

## Supplementary\_material\_2

**Supplementary Material Table S2.** Values of predictor variables and dependent variables obtained at each sampling point and their respective geographic coordinates. The predictors are elevation – **ELE**; distance to the nearest watercourse – **DNW**; vegetation clutter – **VCL**; basal area – **BA**; canopy height – **CH**.

Sampling site			Predictor variables					Dependent variables					
Plot	Lat	Long	ELE	DNW	VCL	BA	CH	Taxonomic	Taxonomic	Functional	Functional	Phylogenetic	Phylogenetic
								richness	diversity	richness	diversity	richness	diversity
								(q = 0)	(q = 2)	(q = 0)	(q = 2)	(q = 0)	(q = 2)
1	0.966472222	-51.61883333	112	159.32	615	11.57	11.88	8.40	6.42	27.91	14.25	2.37	0.91
2	0.966722222	-51.62775000	108	300.97	1666	13.22	11.18	9.93	8.70	44.48	26.24	3.34	1.13
3	0.966722222	-51.63672222	124	445.20	756	12.75	11.53	11.14	10.76	76.26	48.39	3.87	1.38
4	0.975611111	-51.61872222	99	115.36	822	16.65	13.38	6.91	5.82	35.43	11.64	2.91	0.80
5	0.975361111	-51.62775000	122	311.69	707	12.85	12.35	6.77	4.96	18.36	7.07	1.87	0.75
6	0.975416667	-51.63661111	129	258.56	1484	13.72	13.54	10.50	8.00	45.19	28.44	3.45	1.45
7	0.993555556	-51.63613889	116	298.43	1851	11.22	11.38	6.83	3.57	5.96	5.34	1.52	1.06
8	0.993666667	-51.64505556	138	531.95	977	18.50	12.93	12.15	8.00	36.09	27.37	2.57	1.04
9	0.993472222	-51.65386111	118	266.07	2378	13.47	11.85	9.63	8.00	36.82	26.34	2.52	1.03
10	1.002611111	-51.63600000	131	323.45	2240	8.93	12.86	9.56	6.40	33.23	17.91	2.64	1.00
11	1.002666667	-51.64486111	123	177.95	1440	7.83	10.97	7.69	5.57	19.51	10.16	2.49	1.02
12	1.002583333	-51.65411111	104	37.48	513	5.46	15.26	8.28	7.57	44.05	16.70	3.33	1.06
13	1.011277778	-51.63558333	133	371.30	1830	12.51	15.07	8.29	6.25	13.86	11.16	1.95	0.93
14	1.011222222	-51.64447222	149	671.46	2126	13.30	10.69	9.81	10.29	52.58	39.49	3.49	1.34
15	1.011222222	-51.65458333	149	337.49	913	15.69	10.84	10.04	6.26	27.12	17.45	2.56	1.02