

Add. File 07: Overview of relative, size-corrected, individual data and summary per species.

fish	Skull (bone) thickness \pm SD _{intra} (% of MHD)	Dermis thickness \pm SD _{intra} (% of MHD)	ON depth \pm SD _{intra} (% of MHD)	ON layer thickness \pm SD _{intra} (% of AON \emptyset)	Mean ON CSA \pm SD _{intra} (% of Head CSA)
Td1	-	-	-	12.9 \pm 1.7	0.38 \pm 0.10
Td2	-	-	-	15.2 \pm 3.5	0.40 \pm 0.15
Td4	0.81 \pm 0.31	1.36 \pm 0.45	24.4 \pm 2.7	11.6 \pm 2.1	0.27 \pm 0.07
Td9	0.82 \pm 0.21	1.19 \pm 0.58	20.9 \pm 4.9	-	-
Td10	0.66 \pm 0.14	1.43 \pm 0.34	21.1 \pm 3.4	-	-
<i>T. delaisi</i>					
Mean \pm SD	0.76 \pm 0.09	1.33 \pm 0.12	22.1 \pm 2.0	13.2 \pm 2.1	0.35 \pm 0.07
Tm1	-	-	-	14.2 \pm 2.5	0.44 \pm 0.10
Tm2	0.77 \pm 0.21	0.72 \pm 0.46	24.4 \pm 1.6	14.3 \pm 1.7	0.28 \pm 0.08
Tm4	0.79 \pm 0.20	0.71 \pm 0.25	20.2 \pm 4.5	-	-
<i>T. melanurus</i>					
Mean \pm SD	0.78 \pm 0.01	0.72 \pm 0.004	22.3 \pm 3.0	14.2 \pm 0.03	0.36 \pm 0.12
<i>P. zvonimiri</i>					
	1.52 \pm 0.99	4.70 \pm 2.89	24.9 \pm 3.8	16.0 \pm 2.1	0.51 \pm 0.15
Ao4	-	-	-	13.9 \pm 1.4	0.11 \pm 0.02
Ao5	-	-	-	12.4 \pm 2.6	0.11 \pm 0.01
Ao6	2.50 \pm 0.99	2.23 \pm 1.27	19.8 \pm 1.7	10.5 \pm 2.2	0.15 \pm 0.02
Ao7	2.23 \pm 0.63	2.20 \pm 1.03	20.5 \pm 2.1	-	-
Ao8	2.75 \pm 0.75	3.11 \pm 1.41	23.4 \pm 2.0	-	-
Ao9	2.54 \pm 0.84	3.13 \pm 1.41	20.9 \pm 1.0	-	-
<i>A. ocellaris</i>					
Mean \pm SD	2.50 \pm 0.21	2.67 \pm 0.52	21.1 \pm 1.6	12.2 \pm 1.7	0.12 \pm 0.03

AON \emptyset = approximated optic nerve diameter ($2 \cdot \sqrt{\frac{\text{ON CSA}}{\pi}}$); CSA = cross-section area; MHD = mean head diameter; SD = standard deviation of means per species; SD_{intra} = SD of subsamples within individual