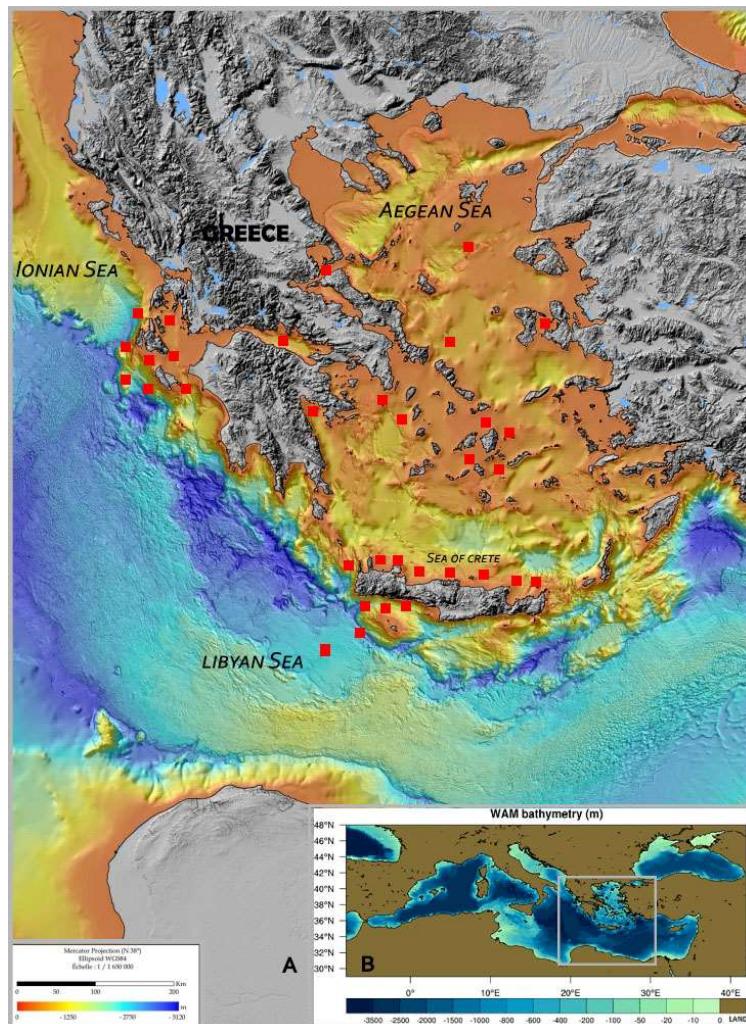


## Supplemental material

### Trace metals distribution in tissues of 10 different shark species from the eastern Mediterranean Sea

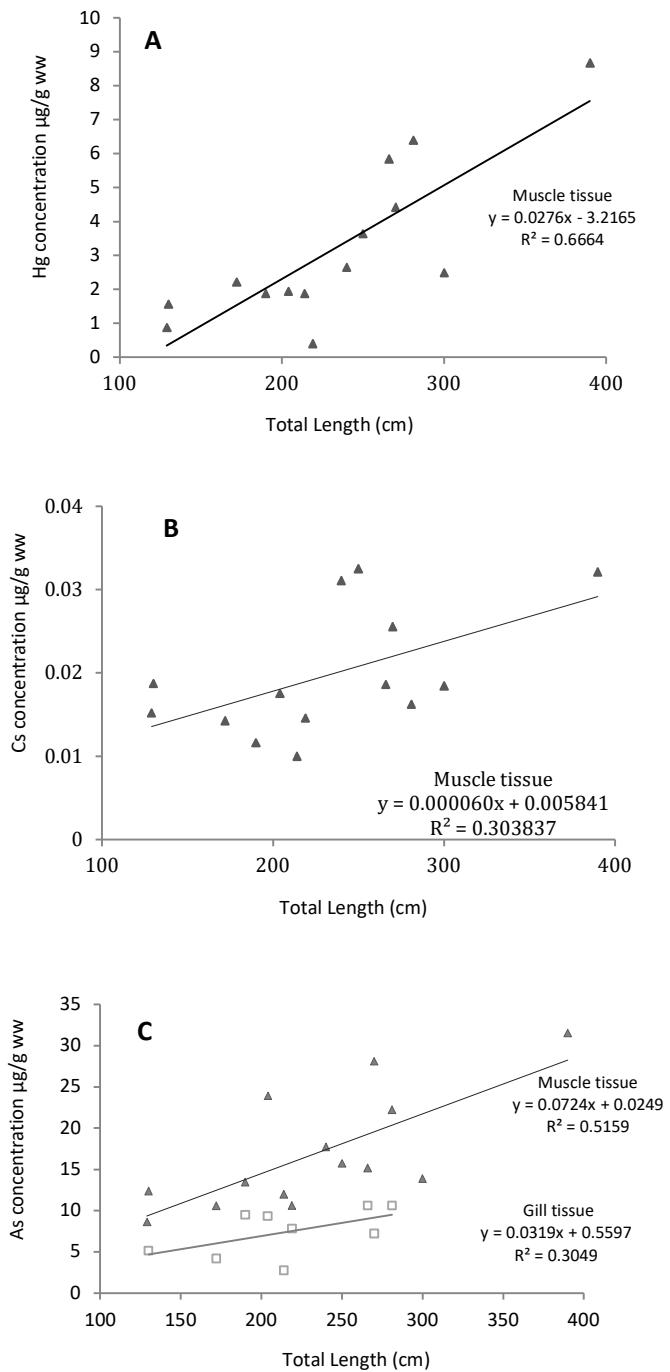
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**Fig. S1** Sampling sites of sharks studied.

