

Table S1

Studies reviewed that studied the effects of surface topography on marine fouling organism settlement.

Topography feature size	Taxa	Topography pattern	Reference
Macro	• <i>Semibalanus balanoides</i> • <i>Balanus improvisus</i> • <i>Balanus sp.</i> • <i>Tetraclita stalactifera</i> • <i>Mytilus edulis</i> • <i>Hiatella arctica</i> • <i>Anomia simplex</i> • <i>Anomia aculeata</i> • <i>Perna canaliculus</i> • <i>Membranipora membranacea</i> • <i>Bugula neritina</i> • <i>Distaplia occidentalis</i> • <i>Tubularia crocea</i> • <i>Tubularia larynx</i> • <i>Obelia longissima</i> • <i>Schizoporella errata</i> • <i>Polydora sp.</i> • <i>Hydroides elegans</i> • <i>Crambe crambe</i> • <i>Scopalina lophyropoda</i> • <i>Vorticella sp.</i> • <i>Zoothamnium commune</i> • <i>Suctorina</i> • <i>Licmophora sp.</i>	• V-shaped grooves • Bumps, • Holes	Hills and Thomason [22] Chabot and Bourget [34] Walters and Wethey [35] Walters and Wethey [36] Kohler et al.[52] Skinner and Coutinho [55] Gribben et al. [56] Bourget et al. [57] Maldonado and Uriz[58] Walters [59] Lemire and Bourget [60] (Continued on the next page)

Topography feature size	Taxa	Topography pattern	Reference
Micro	• <i>Fucus serractus</i> • <i>Ulva linza</i> • <i>Ulva rigida</i> • <i>Centroceras clavulatum</i> • <i>Polysiphonia sphaerocarpa</i> • <i>Semibalanus Balanoides</i> • <i>Balanus improvisus</i> • <i>Balanus amphitrite</i> • <i>Mytilus galloprovincialis</i> • <i>Polydora sp.</i> • <i>Hydroides elegans</i> • <i>Zoothamnium commune</i> • <i>Vorticella sp.</i> • <i>Suctoria</i> • <i>Bugula neritina</i> • <i>Licmophora sp.</i> • <i>Navicula jeffreyi</i> • <i>Navicula perminuta</i> • <i>Fallacia carpentariae</i> • <i>Nitzschia cf. palacea</i> • <i>Nitzschian closterium</i> • <i>Amphora sp.</i> • <i>Amphibalanus reticulatus</i> • <i>Sacrostrea glomerata</i> • <i>Pinctada imbricata</i>	• Bumps/Pillars • Holes • V-shaped grooves • Rectangular grooves, • Square grooves • Sine-wave grooves • Round grooves • Mesh • Riblets • Sine wave grooves • Equilateral triangles + pillars • Gradient changing hexagonal pits	Carl et al. [5] Carman et al. [14] Callow et al. [15] Schumacher et al. [16] Granhag et al. [17] Berntsson et al.[20] Scardino et al. [24] Bers and Wahl [25] Hoipkemeier et al.[26] Petronis et al.[32] Berntsson et al.[33] Figueiredo et al.[37] Xiao et al. [43] Scardino et al.[46] Finlay et al.[47] Schumacher et al.[48] Schumacher et al.[49] Scardino et al. [50] Kohler et al.[52] Bers et al. [68] Aldred et al. [70] Andersson et al.[71] Berntsson et al. [72] Carl et al. [73] Vucko et al. [94] Scardino et al.[95] (Continued on the next page)

Topography feature size	Taxa	Topography pattern	Reference
Nano	• <i>Bugula neritina</i> • <i>B.amphitrite</i> • <i>Hydroides elegans</i> • <i>Ulva linza</i> • <i>Ulva rigida</i> • <i>Polysiphonia sphaerocarpa</i> • <i>Centroceras clavulatum</i> • <i>Navicula perminuta</i> • <i>Amphora sp</i> • <i>Marinobacter hydrocarbonoclasticus</i> • <i>Cobetia marina</i> • <i>Pseudomonas fluorescens</i> • <i>Vibrio alginolyticus</i> • <i>Aliivibrio fischeri</i> • <i>Sulfitobacter guttiformis</i> • <i>Sulfitobacter mediterraneus</i> • <i>Salegentibacter flavus</i>	• Bumps • Peaks • Holes	Fang et al.[6] Cao et al.[38] Scardino et al. [50] Beigbeder et al.[75] Gunari et al.[76] Wouters et al.[77] Mitik-Dineva et al. [78] Navabpour et al.[79] Scardino et al.[80] Akeso et al.[81] Martinelli et al.[82] Gudipati et al.[83] Beigbeder et al.[84] Beigbeder et al.[85] Martinelli et al.[86] Wu et al. [89]
Hierarchical	• <i>Ulva linza</i> • <i>Nannochloropsis maritima</i> • <i>Chlorella</i>	• Periodical sine wave grooves • Bumps + peaks • Cells + peaks	Efimenko et al. [23] Bers and Wahl [25] Schumacher et al. [48] Fei Wan et al.[51]