

Table S1. Description of levels used to analyze progressive coverage of *Undaria pinnatifida*'s holdfast.

Level	Percent coverage	Description
I	0 to 25	Small individuals of <i>Undaria</i> , in first stages of development; the holdfast is absent or poorly developed.
II	25 to 50	<i>Undaria</i> 's holdfast is present, covering up to approximately half of <i>Styela</i> 's surface. <i>Undaria</i> individuals of stage 0, 1 or 2; never stage 3.
III	50 to 75	<i>Undaria</i> 's holdfast is covering more than half of <i>Styela</i> 's surface, but the siphons remain uncovered. <i>Undaria</i> individuals vary in number and stage, but one single <i>Undaria</i> covers most of <i>Styela</i> .
IV	75 to 99	<i>Undaria</i> 's holdfast covering all of the upper part of <i>Styela</i> . The peduncle is the only holdfast -free part.
V	100	<i>Styela</i> is totally covered by <i>Undaria</i> 's holdfast.

Tables of comparisons of *Undaria pinnatifida* density between substrates

Table S2. Comparison of *Undaria pinnatifida* density between *Styela clava* quadrats and consolidated-substrate quadrats performed with the Kruskal-Wallis tests. The results for the missing months are provided in the main text. The asterisks indicate significant p-values.

Season	Month	<i>H</i> ₁	p-value
Autumn	March	0.56	0.45
Autumn	May	16.83	4.07e ^{-5*}
Winter	June	2.06	0.15
Winter	August	7.68	0.5e ^{-2*}
Spring	September	0.99	0.31
Spring	November	2.67	0.10
Summer	December	0.09	0.75

Table S3. Comparison of *Undaria pinnatifida* density between the consolidated-substrate quadrats and nonconsolidated-substrate quadrats performed with the Kruskal-Wallis tests. The results for the missing months are provided in the main text. The asterisks indicate significant p-values.

Season	Month	<i>HI</i>	p-value
Autumn	March	1.24	0.26
Autumn	May	1.36	0.24
Winter	June	9.08	0.2e ^{-2*}
Winter	August	0.34	0.55
Spring	September	0.58	0.44
Spring	November	0.4	0.52
Summer	December	0.78	0.37

Table S4. Comparison of the densities of *Undaria pinnatifida* mature individuals between consolidated-substrate and nonconsolidated-substrate quadrats performed with the Kruskal-Wallis tests. Either the missing months did not contain mature individuals of *U. pinnatifida*, or the corresponding results are presented in the Results section (*cf.* main text). No p-values were significant.

Season	Month	<i>HI</i>	p-value
Winter	July	2.83	0.09
Spring	September	1.06	0.30
Spring	October	0.30	0.58
Spring	November	0.72	0.39
Summer	December	0.44	0.50
Summer	January	3.75	0.05

Table S5. Comparison of the densities of *Undaria pinnatifida* mature individuals between *Styela* and consolidated-substrate quadrats performed with the Kruskal-Wallis tests. Missing months did not contain mature individuals of *U. pinnatifida* (*cf.* main text). No p-values were significant.

Season	Month	<i>HI</i>	p-value
Winter	June	3.26	0.07
Winter	July	3.32	0.07
Winter	August	0.87	0.34
Spring	September	3.30	0.07
Spring	October	3.45	0.06
Spring	November	2.62	0.10
Summer	December	2.08	0.15