

Table S2 Compiled settlement behaviour of microorganisms on topography with different size and scale

Taxa		Macro	Micro																	Nano			Hierarchical							
		Bumps	Rec-Grooves <5	Rec / Square-Grooves-5to100	Rec / Square-Grooves 100 to1000	Round Grooves 0 – 1	Sine wave-grooves 1to<5	Sine wave-grooves 8-<16	Sine wave-grooves 16<32	Sine wave-grooves 32<364	Sine wave-grooves 64	Sine wave-grooves 125-130	Sine wave-grooves 256	Sine wave-grooves 512	Riblets<5	Riblets>5	Mesh	Pillars-<5	Pillars->5	Equilateral Triangle + Pillars	Gradient Hexagonal pits 1-10	Bumps-100-400	Bumps – 500	Holes	Bumps	Peaks	Micro Peaks on Micro Cells	Micro Riblets on Micro Rec-Grooves	Periodical Micro, Nano Sine wave - Wrinkles	
Ulva sp.				♣		●														♣										
Ulva linza			▲	♣			▲						♣	▲	♣	♣	♣	▲	♣	▲					▲	▲	▲		▲	♣
Ulva rigida							▲	♣	♣	♣	♣	♣	●												▲					
Centroceras clavulatum							▲	▲	▲	▲	▲	▲	▲																	
Fucus serratus																						♣								
Polysiphonia sphaerocarpa							▲	▲	▲	▲	▲	♣	●												▲					
Chlorella																											▲			
Nannochloropsis maritima																											▲			
Licmophora sp.		♣																				●	♣							
Nitzschia closterium				▲		▲																								
Navicula jeffreyi							▲																							
Navicula perminuta																										▲				
Fallacia carpentariae							●																							
Nitzschia cf. paleacea							♣																							
Amphora sp.				▲		▲	▲																		▲					
Marinobacter hydrocarbonoclasticus																										◆	◆			
Vibrio alginolyticus																										▲				
Cobetia marina																										◆				
Pseudomonas fluorescens																										▲				
Aliivibrio fischeri																										♣				
Sulfitobacter guttiformis																										♣				
Sulfitobacter mediterraneus																										♣				
Salegentibacter flavus																										♣				
♣	Increases fouling		▲	Inhibits fouling		●	No increase or decrease in fouling					◆	Inconsistent results						No reviewed studies											