

Supplementary Table 1: List of sequences used in phylogenetic analysis

Species *	Accession number
<i>Danio rerio</i> (E)	ENSDARG00000079938
	ENSDARG00000031776
	ENSDARG00000078342
	ENSDARG00000015551
	ENSDARG00000073936
<i>Gasterosteus aculeatus</i> (E)	ENSGACP00000007931
	ENSGACP00000007905
	ENSGACP00000020445
<i>Tetraodon nigroviridis</i> (E)	ENSTNIG00000011144
	ENSTNIG00000004260
<i>Takifugu rubripes</i> (E)	ENSTRUG00000014292
	ENSTRUG00000017266
<i>Oryzias latipes</i> (E)_	ENSORLG00000016761
	ENSORLG00000005872
<i>Oreochromis niloticus</i> (E)	ENSONIG00000006516
	ENSONIG00000002989
<i>Xiphophorus maculatus</i> (E)	ENSXMAG00000008596
	ENSXMAG00000018294
<i>Salmo salar</i> (U)	P49946
	P49947
<i>Trematomus bernacchii</i> (U)	P85838
	P85836
	P85839
<i>Trematomus newnesi</i> (U)	P85837
	P85835
<i>Dicentrarchus labrax</i> (G)	ACN80998.1
<i>Scophthalmus maximus</i> (G)	ADI24353.1
	ADI24354.1
<i>Pseudosciaena crocea</i> (G)	ACY75475.1
	ACY75476.1
<i>Sciaenops ocellatus</i> (G)	ADF80517.1
<i>Oncorhynchus mykiss</i> (G)	NP_001118019.1
	NP_001118020.1
	NP_001118021.1
<i>Xenopus tropicalis</i> (E)	ENSXETG00000021234
	ENSXETG00000006737
	ENSXETG00000021237

	ENSXETG00000021236
<i>Taeniopygia guttata</i> (E)	ENSTGUG00000005949
	ENSTGUG00000015659
<i>Homo sapiens</i> (U)	P02794
	P02792
<i>Mus musculus</i> (U)	P09528
	P29391
<i>Rattus norvegicus</i> (U)	P19132
	P02793
<i>Bos taurus</i> (U)	O46414
	O46415
<i>Equus caballus</i> (U)	Q8MIP0
	P02791
<i>Canis familiaris</i> (U)	Q95MP7
	Q53VB8
<i>Sus scrofa</i> (E)	ENSSSCP00000003417
	ENSSSCP00000026601
<i>Petromyzon marinus</i> (U)	AAN63033

*Database source: E – Ensembl, U – UniProt/SwissProt, G – GenBank