**Supplementary material**

**Fig S1.** Ordination plots (nMDS) showing the effect of *Ecklonia radiata* on sponge assemblages at Breaker Bay. Lines represent the trajectory of change in the understory of an individual plot though time. Ordination based on Bray-Curtis similarity matrices fourth root-transformed percentage cover data of species, with centroids as treatment averages. P = removal plot, C = control.



**Fig S2.** Ordination plots (nMDS) showing the effect of *Ecklonia radiata* on sponge assemblages at Palmer Head. Lines represent the trajectory of change in the understory of an individual plot though time. Ordination based on Bray-Curtis similarity matrices fourth root-transformed percentage cover data of species, with centroids as treatment averages. P = removal plot, C = control.