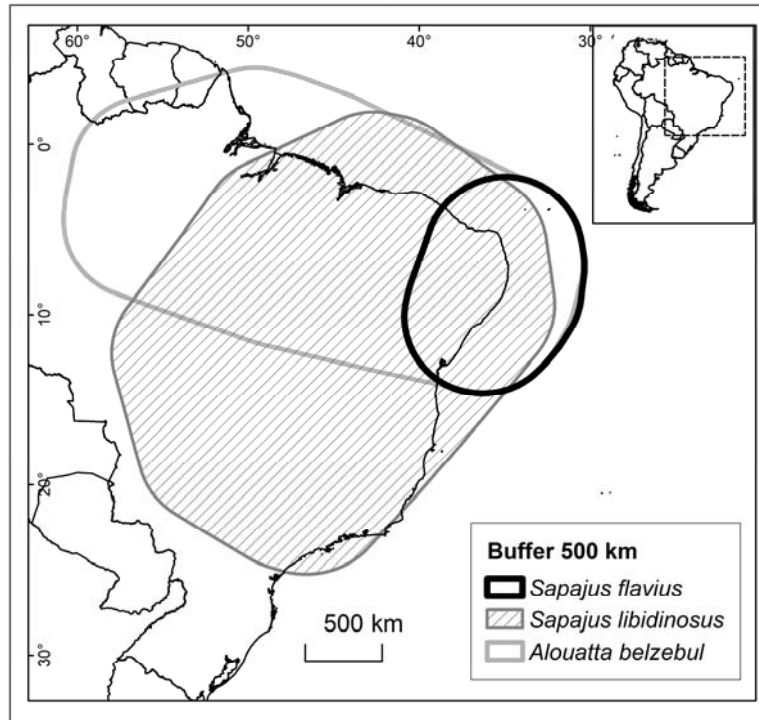


## Habitat suitability for primate conservation in north-east Brazil

BÁRBARA MORAES, ORLY RAZGOUR, JOÃO PEDRO SOUZA-ALVES  
JEAN P. BOUBLI and BRUNA BEZERRA



SUPPLEMENTARY FIG. 1 A 500 km buffer around the minimum convex polygon of the occurrence records of *Alouatta belzebul*, *Sapajus flavius* and *Sapajus libidinosus* in north-east Brazil.

SUPPLEMENTARY TABLE 1 Pearson's correlation results among the 19 climatic variables available in the WorldClim database, slope, ecoregion (ecor) and geomorphology (geom). Correlation performed considering the occurrence extension of the species: (a) *Alouatta belzebul*, (b) *Sapajus flavius* and (c) *Sapajus libidinosus*. Bold font indicates highly correlated variables that could not be included together in the model.

