

Table S1: Supplementary material: Finn and Kristoffersen

Accession numbers of sequences and taxa used in the analyses

Accession # (NCBI / Ensembl)	Database ID	Classified		Order	Animal	Species	Length		Source
		homologue	Rank/Class				bp	aa	
1 HUMAPOBB	apo-B100	apoB100	Eutheria	Primates	Human	<i>Homo sapiens</i>	13,689	4,563	Law et al. (1986)
2 ENSGALP00000026550	apo-B100	apoB100	Aves	Galliformes	Chicken	<i>Gallus gallus</i>	12,267	4,089	Ensembl (2006)
3 D89547	Vit1	vtgAB1			Chicken	<i>Gallus gallus</i>	5,736	1,912	Mabuchi et al. (1999)
4 NM_001031276	vtgII	vtgAB2			Chicken	<i>Gallus gallus</i>	5,550	1,850	van het Schip et al. (1999)
5 ENSGALT0000002890	novel	vtgAB3			Chicken	<i>Gallus gallus</i>	5,058	1,686	Ensembl (2006)
6 AY045719	vitellogenin	vtgAB		Charadriiformes	Herring gull	<i>Larus argentatus</i>	5,496	1,832	Lorenzen et al. (2001)
7 AAH54229	apo-B100	apoB100	Amphibia	Anura	African clawed frog	<i>Xenopus laevis</i>	1,311	437	Klein et al. (2002)
8 M18061	vtgA2	vtgABa			African clawed frog	<i>Xenopus laevis</i>	5,421	1,807	Gerber-Huber et al. (1987); Nardelli et al. (1987)
9 AB092605	vtgB1	vtgABb			African clawed frog	<i>Xenopus laevis</i>	5,451	1,817	Yoshitome et al. (2003)
10 NEWSINFRUP00000127842	apo-B100	apoB100	Acanthopterygii	Tetraodontiformes	Torafugu	<i>Takifugu rubripes</i>	11,145	3,715	Ensembl (2006)
11 NEWSINFRUP00000179080	novel	vtgAb			Torafugu	<i>Takifugu rubripes</i>	5,274	1,758	Ensembl (2006)
12 NEWSINFRUP00000131263	novel	vtgC			Torafugu	<i>Takifugu rubripes</i>	3,594	1,198	Ensembl (2006)
13 hhvtgAa1	vtgAa1	vtgAa		Pleuronectiformes	Atlantic halibut	<i>Hippoglossus hippoglossus</i>	4,899	1,633	Finn et al. (2006)
14 hhvtgAb1	vtgAb1	vtgAb			Atlantic halibut	<i>Hippoglossus hippoglossus</i>	4,941	1,647	Finn et al. (2006)
15 AB181833	VgA	vtgAa			Barfin flounder	<i>Verasper moseri</i>	4,884	1,628	Sawaguchi et al. (2005)
16 AB181834	VgB	vtgAb			Barfin flounder	<i>Verasper moseri</i>	4,953	1,651	Sawaguchi et al. (2005)
17 AF017250	VtG1	vtgAb		Perciformes	Blue Tilapia	<i>Oreochromis aureus</i>	5,364	1,788	Lim et al. (1997)
18 AB088473	Vg-530	vtgAa			Japanese common goby	<i>Acanthogobius flavimanus</i>	4,992	1,664	Ohkubo et al. (2004)
19 AB088474	Vg-320	vtgC			Japanese common goby	<i>Acanthogobius flavimanus</i>	3,714	1,238	Ohkubo et al. (2004)
20 AB081299	VgA	vtgAa			Japanese silago	<i>Sillago japonica</i>	5,103	1,701	Yoon et al. (2002)
21 AB181838	VgA	vtgAa			Red seabream	<i>Pagrus major</i>	5,145	1,715	Sawaguchi et al. (2006)
