

Melo, A. S., Rangel, T. F. L. V. B. and Diniz-Filho, J. A. F.  
2009. Environmental drivers of beta-diversity patterns  
in New-World birds and mammals. – *Ecography* 32:  
226–236.

Table S1. Pearson correlations among predictor variables and  $\beta_{\text{sim}}$  and species richness of birds and mammals.

	Bsim-bird	Bsim-mam	S.saves	S.mami	Temp.dif	AET.dif	Alt.dif	PET.dif	NPP.dif	Preci.dif	Humi.dif	Bioma.jac	Realm.jac	Ecore.jac
Bsim-mam	0.536													
S.birds	0.134	0.065												
S.mammals	0.276	0.185	0.931											
Temp.dif	0.744	0.512	-0.027	0.106										
AET.dif	0.646	0.389	0.465	0.609	0.549									
Alt.dif	0.785	0.496	0.015	0.137	0.913	0.555								
PET.dif	0.675	0.442	0.448	0.598	0.689	0.832	0.669							
NPP.dif	0.313	0.177	0.105	0.142	0.261	0.365	0.288	0.303						
Preci.dif	0.474	0.238	0.380	0.477	0.384	0.661	0.380	0.563	0.398					
Humi.dif	0.503	0.464	-0.127	-0.033	0.616	0.260	0.720	0.368	0.163	0.138				
Bioma.jac	0.324	0.292	0.027	0.080	0.342	0.276	0.333	0.284	0.244	0.257	0.268			
Realm.jac	0.113	0.204	-0.043	0.019	0.107	0.083	0.093	0.144	0.051	0.036	0.107	0.083		
Ecore.jac	0.303	0.301	0.180	0.248	0.298	0.296	0.292	0.288	0.137	0.309	0.182	0.556	0.073	
Polygon.jac	0.303	0.227	0.322	0.396	0.243	0.389	0.265	0.402	0.231	0.404	0.176	0.331	0.176	0.597

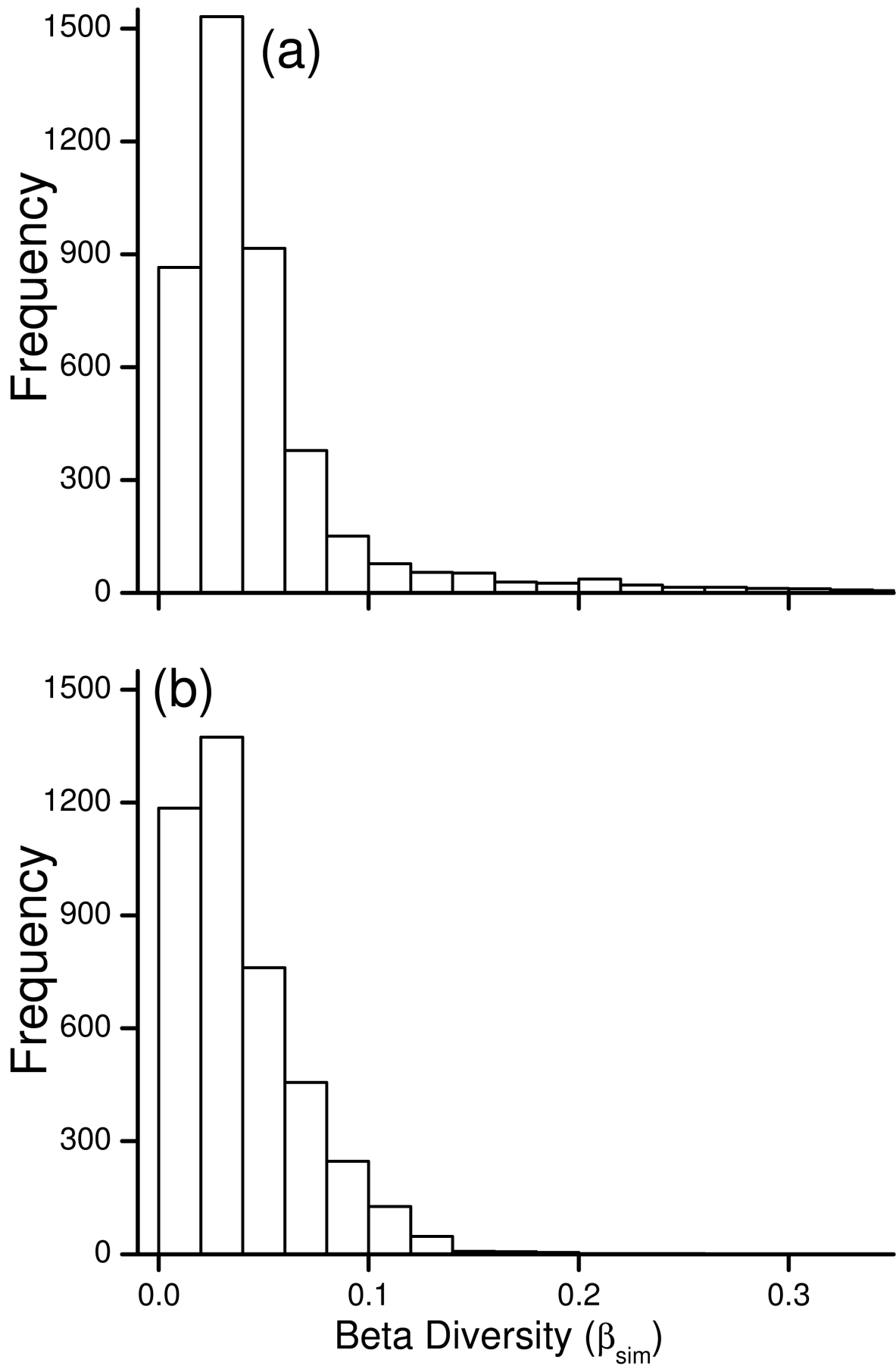


Figure S1. Beta diversity ( $\beta_{sim}$ ) for birds (a) and mammals (b) of the New World for 4220 1° cells. Beta diversity for each cell was quantified as the mean of the beta diversity values between a focal cell and each of the eight adjacent cells. Means were obtained using fewer values for coastal cells. Beta diversity values for birds in 13 cells were larger than 0.35 and are not show in the histogram.