

Supplementary Material for:

RED CLAY ROOF AND NDVI DRIVE CHANGES IN BIRD SPECIES COMPOSITION AND FUNCTIONAL EVENNESS IN HOUSING AREAS OF SÃO PAULO MEGACITY, BRAZIL

MARCOS ANTÔNIO MELO^{1*}, LUCAS ANDREI CAMPOS-SILVA¹ & AUGUSTO JOÃO

PIRATELLI^{2*}

Supplementary Material 1 Environmental data and bird indices recorded in São Paulo's housing areas, Southeast Brazil. Legend. PC, point-count station; Ct, municipality: SP, São Paulo and GU, Guarulhos; Lat, latitude; Lon, longitude; Bsr, Bird species richness; Abu, abundance; sqrt(FRic), root-squared transformed functional richness; FEve, functional evenness; FDiv, functional divergence. NDVI, primary productivity and RCR, red clay roof, in (m²) measured at different buffer zones (50, 100, and 200 m).

PC	Locality	Ct	Lat	Lon	Bsr	Abu	sqrt (FRic)	FEve	FDiv	NDVI 50	NDVI 100	NDVI 200	RCR 50	RCR 100
S10	St.Cecilia	SP	-23.5364	-46.6609	12	50	0.109	0.877	0.77	51	46	40	35.499	529.733
S11	St.Cecilia	SP	-23.5380	-46.6615	11	30	0.051	0.842	0.79	42	35	48	0	19.485
S12	St.Cecilia	SP	-23.5386	-46.6596	9	33	0.023	0.922	0.81	43	38	19	13.855	132.031
S13	St.Cecilia	SP	-23.5370	-46.6589	12	40	0.107	0.830	0.83	36	21	38	0	37.616
S20	VMariana	SP	-23.5831	-46.6427	12	35	0.094	0.738	0.77	7	34	23	964.995	3431.367
S21	VMariana	SP	-23.5822	-46.6456	13	41	0.135	0.862	0.80	32	40	42	368.489	2238.15
S22	VMariana	SP	-23.5813	-46.6433	13	37	0.135	0.790	0.83	6	8	17	603.965	2704.644
S23	VMariana	SP	-23.5795	-46.6421	10	38	0.032	0.762	0.82	40	39	13	117.627	1542.617
S24	VMariana	SP	-23.5811	-46.6413	12	48	0.102	0.615	0.77	31	16	5	873.41	3456.643
S25	Paulista	SP	-23.5652	-46.6645	13	48	0.139	0.782	0.82	34	19	28	194.789	1471.93
S26	Paulista	SP	-23.5660	-46.6667	12	52	0.057	0.686	0.88	39	26	9	112.87	378.614
S27	Paulista	SP	-23.5667	-46.6650	10	38	0.044	0.751	0.79	35	49	47	10.719	590.347
S28	Paulista	SP	-23.5682	-46.6634	13	41	0.076	0.788	0.81	52	42	49	47.195	458.955
S29	Paulista	SP	-23.5660	-46.6624	13	56	0.124	0.705	0.84	50	51	51	8.556	396.038
S4	Funda Barra	SP	-23.5312	-46.6517	16	63	0.164	0.821	0.80	46	44	29	1436.477	4081.137
S44	VClementino	SP	-23.6035	-46.6485	13	42	0.130	0.634	0.79	28	28	32	171.803	1897.674
S45	VClementino	SP	-23.6015	-46.6436	15	42	0.125	0.894	0.84	9	12	44	773.982	1593.08
S46	VClementino	SP	-23.6034	-46.6428	13	48	0.174	0.724	0.79	23	36	14	1037.768	3003.595