22 AB181839	VgB	vtgAb			Red seabream	<i>Pagrus major</i>	5,148	1,716	Sawaguchi et al. (2006)
23 AB181840	VgC	vtgC			Red seabream	<i>Pagrus major</i>	3,816	1,272	Sawaguchi et al. (2006)
24 ENSGACP00000012923	novel	vtgAa		Gasterosteiformes	3-spined stickleback	<i>Gasterosteus aculeatus</i>	4,962	1,654	Ensembl (2006)
25 ENSGACP00000012842	novel	vtgAb			3-spined stickleback	<i>Gasterosteus aculeatus</i>	2,952	984	Ensembl (2006)
26 ENSGACP00000012536	novel	vtgC			3-spined stickleback	<i>Gasterosteus aculeatus</i>	3,813	1,271	Ensembl (2006)
27 AB181835	VgA	vtgAa		Atheriniformes	Mosquitofish	<i>Gambusia affinis</i>	5,085	1,695	Sawaguchi et al. (2005)
28 AB181836	VgB	vtgAb			Mosquitofish	<i>Gambusia affinis</i>	5,025	1,675	Sawaguchi et al. (2005)
29 AB181837	VgC	vtgC			Mosquitofish	<i>Gambusia affinis</i>	3,726	1,242	Sawaguchi et al. (2005)
30 AB064320	Ol-vit1	vtgAa		Beloniformes	Medaka	<i>Oryzias latipes</i>	5,034	1,678	Arai et al. (2001); Fujiwara et al. (2002)
31 AB074891	vtgII	vtgAb			Medaka	<i>Oryzias latipes</i>	5,175	1,725	Murakami and Nakai (2003)
32 ENSORLP00000008173	novel	vtgC			Medaka	<i>Oryzias latipes</i>	3,663	1,221	Ensembl (2006)
33 AY279214	vtg	vtgAa		Cyprinodontiformes	Mangrove killifish	<i>Kryptolebias marmoratus</i>	5,133	1,711	Kim et al. (2004)
34 U07055	vtgI	vtgAa			Common mummichog	<i>Fundulus heteroclitus</i>	5,112	1,704	LaFleur et al. (1995)
35 FHU70826	vtgII	vtgAb			Common mummichog	<i>Fundulus heteroclitus</i>	5,061	1,687	LaFleur et al. (1995)
36 AF284035	VtGA	vtgAa	Paracanthopterygii	Gadiformes	Haddock	<i>Melanogrammus aeglefinus</i>	4,995	1,665	Reith et al. (2001)
37 AF284034	VtGB	vtgAb			Haddock	<i>Melanogrammus aeglefinus</i>	4,929	1,643	Reith et al. (2001)
38 AF454748	VtGA	vgAsa	Protacanthopterygii	Salmoniformes	Chinook salmon	<i>Oncorhynchus tshawytscha</i>	804	268	Buisine et al. (2002)
39 AF454747	VtGA	vgAsa			Coho Salmon	<i>Oncorhynchus kisutch</i>	807	269	Buisine et al. (2002)
40 X92804	vtgI	vgAsa			Rainbow trout	<i>Oncorhynchus mykiss</i>	4,977	1,659	Mouchel et al. (1996)
41 AF454751	VtGA	vgAsa			Artic charr	<i>Salvelinus alpinus</i>	810	270	Buisine et al. (2002)
42 AF454752	VtGA	vgAsa			Brook trout	<i>Salvelinus fontinalis</i>	807	269	Buisine et al. (2002)
43 AF454749	VtGB	vgAsb			Atlantic salmon	<i>Salmo salar</i>	849	283	Buisine et al. (2002)
44 AF454750	VtGA	vgAsa			Brown trout	<i>Salmo trutta</i>	807	269	Buisine et al. (2002)
45 AF454745	VtGA	vgAsa			Whitefish	<i>Coregonus lavaretus</i>	807	269	Buisine et al. (2002)
