

1 GGTGGTGAACATCATCATTGCTGTGGAAAGATTGAAGCACATCAAAGTGATGTCTTCTGA
1 V V N I I I A V E R L K H I K V M S S D
61 CAAGATTGTGAAGCTGCGCTGCTCAACTTCTTCTGGAGAATGTGATCGAAGAGCGTCT
21 K I C E A A L L N F F L E N V I E E R

Figure S1. The partial nucleotide sequence of *IL-1 β* gene and the deduced amino acids sequence of *Schizothorax prenanti*.

1 TGTCTGCTTCACGCTCAACAAGTCTCAGAACAATCAGGAAGGTGGAAATGAGCTCAGGCT
1 V C F T L N K S Q N N Q E G G N E L R L
61 CACATTAAGAGATCATCTTTCAAAAGAAAATGCCACTTCCAAGGCTGCCATCCATT
21 T L R D H L S K E N A T S K A A I H

Figure S2. The partial nucleotide sequence of *TNFA* gene and the deduced amino acids sequence of *Schizothorax prenanti*.

1 AACTTTCAGACGTGTTTTGCGTGCTGTCACTCAAACACTACTGGACAGGAGGAAGAGGTCTT
1 N F Q T C F A C C H S N Y W T G G R G L
61 TGGTGTCAACATGGGGACAGATTTTGAGCAAA
21 W C H H G D R F * A

Figure S3. The partial nucleotide sequence of *IL-6* gene and the deduced amino acids sequence of *Schizothorax prenanti*.

Table S1. The similarity of predicted amino acid sequences of *Schizothorax prenanti* *IL-1 β* to other fish.

Species	Amino Acid Sequence Similarity	GenBank Accession No.
<i>Carassius auratus</i>	87%	AGU42184.1
<i>Cyprinus carpio</i>	79%	CAB52366.1
<i>Ctenopharyngod idella</i>	56%	AER38414.2
<i>Danio rerio</i>	46%	CAR66436.1
<i>Ictalurus punctatus</i>	45%	CAE51868.1
<i>Dicentrarchus labrax</i>	44%	CAC41006.1
<i>Chionodraco hamatus</i>	38%	CAD92853.1

Table S2. The similarity of predicted amino acid sequences of *Schizothorax prenanti* TNF α to other fish.

Species	Amino Acid Sequence Similarity	GenBank Accession No.
<i>Percocypris pingi</i>	94%	AIN25992.1
<i>Carassius auratus</i>	92%	AIL81467.1
<i>Cyprinus carpio</i>	92%	AFQ20281.1
<i>Cirrhinus mrigala</i>	84%	AGE13928.1
<i>Pimephales promela</i>	76%	AFG17065.1
<i>Ctenopharyngod idella</i>	74%	ABU88424.1
<i>Danio rerio</i>	68%	AAR06286.1
<i>Megalobrama amblycephala</i>	66%	AII20593.1

Table S3. The similarity of predicted amino acid sequences of *Schizothorax prenanti* IL-6 to other fish.

Species	Amino Acid Sequence Similarity	GenBank Accession No.
<i>Sinocyclocheilus rhinoceros</i>	97%	XM016520587.1
<i>Sinocyclocheilus grahami</i>	92%	XM016267780.1
<i>Cyprinus carpio</i>	89%	LN590989.1
<i>Danio rerio</i>	79%	NM001330258.1