S47	VClementino	SP	-23.6028	-46.6451	10	35	0.032	0.871	0.80	41	30	25	0	588.228
S48	VClementino	SP	-23.6020	-46.6470	12	35	0.121	0.778	0.77	14	29	24	567.575	2454.072
S49	Moema Barra Funda	SP	-23.6005	-46.6698	14	42	0.162	0.908	0.85	49	50	53	1.098	385.222
S5	Moema	SP	-23.5302	-46.6538	10	27	0.068	0.657	0.85	5	3	1	424.94	2129.249
S50	Moema	SP	-23.6024	-46.6709	15	44	0.160	0.800	0.82	47	45	41	35.948	36.871
S51	Moema	SP	-23.6038	-46.6693	14	41	0.163	0.847	0.80	17	23	16	58.517	278.511
S52	Moema	SP	-23.6032	-46.6672	17	58	0.274	0.714	0.85	48	43	39	86.46	241.269
S53	Moema	SP	-23.6021	-46.6687	16	72	0.187	0.711	0.79	38	41	34	66.233	161.803
S6	B.Funda	SP	-23.5319	-46.6540	9	41	0.019	0.558	0.76	8	4	3	465.398	1830.033
S7	B.Funda	SP	-23.5335	-46.6548	12	41	0.102	0.660	0.84	4	9	7	447.529	952.506
S8	B.Funda	SP	-23.5317	-46.6560	12	33	0.047	0.822	0.84	1	1	4	295.646	2194.894
S9	St.Cecilia	SP	-23.5348	-46.6590	12	37	0.107	0.895	0.80	22	22	15	180.846	874.887
U1	VIGalvao	GU	-23.4460	-46.5650	10	34	0.031	0.874	0.87	15	24	33	532.134	2860.082
U10	VIMilton	GU	-23.4620	-46.5583	13	55	0.088	0.901	0.80	25	32	26	2282.275	6176.978
U11	JdBVista	GU	-23.4320	-46.5160	11	34	0.055	0.823	0.82	45	47	46	1026.821	3003.385
U12	JdBVista	GU	-23.4314	-46.5134	11	54	0.053	0.691	0.81	11	5	6	380.305	2905.002
U13	JdBVista	GU	-23.4307	-46.5107	13	81	0.128	0.775	0.91	21	6	10	624.764	1716.529
U14	JdBVista	GU	-23.4346	-46.5151	11	50	0.065	0.775	0.79	24	27	20	1596.488	4966.687
U15	JdBVista	GU	-23.4337	-46.5126	12	62	0.100	0.811	0.85	16	31	36	1051.116	4488.278
U16	VIFlorida	GU	-23.4543	-46.5075	12	56	0.135	0.713	0.83	13	20	31	515.255	2398.566
U17	VIFlorida	GU	-23.4567	-46.5089	10	35	0.045	0.700	0.86	12	10	18	882.882	5169.025
U18	VIFlorida	GU	-23.4610	-46.5078	10	39	0.059	0.889	0.80	19	13	22	3055.035	8381.149
U19	VIFlorida	GU	-23.4598	-46.5063	12	50	0.041	0.773	0.91	10	11	45	2140.125	6310.734
U2	VIGalvao	GU	-23.4466	-46.5621	9	38	0.013	0.811	0.82	18	18	37	1948.667	6844.731
U20	VIFlorida	GU	-23.4567	-46.5061	12	68	0.095	0.811	0.82	20	17	11	1023.49	3171.755
U21	VIZaira	GU	-23.4667	-46.5344	11	36	0.050	0.831	0.83	37	37	27	1027.766	4647.443
U22	VIZaira	GU	-23.4665	-46.5312	10	33	0.030	0.815	0.77	54	48	50	628.842	1501.394
U23	VIZaira	GU	-23.4646	-46.5360	13	33	0.098	0.814	0.88	26	25	35	0	224.249
U24	VIZaira	GU	-23.4634	-46.5334	10	30	0.055	0.900	0.84	30	14	12	257.645	1257.488
U25	VIZaira	GU	-23.4695	-46.5316	14	49	0.108	0.888	0.83	29	15	8	440.455	2123.681
U3	VIGalvao	GU	-23.4485	-46.5658	11	39	0.066	0.855	0.87	27	33	21	1457.069	6370.813
U4	VIGalvao	GU	-23.4493	-46.5627	10	40	0.023	0.894	0.86	44	52	52	2182.502	9297.404
U5	VIGalvao	GU	-23.4482	-46.5602	15	60	0.219	0.877	0.83	55	55	54	1841.418	6648.054
U6	VIMilton	GU	-23.4627	-46.5650	9	50	0.014	0.764	0.78	2	2	2	681.276	1755.589
U7	VIMilton	GU	-23.4618	-46.5621	8	31	0.054	0.838	0.78	3	7	30	635.399	2046.583
U8	VIMilton	GU	-23.4649	-46.5628	11	36	0.042	0.889	0.85	33	54	55	498.752	2453.882
U9	VIMilton	GU	-23.4640	-46.5603	13	47	0.056	0.917	0.78	53	53	43	321.005	4870.699