(a) *Alouatta belzebul*

	bio1	bio10	bio11	bio12	bio13	bio14	bio15	bio16	bio17	bio18	bio19	bio2	bio3	bio4	bio5	bio6	bio7	bio8	bio9	slope	ecor.	geom.
bio1	1																					
bio10	<b>0.99</b>	1																				
bio11	<b>0.98</b>	<b>0.94</b>	1																			
bio12	0.11	0.07	0.18	1																		
bio13	0.46	0.39	0.55	0.77	1																	
bio14	-0.25	-0.22	-0.24	0.74	0.23	1																
bio15	0.55	0.48	0.6	-0.22	0.41	-0.69	1															
bio16	0.41	0.34	0.5	<b>0.84</b>	<b>0.98</b>	0.3	0.31	1														
bio17	-0.27	-0.24	-0.26	0.73	0.2	<b>0.99</b>	-0.72	0.28	1													
bio18	-0.4	-0.38	-0.41	0.47	0.05	0.61	-0.51	0.11	0.62	1												
bio19	0.41	0.34	0.5	<b>0.84</b>	<b>0.98</b>	0.3	0.31	1	0.28	0.11	1											
bio2	0.08	0.12	0.02	-0.63	-0.38	-0.58	0.27	-0.45	-0.57	-0.28	-0.45	1										
bio3	0.63	0.53	0.7	-0.17	0.28	-0.56	0.69	0.21	-0.58	-0.46	0.21	0.42	1									
bio4	-0.66	-0.53	-0.79	-0.31	-0.65	0.18	-0.61	-0.62	0.21	0.32	-0.62	0.17	-0.77	1								
bio5	<b>0.86</b>	<b>0.89</b>	0.79	-0.23	0.16	-0.45	0.53	0.09	-0.46	-0.49	0.09	0.53	0.61	-0.35	1							
bio6	<b>0.9</b>	<b>0.85</b>	<b>0.93</b>	0.35	0.61	-0.03	0.46	0.6	-0.06	-0.31	0.6	-0.34	0.5	-0.77	0.57	1						
bio7	-0.2	-0.12	-0.31	-0.63	-0.55	-0.4	-0.02	-0.61	-0.38	-0.11	-0.61	<b>0.91</b>	0.01	0.55	0.31	-0.6	1					
bio8	<b>0.83</b>	<b>0.82</b>	0.79	-0.22	0.19	-0.44	0.59	0.1	-0.47	-0.31	0.1	0.34	0.64	-0.48	<b>0.83</b>	0.63	0.08	1				
bio9	<b>0.91</b>	<b>0.88</b>	<b>0.92</b>	0.29	0.56	-0.09	0.45	0.54	-0.11	-0.4	0.54	-0.17	0.52	-0.69	0.68	<b>0.93</b>	-0.42	0.59	1			
slope	-0.26	-0.28	-0.22	0.04	0.03	0.01	-0.04	0.04	0.02	-0.02	0.04	-0.04	-0.07	0.03	-0.25	-0.19	-0.02	-0.29	-0.18	1		
ecor.	-0.13	-0.14	-0.09	0.67	0.35	0.68	-0.37	0.41	0.68	0.5	0.41	-0.54	-0.33	-0.04	-0.37	0.09	-0.47	-0.3	0.01	0.02	1	
geom.	0.07	0.06	0.06	-0.01	0.07	-0.1	0.13	0.06	-0.1	-0.07	0.06	0.02	0.07	-0.05	0.06	0.06	0	0.03	0.08	0.01	0.11	1

(b) *Sapajus flavius*

	bio1	bio10	bio11	bio12	bio13	bio14	bio15	bio16	bio17	bio18	bio19	bio2	bio3	bio4	bio5	bio6	bio7	bio8	bio9	slope	ecor.	geom.	
bio1	1																						
bio10	<b>0.99</b>	1																					
bio11	<b>0.98</b>	<b>0.94</b>	1																				
bio12	0.11	0.07	0.18	1																			
bio13	0.46	0.39	0.55	0.77	1																		
bio14	-0.25	-0.22	-0.23	0.74	0.23	1																	
bio15	0.55	0.48	0.6	-0.22	0.41	-0.69	1																
bio16	0.41	0.34	0.5	<b>0.84</b>	<b>0.99</b>	0.3	0.31	1															
bio17	-0.27	-0.24	-0.26	0.73	0.2	<b>0.99</b>	-0.72	0.28	1														
bio18	-0.4	-0.38	-0.41	0.47	0.05	0.61	-0.51	0.11	0.61	1													
bio19	0.41	0.34	0.5	<b>0.84</b>	<b>0.99</b>	0.3	0.31	1	0.28	0.11	1												
bio2	0.08	0.12	0.01	-0.63	-0.38	-0.58	0.27	-0.46	-0.57	-0.28	-0.46	1											
bio3	0.63	0.53	0.7	-0.17	0.28	-0.56	0.69	0.21	-0.58	-0.46	0.21	0.42	1										
bio4	-0.66	-0.53	-0.79	-0.31	-0.65	0.18	-0.61	-0.62	0.21	0.32	-0.62	0.17	-0.77	1									
bio5	<b>0.86</b>	<b>0.89</b>	0.79	-0.23	0.16	-0.45	0.53	0.09	-0.46	-0.49	0.09	0.53	0.6	-0.35	1								
bio6	<b>0.9</b>	<b>0.85</b>	<b>0.93</b>	0.36	0.61	-0.03	0.46	0.6	-0.06	-0.31	0.6	-0.34	0.5	-0.77	0.57	1							
bio7	-0.2	-0.12	-0.31	-0.63	-0.55	-0.4	-0.02	-0.61	-0.38	-0.12	-0.61	<b>0.91</b>	0.01	0.55	0.31	-0.61	1						
bio8.	<b>0.83</b>	<b>0.82</b>	0.79	-0.21	0.19	-0.44	0.59	0.1	-0.47	-0.31	0.1	0.33	0.64	-0.48	<b>0.83</b>	0.63	0.07	1					
bio9	<b>0.91</b>	<b>0.88</b>	<b>0.92</b>	0.3	0.56	-0.09	0.45	0.54	-0.11	-0.4	0.54	-0.17	0.52	-0.69	0.68	<b>0.93</b>	-0.42	0.59	1				
slope	-0.26	-0.28	-0.22	0.04	0.03	0.01	-0.04	0.04	0.02	-0.02	0.04	-0.04	-0.06	0.03	-0.25	-0.19	-0.02	-0.29	-0.18	1			
ecor.	-0.13	-0.14	-0.09	0.68	0.35	0.69	-0.38	0.41	0.69	0.51	0.41	-0.54	-0.33	-0.04	-0.37	0.09	-0.46	-0.3	0	0.02	1		
geom.	0.07	0.07	0.07	-0.04	0.06	-0.13	0.16	0.06	-0.13	-0.1	0.06	0.04	0.08	-0.05	0.08	0.06	0.01	0.03	0.09	0.01	0.05	1	

