

Table S4: Putative α and β globin genes from teleosts and *Xenopus tropicalis* used to generate phylogenetic trees

Species	Ensembl gene ID	Assigned globin name	Chromosome/Linkage group	Start position	Stop Position	Strand
<i>Gasterosteus aculeatus</i>	ENSGACG00000013869	GacGroupXIa1	groupXI	13640461	13641149	pos
<i>Gasterosteus aculeatus</i>	ENSGACG00000013871	GacGroupXIb1	groupXI	13642596	13643293	neg
<i>Gasterosteus aculeatus</i>	ENSGACG00000013873	GacGroupXIa2	groupXI	13644467	13645155	pos
<i>Gasterosteus aculeatus</i>	ENSGACG00000013876	GacGroupXIb2	groupXI	13646453	13647149	neg
<i>Gasterosteus aculeatus</i>	ENSGACG00000013880	GacGroupXIa3	groupXI	13649883	13650298	pos
<i>Gasterosteus aculeatus</i>	ENSGACG00000013882	GacGroupXIb3	groupXI	13651607	13652304	neg
<i>Gasterosteus aculeatus</i>	ENSGACG00000013889	GacGroupXIa4	groupXI	13653435	13654112	pos
<i>Gasterosteus aculeatus</i>	ENSGACG00000013891	GacGroupXIb4	groupXI	13655329	13656035	neg
<i>Gasterosteus aculeatus</i>	ENSGACG00000013895	GacGroupXIb5	groupXI	13659406	13660115	neg
<i>Gasterosteus aculeatus</i>	ENSGACG00000013902	GacGroupXIa5	groupXI	13661206	13661964	pos
<i>Gasterosteus aculeatus</i>	ENSGACG00000013918	GacGroupXIb6	groupXI	13662623	13663375	neg
<i>Danio rerio</i>	ENSDARG00000069734	DreChr3b1	3	53994984	53995703	neg
<i>Danio rerio</i>	ENSDARG00000069735	DreChr3a1	3	53997339	53998149	pos
<i>Danio rerio</i>	ENSDARG00000077603	DreChr3b2	3	54002211	54003026	neg
<i>Danio rerio</i>	ENSDARG00000079078	DreChr3a2	3	54003866	54009713	pos
<i>Danio rerio</i>	ENSDARG00000078255	DreChr3b3	3	54007199	54008014	neg
<i>Danio rerio</i>	ENSDARG00000069747	DreChr3b4	3	54017851	54035806	pos
<i>Danio rerio</i>	ENSDARG00000077925	DreChr3a3	3	54024137	54024820	neg
<i>Danio rerio</i>	ENSDARG00000075934	DreChr3a4	3	54031030	54042878	neg
<i>Danio rerio</i>	ENSDARG00000079305	DreChr3a5	3	54050356	54051485	neg
<i>Danio rerio</i>	ENSDARG00000045142	DreChr12a1	12	19434748	19435868	neg
<i>Danio rerio</i>	ENSDARG00000045143	DreChr12b1	12	19437688	19438419	pos
<i>Danio rerio</i>	ENSDARG00000038147	DreChr12b2	12	19447742	19448842	pos
<i>Danio rerio</i>	ENSDARG00000045144	DreChr12a2	12	19451012	19452198	neg
<i>Tetraodon nigroviridis</i>	ENSTNIG00000018576	TniChr3a1	3	12162065	12163192	pos
<i>Tetraodon nigroviridis</i>	ENSTNIG00000018577	TniChr3a2	3	12165258	12166008	pos
<i>Tetraodon nigroviridis</i>	ENSTNIG00000012914	TniChr2a1	2	5887493	5888390	neg
<i>Tetraodon nigroviridis</i>	ENSTNIG00000012912	TniChr2a2	2	5891745	5893323	neg
<i>Oryzias latipes</i>	ENSORLG00000005210	OlaChr8a1	8	8382315	8408350	neg
<i>Oryzias latipes</i>	ENSORLG00000005230	OlaChr8b1	8	8384089	8409968	pos
<i>Oryzias latipes</i>	ENSORLG00000005248	OlaChr8b2	8	8388874	8389479	neg
<i>Oryzias latipes</i>	ENSORLG00000005267	OlaChr8a2	8	8390431	8391008	pos
<i>Oryzias latipes</i>	ENSORLG00000005283	OlaChr8b3	8	8404752	8405453	neg
<i>Oryzias latipes</i>	ENSORLG00000005297	OlaChr8a3	8	8411256	8412025	neg
<i>Oryzias latipes</i>	ENSORLG00000002990	OlaChr19a1	19	1478030	1480828	pos
<i>Oryzias latipes</i>	ENSORLG00000003020	OlaChr19b1	19	1484415	1562342	neg
<i>Oryzias latipes</i>	ENSORLG00000003046	OlaChr19a2	19	1486753	1487847	pos
<i>Xenopus tropicalis</i>	ENSXETG000000024628	XtrScaffold_733b1	scaffold_733	222200	223401	pos
<i>Xenopus tropicalis</i>	ENSXETG000000011556	XtrScaffold_733b2	scaffold_733	295422	296469	pos
<i>Xenopus tropicalis</i>	ENSXETG000000024627	XtrScaffold_733b3	scaffold_733	308259	309374	pos
<i>Xenopus tropicalis</i>	ENSXETG000000024626	XtrScaffold_733b4	scaffold_733	334930	336634	pos
<i>Xenopus tropicalis</i>	ENSXETG000000025667	XtrScaffold_357b1	scaffold_357	931132	932667	neg
<i>Xenopus tropicalis</i>	ENSXETG000000025664	XtrScaffold_357a1	scaffold_357	939457	940502	neg
<i>Xenopus tropicalis</i>	ENSXETG000000025663	XtrScaffold_357a2	scaffold_357	952535	956311	neg
<i>Xenopus tropicalis</i>	ENSXETG000000001141	XtrScaffold_357a3	scaffold_357	973850	975539	neg
<i>Xenopus tropicalis</i>	ENSXETG000000025662	XtrScaffold_357a4	scaffold_357	1003882	1005964	neg
<i>Xenopus tropicalis</i>	ENSXETG000000025661	XtrScaffold_357a5	scaffold_357	1015409	1016929	neg
<i>Xenopus tropicalis</i>	ENSXETG000000001139	XtrScaffold_357a6	scaffold_357	1031753	1032272	neg
<i>Xenopus tropicalis</i>	ENSXETG000000001137	XtrScaffold_357a7	scaffold_357	1133361	1134743	neg
<i>Oncorhynchus mykiss</i>	GenBank: AB015448	Omya2emb	Unknown	Unknown	Unknown	Unknown
<i>Oncorhynchus mykiss</i>	GenBank: AB105449	Omya1emb	Unknown	Unknown	Unknown	Unknown
<i>Oncorhynchus mykiss</i>	GenBank: AB015450	Omyb1emb	Unknown	Unknown	Unknown	Unknown
<i>Oncorhynchus mykiss</i>	GenBank: AB015451	Omyb2emb	Unknown	Unknown	Unknown	Unknown