

Online resource 3

Electronic supplementary material to:

Journal: Theoretical Ecology

Title: Trophic niche-space imaging, using resource and consumer traits

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Results obtained for the TTMs with D = 1, 2, or 3.

The correlation coefficients (ρ) between predicted and observed trophic interaction strengths with increasing number of predictive dimensions.

D=3

D_c	dimensions fixed at best fitting values	dimensions permuted randomly	correlation coefficients (ρ)			
			two-sided 95% confidence interval ^a		actually found in 3D model ^b	
1	-	1, 2, 3	-0.299	- 0.283	0.655	
2	1	2, 3	0.356	- 0.614	0.655	
3	1, 2	3	0.655	- 0.655	0.655	

D=2

D_c	dimensions fixed at best fitting values	dimensions permuted randomly	correlation coefficients (ρ)			
			two-sided 95% confidence interval ^a		actually found in 2D model ^b	
1	-	1, 2	-0.290	- 0.286	0.656	
2	1	2	-0.045	- 0.493	0.656	

D=1

D_c	dimensions fixed at	dimensions	correlation coefficients (ρ)			
			two-sided 95% confidence interval ^a		actually found in 1D model ^b	
1	-	1	-0.283	- 0.291	0.140	