Table 1. Across-habitat and within habitat RELATE tests between community structure and a distance matrix based on the actual geographical distance between sites. None of the 59 correlations were significant at $P<0.05$.

	All 15 sites		Primary forest		Secondary forest		Eucalyptus plantations	
	Rho	*P*	Rho	*P*	Rho	*P*	Rho	*P*
Leaf-litter amphibians	-0.13	0.82	-0.21	0.75	-0.32	0.68	-0.50	0.92
Epigeic arachnids	-0.03	0.55	-.26	0.84	0.36	0.22	-0.32	0.79
Bats	0.05	0.38	-0.44	0.95	0.74	0.08	0.16	0.65
Orchid bees	-0.14	0.84	0.07	0.51	-0.25	0.67	0.39	0.11
Birds	0.07	0.22	0.001	0.42	-0.35	0.83	0.06	0.37
Scavenger flies	-0.01	0.51	0.62	0.09	0.24	0.25	0.25	0.26
Fruit-feeding butterflies	0.08	0.21	-0.20	0.72	0.59	0.17	-0.08	0.52
Fruit flies	-0.16	0.89	0.54	0.07	0.36	0.17	0.08	0.42
Dung beetles	0.08	0.26	0.24	0.25	0.08	0.45	0.04	0.45
Grasshoppers	0.09	0.25	0.31	0.77	0.83	0.09	0.25	0.25
Large mammals	0.03	0.33	-0.26	0.76	0.31	0.21	0.48	0.09
Lizards	-0.03	0.55	-0.50	0.95	0.16	0.67	0.03	0.45
Moths	-0.01	0.51	-0.60	0.95	0.81	0.07	0.05	0.48
Small mammals	0.001	0.56	-0.29	0.80	-0.12	0.55	-0.31	0.82
Trees and Lianas	-0.001	0.54	0.13	0.34	-0.03	0.54	-	-