

## Supplementary Table 2

ANOVA analysis of the taxa richness (number of taxa) abundance (number of individuals), and biodiversity (the Shannon- Wiener index) with respect to location and methods. Location is kelp farm, wild kelp forest or water column, method is collection from the kelp or by the use of fauna traps. To make the data in the farmed kelp comparable, only kelps with three months long growth period were included.

	Sum sq	Df	F-value	p-value
<b>Taxa richness (number of taxa)</b>				
Location	350.88	5	8.1393	5.357 x 10 <sup>-5</sup>
Method	48.30	1	5.6026	0.02436
Residuals	267.28	31		
<b>Abundance (Numbers of individuals)</b>				
Location	5328.1	5	6.6432	0.000261
Method	1133.4	1	7.0657	0.012314
Residuals	4014.1	5		
<b>Biomass</b>				
Location	0.305	2	0.2708	0.7631
Method	0.723	1	1.2839	0.2587
Residuals	102.424	182		
<b>Biodiversity</b>				
Location	5.1620	5	2.9881	0.03433
Method	0.4768	1	1.3799	0.25327
Residuals	7.2556	21		