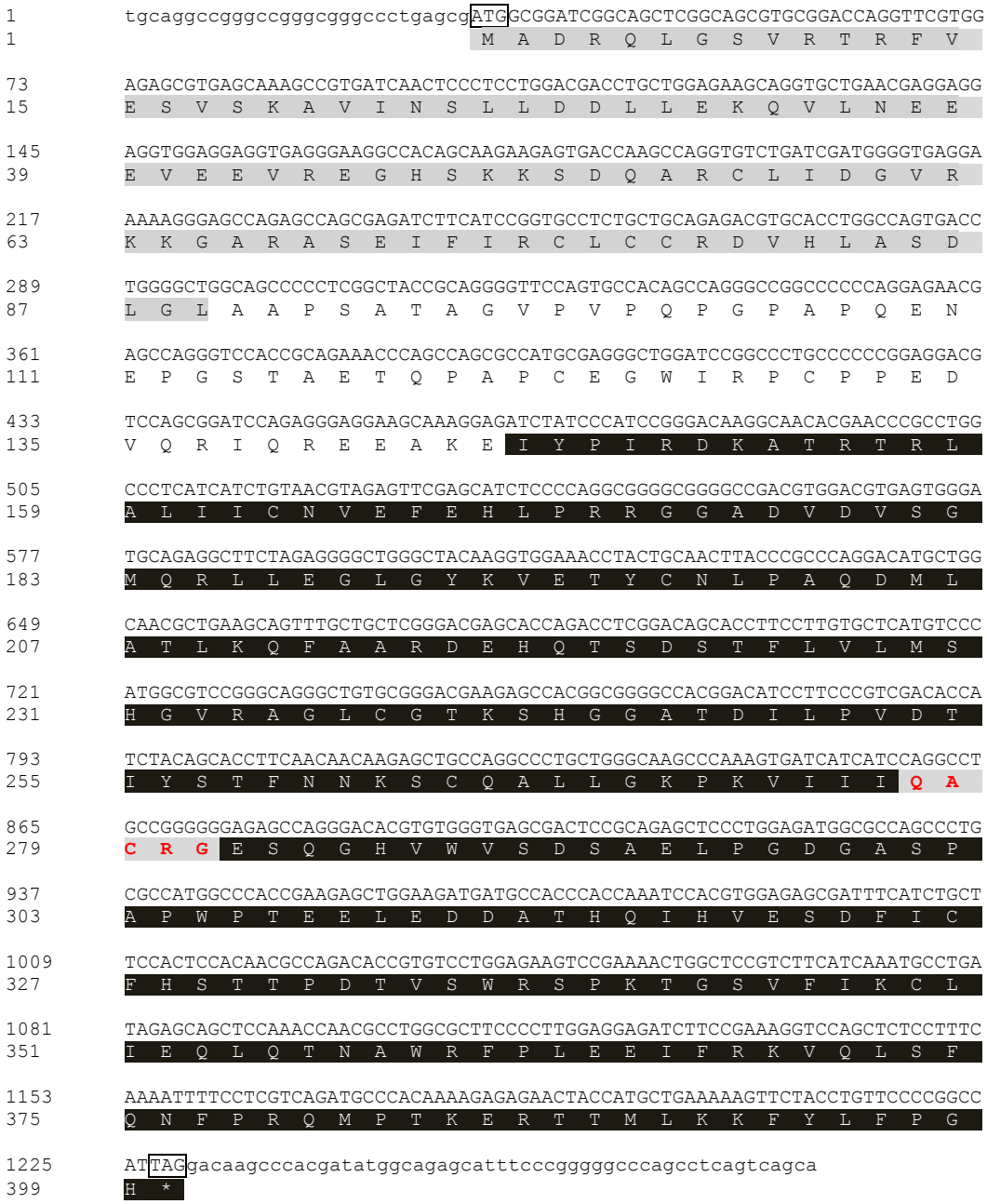

Figure S1. Nucleotide and amino acid sequence of partial cDNA of P. sinensis caspase-1. The start and stop codons are boxed, CARD domain of caspase-1 is highlighted in grey and CASCs domain is highlighted in black. The caspase-1 pentapeptide active-site motif sequence QACRG is highlighted in red.

