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Article

Living on the Edge: Variation in the Abundance and Demography of a Kelp Forest Epibiont

Supplementary Information

Table S1. Model selection results for occurrence and percent cover of *Membranipora* on kelp blades. "Within-forest" refers to the effect of edge versus interior. ML is maximum likelihood.

Fixed Effects	Random Effects	Estimation Method	Occurrence ΔAIC	Percent Cover ΔAIC
NA	Intercept site	ML	108	17182
Within-forest	Intercept site	ML	15	13760
Within-forest	Intercept site, slope site	ML	0	13029

Table S2. Parameter estimates for final models of occurrence and percent cover. "Within-forest" refers to the effect of edge versus interior. Significance codes: *** <0.001 **<0.01 *<0.05.

Parameter	Occurrence Estimate	Occurrence Error	Percent Cover Estimate	Percent Cover Error
Fixed effects		*SE*		*SE*
Within-forest	3.28 **	1.25	3.62 *	1.68
Variance term	*Std. dev.*		*Std. dev.*	
Intercept site	1.82		2.52	
Slope site	1.90		2.87	

Table S3. Model selection results for occurrence of recruits, density of recruits, and density of colonies on kelp blades. "Within-forest" refers to the effect of edge versus interior. ML is maximum likelihood.

Fixed Effects	Random Effects	Estimation Method	Occurrence Recruits ΔAIC	Recruit Density ΔAIC	Colony Density ΔAIC
NA	Intercept site	ML	0	33	37
Within-forest	Intercept site	ML	0	0	5
Within-forest	Intercept site, slope site	ML	3	NA	0

Table S4. Parameter estimates for final models of recruit density and colony density. "Within-forest" refers to the effect of edge versus interior. Significance codes: *** <0.001 **<0.01 *<0.05.

Parameter	Recruit Density Estimate	Recruit Density Error	Colony Density Estimate	Colony Density Error
Fixed effects		*SE*		*SE*
Within-forest	1.61***	0.25	1.47***	0.24
Variance term	*Std. dev.*		*Std. dev.*	
Intercept site	0.94		0.31	
Slope site	NA		NA	

Table S5. Model selection results for colony specific growth rate. "Within-forest" refers to the effect of edge versus interior. ML is maximum likelihood.

Fixed Effects	Random Effects	Estimation Method	Colony Specific Growth ΔAIC
NA	Intercept site	ML	89
Within-forest	Intercept site	ML	3
Within-forest	Intercept site, slope site	ML	0

Table S6. Parameter estimates for final model of colony specific growth rate. "Within-forest" refers to the effect of edge versus interior. Significance codes: *** <0.001 **<0.01 *<0.05.

Parameter	Colony Specific Growth Estimate	Colony Specific Growth Error
Fixed effects	0.06***	*SE*
Within-forest		0.006
Variance term	*Std. dev.*	
Intercept site	0.05	
Slope site	NA	