(c) *Sapajus libidinosus*

	bio1	bio10	bio11	bio12	bio13	bio14	bio15	bio16	bio17	bio18	bio19	bio2	bio3	bio4	bio5	bio6	bio7	bio8	bio9	slope	ecor.	geom.	
bio1	1																						
bio10	<b>0.97</b>	1																					
bio11	<b>0.98</b>	<b>0.91</b>	1																				
bio12	0.25	0.15	0.32	1																			
bio13	0.3	0.2	0.37	<b>0.92</b>	1																		
bio14	-0.21	-0.15	-0.23	0.25	0.05	1																	
bio15	0.27	0.22	0.29	-0.2	0.13	-0.74	1																
bio16	0.3	0.2	0.38	<b>0.95</b>	<b>0.99</b>	0.06	0.08	1															
bio17	-0.19	-0.14	-0.2	0.3	0.09	<b>0.98</b>	-0.78	0.11	1														
bio18	-0.58	-0.55	-0.62	0.24	0.12	0.19	-0.31	0.15	0.2	1													
bio19	0.3	0.2	0.38	<b>0.95</b>	<b>0.99</b>	0.06	0.08	<b>1</b>	0.11	0.15	1												
bio2	-0.07	-0.1	-0.07	0.13	0.12	-0.5	0.24	0.15	-0.48	0.39	0.15	1											
bio3	0.64	0.51	0.71	0.24	0.35	-0.1	0.33	0.34	-0.08	-0.58	0.34	-0.15	1										
bio4	-0.75	-0.59	<b>-0.87</b>	-0.43	-0.47	0.25	-0.29	-0.48	0.22	0.57	-0.48	0.05	-0.78	1									
bio5	<b>0.88</b>	<b>0.86</b>	<b>0.86</b>	0.27	0.29	-0.4	0.3	0.31	-0.37	-0.39	0.31	0.35	0.4	-0.65	1								
bio6	<b>0.88</b>	<b>0.84</b>	<b>0.9</b>	0.16	0.22	0.01	0.17	0.21	0.02	-0.74	0.21	-0.48	0.73	-0.76	0.6	1							
bio7	-0.35	-0.32	-0.39	0.03	-0.02	-0.34	0.05	0.01	-0.33	0.6	0.01	<b>0.89</b>	-0.57	0.41	0.09	-0.74	1						
bio8	<b>0.91</b>	<b>0.94</b>	<b>0.83</b>	0.18	0.22	-0.14	0.19	0.22	-0.12	-0.39	0.22	0	0.47	-0.5	<b>0.83</b>	0.73	-0.21	1					
bio9	<b>0.96</b>	<b>0.9</b>	<b>0.98</b>	0.26	0.32	-0.19	0.26	0.32	-0.16	-0.68	0.32	-0.19	0.71	<b>-0.84</b>	<b>0.81</b>	<b>0.94</b>	-0.49	0.79	1				
slope	-0.4	-0.4	-0.36	-0.12	-0.13	0.07	-0.06	-0.13	0.05	0.14	-0.13	-0.05	-0.23	0.22	-0.37	-0.3	0.06	-0.41	-0.36	1			
ecor.	-0.36	-0.3	-0.4	0.08	0.03	0.3	-0.28	0.03	0.28	0.38	0.03	0.01	-0.42	0.41	-0.34	-0.4	0.21	-0.23	-0.42	0.14	1		
geom.	-0.09	-0.05	-0.12	-0.09	-0.07	0.07	0	-0.08	0.05	0.03	-0.08	-0.14	-0.12	0.16	-0.13	-0.05	-0.05	-0.07	-0.09	0.08	0.13	1	