46 AF454746	VtGB	vgAsb			Whitefish	<i>Coregonus lavaretus</i>	807	269	Buisine et al. (2002)
47 AF454753	VtGA	vgAsa			Grayling	<i>Thymallus thymallus</i>	807	269	Buisine et al. (2002)
48 AF454754	VtGB	vgAsb			Grayling	<i>Thymallus thymallus</i>	807	269	Buisine et al. (2002)
49 AF414432	vitellogenin	vtgAo1	Ostariophysi	Cypriniformes	Common carp	<i>Cyprinus carpio</i>	4,059	1,353	Chang et al. (2001); Lai et al. (2001)
50 AB106873	vitellogenin	vtgAo2			Common carp	<i>Cyprinus carpio</i>	4,872	1,624	Han et al. (2004)
51 AF130354	vtg	vtgAo1			Fathead Minnow	<i>Pimephales promelas</i>	4,017	1,339	Korte et al. (2000)
52 ENSDARP000000062792	apo-B100	apoB100			Zebrafish	<i>Danio rerio</i>	11,346	3,782	Ensembl (2006)
53 AF406784	vtgI	vtgAo1			Zebrafish	<i>Danio rerio</i>	4,086	1,362	Islinger et al. (2003)
54 ENSDARP00000018269	novel	vtgAo1			Zebrafish	<i>Danio rerio</i>	3,147	1,049	Ensembl (2006)
55 ENSDARP000000061222	novel	vtgAo1			Zebrafish	<i>Danio rerio</i>	4,977	1,659	Ensembl (2006)
56 ENSDARP00000044868	novel	vtgAo2			Zebrafish	<i>Danio rerio</i>	5,010	1,670	Ensembl (2006)
57 ENSDARP00000046417	novel	vtgAo2			Zebrafish	<i>Danio rerio</i>	5,022	1,674	Ensembl (2006)
58 ENSDARP000000061149	novel	vtgAo2			Zebrafish	<i>Danio rerio</i>	4,890	1,630	Ensembl (2006)
59 ENSDARP000000061160	novel	vtgAo2			Zebrafish	<i>Danio rerio</i>	5,061	1,687	Ensembl (2006)
60 ENSDARP000000061164	novel	vtgAo2			Zebrafish	<i>Danio rerio</i>	5,064	1,688	Ensembl (2006)
61 AF254638	vg3	vtgC			Zebrafish	<i>Danio rerio</i>	3,753	1,251	Wang et al. (2000)
62 AY775788	VtG	vtgAe1	Elopomorpha	Anguilliformes	Japanese eel	<i>Anguilla japonica</i>	5,226	1,742	Wang and Lou (2006)
63 AY423445	VTG1	vtgAe2			Japanese eel	<i>Anguilla japonica</i>	5,202	1,734	Okumura et al. (2003); Mikawa et al. (2006)
64 AY423444	VTG2	vtgAe3			Japanese eel	<i>Anguilla japonica</i>	5,277	1,759	Okumura et al. (2003); Mikawa et al. (2006)
65 AB185334	vtg	vtgAe1			Conger eel	<i>Conger myriaster</i>	4,989	1,663	Mikawa et al. (2006)
66 U00455	vitellogenin	vtgAB	Chondrostei	Acipenseriformes	White Sturgeon	<i>Acipenser transmontanus</i>	5,031	1,677	Bidwell and Carlson (1995)
67 M88749	vitellogenin	vtgABCD	Hyperoartia	Petromyzontiformes	Silver lamprey	<i>Ichthyomyzon unicuspis</i>	5,469	1,823	Sharrock et al. (1992)
68 AB084783	vg	vtg	Mollusca	Ostreoida	Pacific oyster	<i>Crassostrea gigas</i>	4,749	1,583	Matsumoto et al. (2002)
69 AB179781	Vg	vtg	Anthozoa	Scleractinia	Galaxy Coral	<i>Galaxea fascicularis</i>	4,317	1,439	Hayakawa et al. (2004; 2006)