

SUPPLEMENTARY MATERIAL S10

TABLE S10 | Sensitivity analyses assessing the influence of proportion of impervious surface estimated with different buffer radius on the relationship between local contribution to beta diversity (LCBD), proportion of impervious surface and distance to median (EH). SE: standard-error.

Buffer radius (m)	Parameter	Estimate	SE	z	P	χ^2	d.f.	P	Pseudo-R ²
100	Intercept	-3.76	0.31	-12.33	< 0.001	7.15	2	0.028	0.19
	log(EH)	0.44	0.26	1.70	0.089				
	Proportion of impervious surface	-0.75	0.29	-2.57	0.010				
200	Intercept	-3.53	0.32	-11.22	< 0.001	11.12	2	0.004	0.26
	log(EH)	0.43	0.25	1.74	0.082				
	Proportion of impervious surface	-1.12	0.32	-3.48	< 0.001				
300	Intercept	-3.39	0.33	-10.22	< 0.001	11.51	2	0.003	0.26
	log(EH)	0.43	0.25	1.75	0.081				
	Proportion of impervious surface	-1.29	0.35	-3.69	< 0.001				
400	Intercept	-3.28	0.34	-9.62	< 0.001	12.22	2	0.002	0.26
	log(EH)	0.43	0.24	1.76	0.078				
	Proportion of impervious surface	-1.39	0.36	-3.90	< 0.001				
500	Intercept	-3.18	0.35	-9.22	< 0.001	13.07	2	0.001	0.28
	log(EH)	0.43	0.24	1.79	0.073				
	Proportion of impervious surface	-1.49	0.36	-4.12	< 0.001				
800	Intercept	-3.01	0.36	-8.37	< 0.001	14.43	2	0.001	0.30
	log(EH)	0.41	0.24	1.72	0.086				
	Proportion of impervious surface	-1.64	0.37	-4.41	< 0.001				
1000	Intercept	-2.95	0.36	-8.25	< 0.001	15.57	2	< 0.001	0.32
	log(EH)	0.40	0.24	1.69	0.092				
	Proportion of impervious surface	-1.73	0.37	-4.64	< 0.001				
1500	Intercept	-2.94	0.37	-7.98	< 0.001	14.74	2	0.001	0.30
	log(EH)	0.39	0.24	1.62	0.105				
	Proportion of impervious surface	-1.84	0.41	-4.49	< 0.001				
2000	Intercept	-2.96	0.37	-7.93	< 0.001	14.06	2	0.001	0.29
	log(EH)	0.38	0.24	1.58	0.113				
	Proportion of impervious surface	-1.90	0.44	-4.33	< 0.001				



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