

Table S1. Summary of metrics extracted by micro-CT analysis from the eroded traces of each of the boring sponges found excavating the red coral samples.

Species	Sample	Ø Papillae (mm)		Length pap. canals (mm)	Ø Chambers (mm)		Length chambers (µm)		Length intercam. Canal (mm)	
		<i>n</i>	Av.	Range	<i>n</i>	Av.	<i>n</i>	Av.	<i>n</i>	Av.
<i>Alectona millari</i>	CT3	-	-	-	1	5.19	1	11.14	-	-
	CTX	8	0.21	0.13 – 1.03	3	3.90	1	2.89	1	2.02
<i>Alectona ricardi</i> sp. nov.	CTX	4	0.19	0.44 – 1.34	3	3.22	3	5.91	2	2.93
<i>Thoosa armata</i>	CT5	4	0.13	0.57 – 1.58	4	3.36	4	4.26	10	1.38
	CT6	7	0.15	0.57 – 1.58	6	2.24	6	2.81	10	1.30
<i>Dotona pulchella mediterranea</i>	CT2	-	-	-	5	0.80	5	1.24	10	0.36
	CTX	-	-	-	5	1.14	5	0.85	10	0.37