

Protein names	Taxonomy	Protein accession numbers	Positions	Sequences	Theoretical mass	Experimental mass	Δm (ppm)	Modifications
Collagen type I alpha 1	<i>Ctenopharyngodon idella</i>	ADK35755.1	239-250	GFPGTPGLPGIK	1187.6187	1187.6175	-1	3 oxidations
Collagen type II alpha 1b	<i>Petromyzon marinus</i>	ABB53638.2	250-263	GFPGLPGPAGEPGK	1327.6409	1327.6402	0	3 oxidations
Unnamed protein product *	<i>Tetraodon nigroviridis</i>	CAG11560.1	291-300	AGLPGLRGDK	1014.5458	1014.5448	-1	2 oxidations
Novel protein similar to vertebrate collagen. type VI. alpha 3 (COL6A3). partial	<i>Danio rerio</i>	CAX15447.1	1073-1084	GPAGPIGAPGVR	1047.5825	1047.5835	1	
Type I collagen alpha 2 chain	<i>Oncorhynchus keta</i>	BAB79229.1	477-488	GQPGNIGFPGPK	1199.5935	1199.5911	-2	2 oxidations
Collagen alpha-2(I) chain-like isoform 1	<i>Oreochromis niloticus</i>	XP_003457295.1	887-896	LGPAGPPGAR	891.4563	891.4572	1	
Collagen alpha-2(VI) chain	<i>Danio rerio</i>	XP_696164.2	375-387	SGPPGPAGDPGPK	1164.5411	1164.5434	2	2 oxidations

* presents collagen domains using InterProScan software, more details are given in the experimental section

ESI_2: Experimental results obtained for the fish-specific peptides.