SUPPLEMENTARY TABLE 2 Result of the principal component analysis for each species. Principal component analysis (PCA) results among the 19 climatic variables available in the WorldClim database, ecoregion (eco.), geomorphology (geom.) and slope for: (a) *A. belzebul* (b) *S. flavius* and (c) *S. libidiosus*. The variable of greatest contribution in each PCA is marked in bold. We used the number of PCAs that explain 80% of the model distribution and selected variables that are not correlated. Climatic variables selected: Bio2, mean diurnal range; Bio3, isothermality; Bio8, mean temperature of wettest quarter; Bio11, mean temperature of coldest quarter; Bio12, annual precipitation; Bio15, precipitation seasonality; Bio18, precipitation of warmest quarter.

(a) *A. belzebul*

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15	PC16	PC17	PC18	PC19	PC20	PC21	PC22
bio1	0.318657	-0.02491	0.212553	0.015583	0.012562	-0.10031	-0.00916	0.076653	-0.00697	-0.06514	0.040166	-0.15087	0.18991	-0.02752	0.345765	-0.03182	0.071269	-0.54585	0.538904	0.238183	7.12E-13	-6.18E-16
bio10	0.29984	-0.03916	0.293931	-0.00513	0.024933	-0.15092	0.087511	0.131866	-0.0302	-0.06905	0.025513	-0.1553	0.267607	0.06784	0.360658	-0.03795	-0.07721	0.47382	-0.39838	0.382555	-2.71E-13	1.17E-16
bio11	<b>0.32947</b>	0.004289	0.113786	0.039759	-0.00836	-0.06119	-0.09419	-0.02363	0.024493	-0.01139	0.023433	-0.30375	0.003193	0.027002	0.241018	-0.01648	-0.02745	0.052133	-0.06623	-0.83854	-1.36E-13	3.40E-16
bio12	0.059461	<b>0.371029</b>	0.012634	-0.21093	-0.05915	-0.02536	0.059202	-0.09672	0.111995	-0.15402	-0.17951	0.013078	-0.00282	-0.58674	0.039873	-0.11092	0.594665	0.128483	-0.01317	-0.0046	-1.51E-14	4.58E-16
bio13	0.210264	0.249412	-0.20457	-0.26776	-0.06425	0.070925	0.210515	0.027866	-0.01184	0.146678	-0.08186	0.072391	-0.0498	0.709589	0.04048	-0.06213	0.420699	-0.04241	-0.04328	0.006147	-4.66E-14	5.57E-16
bio14	-0.10675	0.322554	0.276024	-0.05753	-0.03991	-0.14013	-0.06162	-0.18027	0.158269	0.415951	0.284627	0.091141	0.021273	-0.00662	0.089336	0.671628	0.023912	0.003952	0.001044	0.002698	1.87E-14	-1.69E-16
bio15	0.239497	-0.13447	<b>-0.33942</b>	-0.07989	0.005069	0.218194	0.119634	0.25062	-0.21126	0.337912	0.641713	0.074422	0.048714	-0.28007	0.029008	-0.0938	0.088271	0.060622	0.005275	-0.01088	-3.24E-15	-1.32E-16
bio16	0.191645	0.279874	-0.1902	-0.24076	-0.05755	0.053639	0.207619	0.008348	0.019143	-0.04996	-0.14516	0.006573	0.062898	-0.10779	-0.03753	0.087387	-0.43692	-0.038	0.022166	0.001866	9.34E-06	-0.70711
