

**Table S1.** Average particle size of sediments, components in %.

Sample*	Gravel	Very coarse sand	Coarse sand	Medium sand	Fine sand grain	Very fine sand grain	Pelite
	2000 $\mu\text{m}$	1000 $\mu\text{m}$	500 $\mu\text{m}$	250 $\mu\text{m}$	125 $\mu\text{m}$	63 $\mu\text{m}$	<63 $\mu\text{m}$
LH	3.52	1.68	1.46	2.86	25.99	33.73	30.76
IP	1.42	1.32	2.07	15.35	58.45	20.79	0.60
MPA	16.52	30.02	52.04	1.34	0.06	0.02	0.00

\* Sample: Livorno harbour (LH), intermediate point (IP) and marine protected area (MPA).