**Table S1** Mean concentrations ( $\mu\text{g g}^{-1}$  ww) of trace elements in different tissues of *I. oxyrinchus*, *O. centrina*, *M. mobular*, *S. zygaena*, *O. ferox*, *A. superciliosus* and *H. nakamurai*. The number of specimens is in parenthesis.

Sample	Al	As	Cd	Co	Cr	Cs	Cu	Fe	Hg	Mn	Ni	Pb	V	Zn
<i>I. oxyrinchus</i> (n=1)														
Muscle	1.1	8.3	0.006	0.008	0.030	0.049	1.1	4.8	1.4	0.08	0.015	0.035	0.002	7.0
Gills	1.1	8.0	0.007	0.015	0.475	0.060	1.4	57	0.64	0.34	0.142	0.031	0.003	13
Heart	0.75	7.5	0.006	0.010	0.162	0.049	4.6	30	0.48	0.19	0.341	0.041	0.003	19
<i>O. centrina</i> (n=1)														
Muscle	1.0	2.8	0.003	0.009	0.080	0.017	0.32	3.0	0.69	0.10	0.072	0.024	0.002	6.5
Gills	0.94	2.6	0.005	0.012	0.118	0.018	0.66	5.2	1.5	1.4	0.110	0.017	0.003	8.6
Liver	2.9	9.8	0.020	0.024	0.832	0.044	0.48	22	1.6	0.18	0.400	0.057	0.010	8.4
Heart	1.9	4.3	0.006	0.012	0.330	0.025	0.50	33	2.0	0.19	0.081	0.035	0.005	9.9
<i>M. mobular</i> (n=2)														
Muscle	23	124	0.052	0.049	0.505	0.229	2.7	136	0.62	1.9	0.406	0.459	0.040	57
Gills	0.41	6.7	0.005	0.012	0.026	0.022	3.4	30	0.13	0.24	0.336	0.023	0.002	8.8
<i>S. zygaena</i> (n=1)														
Muscle	0.81	1.6	0.022	0.009	0.235	0.044	0.53	10	9.1	0.07	0.064	0.061	0.003	10
Gills	0.46	6.7	0.173	0.066	0.005	0.035	0.41	121	11	0.10	0.004	0.063	0.004	8.8
Liver	1.2	4.2	0.277	0.018	0.006	0.034	0.43	38	18	0.08	0.004	0.020	0.003	13
<i>O. ferox</i> (n=2)														
Muscle	0.90	21	0.006	0.006	0.132	0.037	0.16	6.9	13	0.14	0.031	0.067	0.002	4.8
Gills	29	11	0.044	0.070	0.139	0.029	0.43	112	4.2	5.5	0.224	0.515	0.038	6.2
Liver	4.7	8.4	0.158	0.012	0.055	0.029	0.57	24	6.0	0.19	0.038	0.087	0.006	5.6
Heart	0.49	14	0.011	0.007	0.006	0.044	0.88	40	1.4	0.13	0.005	0.046	0.002	15
<i>A. superciliosus</i> (n=2)														
Muscle	1.2	4.6	0.006	0.006	0.002	0.073	0.20	5.1	0.33	0.09	0.024	0.022	0.003	7.8
Gills	0.54	7.0	0.015	0.006	0.002	0.032	0.24	48	0.03	0.11	0.003	0.015	0.003	7.3
Liver	1.4	12	0.035	0.016	0.246	0.152	3.9	100	0.30	0.62	0.099	0.035	0.005	44
Heart	0.12	0.54	0.001	n.d.	0.009	0.007	0.11	2.0	n.d.	0.03	0.003	0.006	0.001	1.2
<i>H. nakamurai</i> (n=1)														
Muscle	0.24	9.0	0.003	0.008	0.038	0.017	0.34	2.8	0.24	0.08	0.030	0.017	0.002	3.2
Gills	0.75	4.0	0.007	0.023	0.097	0.024	0.52	11	0.16	1.6	0.090	0.104	0.003	12
Liver	0.22	3.0	0.009	0.015	0.085	0.033	0.82	11	n.d.	0.27	0.027	0.034	0.004	5.1
Heart	0.49	4.4	0.008	0.040	0.272	0.043	1.3	48	1.9	0.38	0.126	0.025	0.004	25



**Fig. S2** Positive correlation between total length of *P. glauca* and metal concentrations. A: Hg in muscle tissue; B: Cs in muscle tissue; C: As in muscle and gill tissue.

Table S2 Statistical parameters of principal component analysis (PCA) of trace metals in shark tissues examined.

Tissue	Number of eigenvalues>1	% variance for PC1 and PC2	
Muscle	3	67.1	9.1
Gills	5	34.9	22.0
Heart	5	35.2	19.9
Liver	5	38.5	20.9
Gonads	3	42.4	33.4