

Table S2 Accession numbers of defensins used in the alignment and phylogenetic analysis.

Species		Gene	Accession number
<i>Sparus aurata</i>	Perciformes	Beta-defensin	FM158209
<i>Sparus aurata</i>	Perciformes	Beta-defensin-like 2	ENSSAUT00010069764.1
<i>Epinephelus coioides</i>	Perciformes	Beta-defensin	AET25528
<i>Argyrosomus regius</i>	Perciformes	Beta-defensin	ASW20415
<i>Lates calcarifer</i>	Perciformes	Beta-defensin-like 1	ENSLCAT00010056645.1
<i>Lates calcarifer</i>	Perciformes	Beta-defensin-like 2	ENSLCAT00010013452.1
<i>Larimichthys crocea</i>	Perciformes	Beta-defensin-like 1	ENSLCRT00005005151.1
<i>Larimichthys crocea</i>	Perciformes	Beta-defensin-like 2	ENSLCRT00005035395.1
<i>Oreochromis niloticus</i>	Cichliformes	Beta-defensin 1	AGW83444
<i>Paramisgurnus dabryanus</i>	Cypriniformes	Beta-defensin 1	AGK65596
<i>Paramisgurnus dabryanus</i>	Cypriniformes	Beta-defensin 2	AGH10110
<i>Cyprinus carpio</i> L.	Cypriniformes	Beta-defensin 3	AGZ03658
<i>Danio rerio</i>	Cypriniformes	Beta-defensin-like 1	NP_001075022
<i>Danio rerio</i>	Cypriniformes	Beta-defensin-like 2	NP_001075023
<i>Danio rerio</i>	Cypriniformes	Beta-defensin-like 3	NP_001075024
<i>Ctenopharyngodon idella</i>	Cypriniformes	Beta-defensin 3	AQY18997
<i>Carassius auratus</i>	Cypriniformes	Beta-defensin-like 3	ENSCART00000074063.1
<i>Gadus morhua</i>	Gadiformes	Beta-defensin	AEB69787
<i>Salmo salar</i>	Salmoniformes	Beta-defensin 1a	QIX04703
<i>Salmo salar</i>	Salmoniformes	Beta-defensin 2	QIX04705
<i>Salmo salar</i>	Salmoniformes	Beta-defensin 3	QIX04706
<i>Salmo salar</i>	Salmoniformes	Beta-defensin 4	QIX04707
<i>Salmo salar</i>	Salmoniformes	Beta-defensin 5a	QIX04708
<i>Oncorhynchus mykiss</i>	Salmoniformes	Beta-defensin 1	CAK54950
<i>Oncorhynchus mykiss</i>	Salmoniformes	Beta-defensin 2	CAR82090
<i>Oncorhynchus mykiss</i>	Salmoniformes	Beta-defensin 3	CAR82091
<i>Oncorhynchus mykiss</i>	Salmoniformes	Beta-defensin 4	CAR82092
<i>Takifugu rubripes</i>	Tetraodontiformes	Beta-defensin-like 1	CAJ57646
<i>Tetraodon nigroviridis</i>	Tetraodontiformes	Beta-defensin-like 1	CAJ57644
<i>Tetraodon nigroviridis</i>	Tetraodontiformes	Beta-defensin-like 2	CAJ57645
<i>Paralichthys olivaceus</i>	Pleuronectiformes	Beta-defensin 1	ADA84138
<i>Paralichthys olivaceus</i>	Pleuronectiformes	Beta-defensin 3	ADA84140
<i>Paralichthys olivaceus</i>	Pleuronectiformes	Beta-defensin 4	ADA84141
<i>Scophthalmus maximus</i>	Pleuronectiformes	Beta-defensin-like 1	ENSSMAT00000025713.1
<i>Scophthalmus maximus</i>	Pleuronectiformes	Beta-defensin 2	MW648585
<i>Ictalurus punctatus</i>	Siluriformes	Beta-defensin	APU66342
<i>Oplegnathus fasciatus</i>	Centrarchiformes	Beta-defensin	AJA33388
<i>Siniperca chuatsi</i>	Centrarchiformes	Beta-defensin	ACO88907
<i>Oryzias latipes</i>	Beloniformes	Beta-defensin	ACG55699
<i>Liza haematocheila</i>	Mugiliformes	Beta-defensin	AIK66783
<i>Acipenser dabryanus</i>	Acipenseriformes	Beta-defensin	QBJ27760
<i>Seriola lalandi</i>	Carangiformes	Beta-defensin-like 1	ENSSLDT00000023067.1
<i>Seriola lalandi</i>	Carangiformes	Beta-defensin-like 2	ENSSLDT00000026660.1
<i>Mus musculus</i>	Rodentia	Beta-defensin 1	AAB72003
<i>Mus musculus</i>	Rodentia	Beta-defensin 4	NP_062702
<i>Homo sapiens</i>	Primates	Beta-defensin 1	AAB49758
<i>Homo sapiens</i>	Primates	Beta-defensin 2	AAC33549
<i>Ovis aries</i>	Artiodactyla	Beta-defensin 1	DAB41723

<i>Gallus gallus</i>	Galliformes	Beta-defensin 1	AAT48925
<i>Bothrops jararaca</i>	Squamata	Beta-defensin 2	AGF25387
<i>Crassostrea gigas</i>	Ostreida	Beta-defensin 1	AEE92768
<i>Homo sapiens</i>	Primates	Alpha-defensin 1	NP_004075
<i>Mus musculus</i>	Rodentia	Alpha-defensin 1	NP_034161
<i>Papio anubis</i>	Primates	Theta-defensin a	ACJ12913