

Table S1. Characteristics of sediment (MC3) and water column (CTD3) samples taken at/above the bottom and water column of Valencia Seamount and at comparable depths in the adjacent Mallorca slope. L (distance covered) *Beam trawl with 0.5 plankton net attached.

Date	Time		Location (initial)		swept area	L (m)	Depth initial - final
València Seamount summit							
09/07/2021	10.06	BeamTrawl1	40°25.354' N	2°43.239' E	0.105	154.0	1251-1208
09/07/2021	11.46	BeamTrawl2	40°25.306' N	2°43.144' E	0.711	1045.7	1176-1388
09/07/2021	14.17	BeamTrawl3*	40°25.480' N	2°43.130' E	0.314	462.1	1189-1280
10/07/2021	09.17	BeamTrawl4*	40°25.498' N	2°42.258' E	0.438	643.5	1196-1289
10/07/2021	11.23	BeamTrawl5*	40°25.171' N	2°43.060' E	0.104	153.3	1091-1080
14/07/2021	10.56	BeamTrawl6	40°25.340' N	2°43.190' E	0.171	252.1	1111-1173
14/07/2021	13.11	BeamTrawl7	40°25.730' N	2°41.960' E	0.267	392.1	1176-1186
14/07/2021	15.09	BeamTrawl8	40°25.639' N	2°41.499' E	0.245	359.8	1140-1298
09/07/2021	16.00	MC2	40°25.378' N	2°43.582' E			1156
11/03/2020	22.19	Rock Dredge 1	40°25.469' N	2°43.110' E	0.015	279.3	1102-1130
14/07/2021	18.15	CTD4	40°25.520' N	2°47.730' E			1143
08/07/2021	21.09	CTD2	40°27.111' N	2°47.730' E			1173
Mallorca slope							
11/07/2021	18.14	MC3	39°58.850' N	2°48.320' E			1114
11/07/2021	20.15	CTD3	39°58.465' N	2°48.408' E			1047