

Table S4. Microbial community metabolism: Average Well Color Development value (AWCD), Richness and Shannon-Weaver diversity index per each area

Area A							
Station	Coastal zone			Offshore zone			
	AWCD	Richness	Shannon-Weaver		AWCD	Richness	Shannon-Weaver
15-DCM	0.049	2	0.648	20-DCM	0.056	8	2.055
15-Deep	0.046	2	0.600	20-Deep	0.134	19	2.898
14-DCM	0.049	2	0.527	19DCM	0.071	6	1.738
14-Deep	0.075	9	2.159	19Deep	0.089	13	2.502
12DCM	0.041	5	1.596	18DCM	0.059	6	1.725
12Deep	0.032	2	0.577	18Deep	0.228	2	0.085
6DCM	0.098	13	2.493				
6Deep	0.103	12	2.443				
8DCM	0.035	1	0.000				
8Deep	0.160	29	3.292				
3DCM	0.160	29	3.292				
3CDW	0.073	8	1.994				
2DCM	0.135	21	2.970				
2CDW	0.108	14	2.583				
Area C							
Station	Coastal zone			Offshore zone			
				63DCM	0.075	10	2.258
				63-130	0.064	5	1.524
				64DCM	0.100	14	2.599
				64-100	0.079	9	2.149
				65-200	0.055	7	1.887
				66-100	0.043	5	1.576
				67-220	0.055	5	1.594
				68-20	0.121	19	2.897
				68-240	0.032	3	1.094