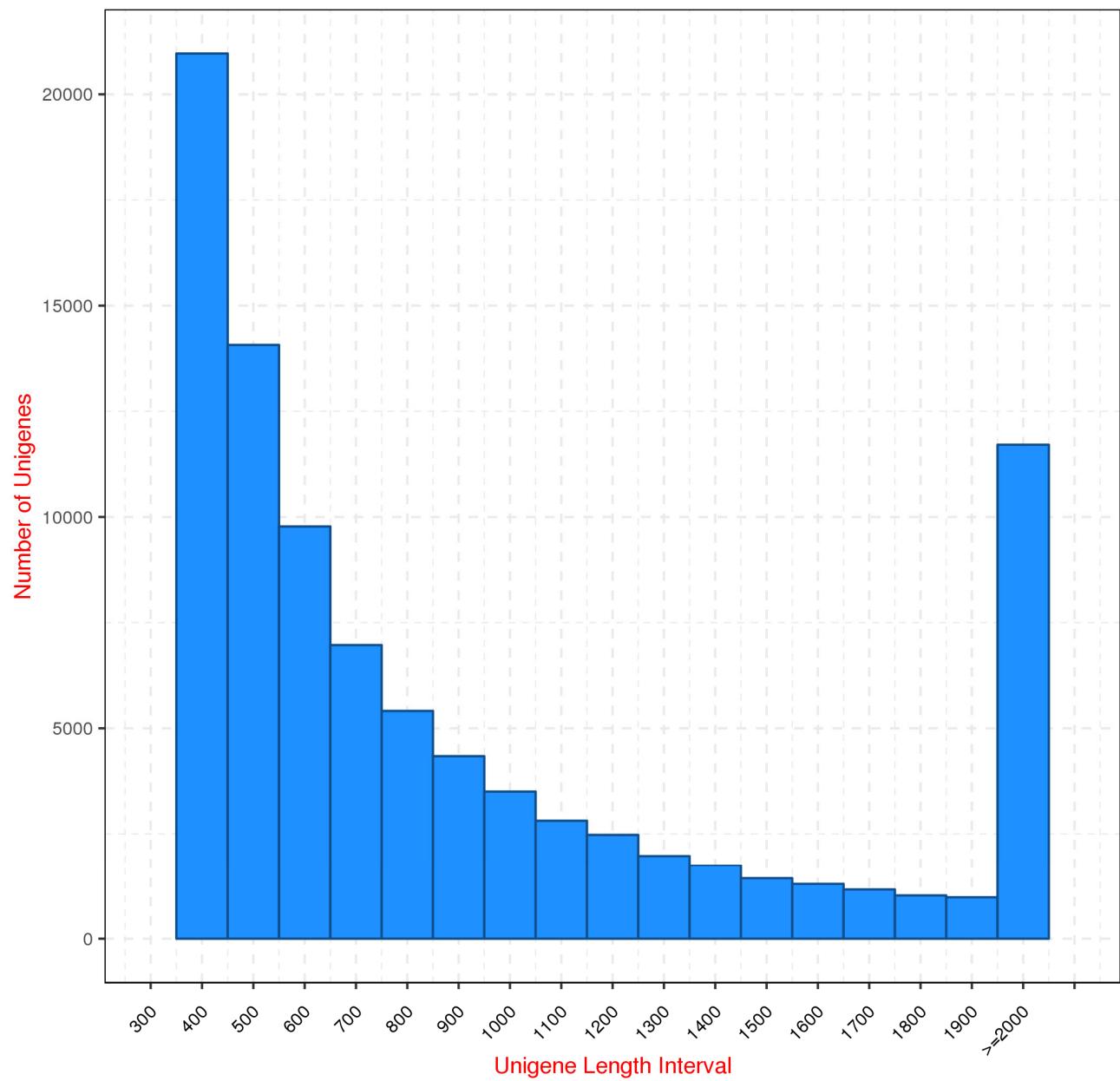


Figure S1. Length distribution of all-unigenes.