

**Table S1** Accession numbers of vertebrate beta-defensin genes.

Species	Order	Gene	Accession number
<i>Dicentrarchus labrax</i>	Perciformes	Beta-defensin 1	CBXY010003646
<i>Dicentrarchus labrax</i>	Perciformes	Beta-defensin 2	CBXY010003659
<i>Sparus aurata</i>	Perciformes	Beta-defensin-like 2	ENSSAUG00010026539
<i>Epinephelus coioides</i>	Perciformes	Beta-defensin	JN698964
<i>Oreochromis niloticus</i>	Cichliformes	Beta-defensin 1	KJ577575
<i>Paramisgurnus dabryanus</i>	Cypriniformes	Beta-defensin 1	KC494302
<i>Paramisgurnus dabryanus</i>	Cypriniformes	Beta-defensin 2	KC261302
<i>Tetraodon nigroviridis</i>	Tetraodontiformes	Beta-defensin-like 1	BN000873
<i>Tetraodon nigroviridis</i>	Tetraodontiformes	Beta-defensin-like 2	BN000874
<i>Onchorhynchus mykiss</i>	Salmoniformes	Beta-defensin 1	FN545575
<i>Onchorhynchus mykiss</i>	Salmoniformes	Beta-defensin 2	FN545576
<i>Onchorhynchus mykiss</i>	Salmoniformes	Beta-defensin 3	FN545577
<i>Homo sapiens</i>	Primates	Beta-defensin 2	AF040153
<i>Mus musculus</i>	Rodentia	Beta-defensin 4	AF288371
<i>Ovis aries</i>	Artiodactyla	Beta-defensin 1	BK010312
<i>Gallus gallus</i>	Galliformes	Beta-defensin 1	AY621316
<i>Bothrops jararaca</i>	Squamata	Beta-defensin	KC117163