

Appendix S2. Pearson correlations (*r*) among contrast metrics (i.e., difference in metric between neighboring counties that did or did not report human cases of WNV) for the 2002 linear model analyses. *P* values are two-tailed and have not been adjusted for the 153 comparisons reported here, so should be interpreted cautiously and with an appropriately adjusted alpha value. *N* = 65 for all cases.

		Species richness	Total evenness	Human PC1	Human PC2	Prop passerines: nonpasserines	Prop of Corvidae	Prop of Passeridae	Prop of American robins	Prop of Turdidae	Prop of Fringillidae	Nonpasserine evenness	Passerine evenness	Number of Corvidae	Number of Passeridae	Number of American robins	Number of Turdidae	Number of Fringillidae	
Total evenness	<i>r</i>	0.340																	
	<i>P</i>	0.006																	
Human PC1	<i>r</i>	0.014	-0.052																
	<i>P</i>	0.909	0.683																
Human PC2	<i>r</i>	0.099	0.054	-0.192															
	<i>P</i>	0.433	0.672	0.126															
Prop passerines:nonpasserines	<i>r</i>	-0.159	-0.167	0.067	-0.092														
	<i>P</i>	0.206	0.184	0.598	0.467														
Prop of Corvidae	<i>r</i>	-0.043	0.073	-0.036	-0.099	0.009													
	<i>P</i>	0.734	0.562	0.774	0.431	0.940													
Prop of Passeridae	<i>r</i>	0.077	-0.118	0.137	0.041	-0.050	-0.114												
	<i>P</i>	0.544	0.349	0.277	0.745	0.695	0.368												
Prop of American robins	<i>r</i>	-0.273	0.144	-0.086	-0.008	0.099	0.079	0.103											
	<i>P</i>	0.028	0.253	0.495	0.948	0.434	0.530	0.415											
Prop of Turdidae	<i>r</i>	-0.200	0.107	-0.018	-0.122	0.147	0.157	0.013	0.903										
	<i>P</i>	0.110	0.398	0.889	0.332	0.241	0.212	0.920	<0.001										
Prop of Fringillidae	<i>r</i>	0.366	0.023	0.338	-0.051	0.228	0.122	0.048	-0.195	-0.110									
	<i>P</i>	0.003	0.854	0.005	0.688	0.068	0.331	0.707	0.120	0.384									
Nonpasserine evenness	<i>r</i>	0.218	0.712	-0.111	0.156	-0.681	-0.079	-0.097	0.001	-0.077	-0.188								
	<i>P</i>	0.081	<0.001	0.380	0.213	<0.001	0.533	0.443	0.995	0.542	0.134								
Passerine evenness	<i>r</i>	0.338	0.972	-0.025	0.012	0.027	0.115	-0.110	0.174	0.155	0.091	0.527							
	<i>P</i>	0.006	<0.001	0.841	0.922	0.834	0.361	0.382	0.166	0.218	0.470	<0.001							
Number of Corvidae	<i>r</i>	0.199	-0.131	0.007	-0.029	0.024	0.658	0.206	0.056	0.093	0.214	-0.223	-0.084						
	<i>P</i>	0.113	0.298	0.955	0.816	0.851	<0.001	0.100	0.657	0.459	0.087	0.074	0.508						
Number of Passeridae	<i>r</i>	0.209	-0.071	0.096	0.007	-0.003	-0.188	0.795	0.068	0.036	0.006	-0.113	-0.048	0.160					
	<i>P</i>	0.095	0.574	0.449	0.957	0.979	0.133	<0.001	0.590	0.774	0.963	0.370	0.704	0.202					
Number of American robins	<i>r</i>	0.059	-0.001	0.010	0.051	-0.018	-0.142	0.350	0.705	0.612	-0.129	-0.038	0.012	0.232	0.408				
	<i>P</i>	0.642	0.996	0.940	0.689	0.886	0.259	0.004	<0.001	<0.001	0.304	0.764	0.924	0.063	0.001				
Number of Turdidae	<i>r</i>	0.151	-0.031	0.038	0.011	-0.005	-0.125	0.348	0.624	0.646	-0.093	-0.084	-0.009	0.287	0.467	0.951			
	<i>P</i>	0.230	0.808	0.764	0.933	0.969	0.322	0.004	<0.001	<0.001	0.462	-0.504	-0.944	0.021	<0.001	<0.001			
Number of Fringillidae	<i>r</i>	0.526	-0.041	0.141	0.025	0.061	-0.073	0.340	-0.139	-0.109	0.685	-0.121	-0.009	0.413	0.470	0.274	0.337		
	<i>P</i>	<0.001	0.747	0.263	0.845	0.628	0.562	0.006	0.268	0.387	<0.001	0.338	0.944	0.001	<0.001	0.027	0.006		
Total number of birds	<i>r</i>	0.441	-0.121	0.011	0.098	-0.074	-0.290	0.431	-0.053	-0.051	0.033	-0.086	-0.117	0.299	0.703	0.537	0.619	0.653	
	<i>P</i>	<0.001	0.339	0.931	0.439	0.555	0.019	<0.001	0.675	0.687	0.795	0.497	0.353	.015	<0.001	<0.001	<0.001	<0.001	