

	r	P	R <sup>2</sup>	R <sup>2</sup> %
Uncorrected P-dist	1.00	0.001	1.00	100
Uncorrected P-Dice	0.95	0.001	0.89	89.5
Dice-dist	0.95	0.001	0.89	89.5
geography-AMOVWater	0.64	0.010	0.40	40.5
Dice-AMOVindividual	0.56	0.001	0.32	31.8
Uncorrected P-AMOVstruct	0.56	0.001	0.32	31.8
dist-AMOVstruct	0.56	0.001	0.32	31.8
dist-AMOVindividual	0.56	0.001	0.31	31.3
Uncorrected P-AMOVindividual	0.56	0.001	0.31	31.3
Dice-AMOVstruct	0.51	0.001	0.26	26.1
Dice-AMOVWater	0.49	0.010	0.24	23.7
Uncorrected P-AMOVWater	0.38	0.010	0.14	14.1
dist-AMOVWater	0.38	0.010	0.14	14.1
Dice-geography	0.37	0.010	0.14	13.5
AMOVstruct-AMOVWater	0.36	0.010	0.13	13.2
AMOVstruct-geography	0.31	0.010	0.10	9.7
AMOVindividual-geography	0.26	0.010	0.07	7.0
Uncorrected P-geography	0.26	0.010	0.07	6.6
dist-geography	0.26	0.010	0.07	6.6
AMOVindividual-AMOVWater	0.25	0.010	0.06	6.0
AMOVindividual-AMOVstruct	0.18	0.001	0.03	3.3
AMOVpops-geography	0.15	0.030	0.02	2.3

Supplementary Material 6: Comparison of Mantel-tests