Table S1. PCR primers.

Primers	Nucleotide sequence(5'–3')	Application(s)
tIL-1β-deg-F1	CAATCTCTACATGTCYTG	Amplifying intermediate fragments
tIL-1β-deg-F1	GGGGAAACCGGCMS	
tIL-1-R1	CGAACTGGGTGGTGTCCCCGCTCT	5′Race
tIL-1-R2	GCATGGGCTGCTGGCCGTTGTG	
GeneRacer 5′Primer	CGACTGGAGCACGAGGACACTGA	
GeneRacer 5′ nested Primer	GGACACTGACATGGACTGAAGGAGTA	
tIL-1-F1	CAGAGGCCCCGAGCTGGAGCGTT	3′Race
tIL-1-F2	GAGCGGGGACACCACCCAGTTCGA	
GeneRacer 3′Primer	GCTGTCAACGATACGCTACGTAACG	
GeneRacer 3′ nested Primer	CGCTACGTAACGGCATGACAGTG	
tcas-1-cF	CCTGAGCGATGGCGGATCGGCA	Tcaspase-1 cloning
tcas -1-cR	CGTGGGCTTGTCCTAATGGCCGG	
tIL-1-cF	CACATATGGCAGCTGTCCCCGACAT	t-IL-1beta precursor cloning
tIL-1-cR	TATCTCGAGGTGCTTGGCCTGCGTGAGCA	
tIL-1-g1F	GGGCCAGCACTCGCATCACA	Gene organization
tIL-1-g1R	CCGGGGGCTCAGTGCTTGGC	
tIL-1-g2F	ATCACAGGTTTCACCACCAGACGCAGCCAT	
tIL-1-g2R	TGCGTGAGCAGGTAGTTGGTGATGAACACC	
tIL-1-Flag-F	CTCGGATCCCAGGTTTCACCACCAGACGCAGCC	pcDNA3-tIL-1β-Flag
tIL-1-Flag-R	TATCTCGAGGTGCTTGGCCTGCGTGAGCAGGTAG	
tCasp1-HA-F	ATTAAAGCTTGCCACCATGTACCCATACGATGTTCCAGATTACG CTGCGGATCGGCAGCTCGGC	pcDNA3-tcasp1-HA
tCasp1-HA-R	TAATCTCGAGCTAATGGCCGGGGAACAGG	
rtIL-1-F	AATCATATGTACCGCTACCTCCGCTCCAT	Cloning of tIL-1β (Y118-276H) C terminal into pET32a
rtIL-1-R	TATCTCGAGGTGCTTGGCCTGCGTGAGCA	
tIL-1β-Bac-F	ACATTTCTTACATCTATGCGATGGCAGCTGTCCCCGACATGC	Cloning of tIL-1β into pFastBacHT-melittin
tIL-1β-Bac-R	CTCTAGTACTTCTCGACAAGCTTTAATGGTGATGGTGATGGTGA TGGTGCTTGGCCTGCGTGAGC	
tIL-1β-Bac-131-F	ACATTTCTTACATCTATGCGATGACTGACCAGAAGTGCTTCAAG	Cloning of tIL-1β (131–277) into pFastBacHT-melittin
tIL-1β-Bac-131-R	CTCTAGTACTTCTCGACAAGCTTTAATGGTGATGGTGATGGTGA TGGTGCTTGGCCTGCGTGAGC	
tIL-1-qF	CTTCTCGGACAATGACTT	IL-1β Q-RT-PCR
tIL-1-qR	GTAGCGGTAGATGGAATT	
COX-2-qF	TTGACCGATATGAATGTG	COX-2 Q-RT-PCR
COX-2-qR	AATGAGTGAGGATGTAGT	
IL-18-qF	GGTAGACAACAAGACTTAC	IL-18 Q-RT-PCR
IL-18-qR	CTCGCATTAGTGAAGATT	
tCasp-1-qF	ATCTTCCGAAAGGTCCAG	tCASP-1 Q-RT-PCR
tCasp-1-qR	TTCAGCATGGTAGTTCTCT	
β-actin-qF	GAGACCCGACAGACTACCT	β-actin Q-RT-PCR
β-actin-qR	AGGATGATGAAGCAGCAGT	