

Ecography

ECOG-00530

Lönnell, N., Jonsson, B. G. and Hylander, K. 2014.
Production of diaspores at the landscape level regulates
local colonization: an experiment with a spore-
dispersed moss. – *Ecography* doi: 10.1111/j.1600-
0587.2013.00530.x

Supplementary material

Appendix 1

Appendix 1, Table A1. The statistics of a generalized linear model with quasi-binomial distribution of the colonization rates versus the \log_{10} -transformed ratios of clay-dominated soils within the buffers of 1,5,10 and 20 km radius.

	1km	2km	10km	20km
Estimate	0.47	0.67	1.18	2.42
Std. Error	0.44	0.42	0.52	0.75
z value	1.05	1.59	2.27	3.25
Pr(> z)	0.313	0.139	0.043 *	0.007**
Residual deviance on 12 df	72.01	65.06	54.96	37.80

Appendix 1, Table A2. The statistics of a model comparison between a generalized mixed model with binomial distribution of the colonization rates versus the \log_{10} -transformed ratios of clay-dominated soils (in a (A) 10 km buffer and (B) a 20 km buffer) as a fixed factor and cluster and site as random factors and a generalized model with only cluster and site as random factors. The p-value thus denote to what extent the proportion clay-dominated soil contribute to the model when taking into account possible autocorrelation and overdispersion

					Chisq		
(A) 10km	Df	AIC	BIC	logLik	Chi	Df	Pr(>Chisq)
	3	47.08	49.00	-20.54			
Full model	4	43.98	46.54	-17.99	5.095	1	0.024
					Chisq		
(B) 20km	Df	AIC	BIC	logLik	Chi	Df	Pr(>Chisq)
	3	47.08	49.00	-20.54			
Full model	4	36.90	39.45	-14.45	12.18	1	0.0005

Appendix 1, Figure A1. The four clusters used for correcting for spatial autocorrelation marked with blue circles