bio17	-0.11653	0.318685	0.282333	-0.05995	-0.03724	-0.15324	-0.05241	-0.1972	0.150999	0.338627	0.203137	0.051653	0.036566	0.03986	-0.08436	-0.70491	-0.21344	-0.02045	0.02678	-0.00428	3.10E-15	-2.55E-16
bio18	-0.15207	0.205532	0.171566	-0.31748	-0.04878	0.260803	-0.39639	<b>0.542089</b>	0.246966	-0.35347	0.263705	-0.08165	-0.06001	0.107479	-0.06316	0.012902	-0.039	-0.00357	-0.00377	-0.00463	-2.10E-15	5.43E-17
bio19	0.191645	0.279874	-0.1902	-0.24076	-0.05755	0.053639	0.207619	0.008348	0.019143	-0.04996	-0.14516	0.006573	0.062898	-0.10779	-0.03753	0.087387	-0.43692	-0.038	0.022166	0.001866	-9.34E-06	0.707107
bio2	0.008743	-0.32095	0.052429	<b>-0.48864</b>	-0.07321	-0.04786	-0.09979	-0.25696	-0.01326	-0.0226	0.053542	0.003965	-0.04334	-0.08404	0.058587	-0.01016	0.003301	-0.49869	-0.55297	0.035125	7.01E-15	5.21E-17
bio3	0.248936	-0.13757	-0.18162	-0.1005	-0.07372	0.101781	<b>-0.49419</b>	-0.36849	0.166598	-0.12027	0.024033	0.41253	0.425527	0.07853	-0.01266	0.001227	-0.01166	0.218236	0.178459	-0.01502	5.81E-15	6.26E-17
bio4	-0.27659	-0.08073	0.233666	-0.1076	0.064217	-0.1153	0.380438	0.270998	-0.11435	-0.1184	-0.0151	0.510025	0.475975	0.006064	0.045892	-0.0063	0.036277	-0.07903	-0.00458	-0.3024	-1.11E-14	1.10E-16
bio5	0.255647	-0.17681	0.267384	-0.20643	-0.00345	-0.1789	0.10535	-0.0115	-0.06989	-0.02916	0.06257	-0.15331	0.036175	0.020034	-0.61582	0.073514	0.0676	0.111478	0.151813	-0.00168	0.535237	7.07E-06
bio6	0.304794	0.107952	0.106629	0.243227	0.034576	-0.06157	-0.02509	0.084063	0.01168	-0.03132	0.034842	-0.03371	0.205461	-0.00177	-0.52558	0.051273	0.083193	-0.18211	-0.19907	0.01519	-0.63854	-8.43E-06
bio7	-0.10451	-0.2958	0.135677	-0.48067	-0.04327	-0.10206	0.130947	-0.1082	-0.08113	0.007944	0.02033	-0.10946	-0.20224	0.021436	0.010845	0.011948	-0.03063	0.318193	0.376819	-0.01917	-0.55298	-7.30E-06
bio8	0.258432	-0.14318	0.215659	-0.06285	-0.02671	0.085462	-0.248	0.383427	-0.00017	0.472053	-0.47559	0.340617	-0.25108	-0.12584	0.008764	-0.01797	-0.03551	0.009053	-0.00563	-0.00489	-1.78E-16	-8.81E-17
bio9	0.30321	0.063371	0.132834	0.142486	0.041081	-0.18596	0.124979	-0.09599	0.011426	-0.39031	0.275883	0.498619	-0.56308	0.025985	0.07001	-0.00958	-0.06874	-0.00063	-0.0186	0.001478	1.81E-16	-1.47E-17
slope	-0.06413	0.029218	-0.4038	-0.06222	-0.12715	<b>-0.82013</b>	-0.24337	0.281946	-0.01137	0.017462	0.008331	-0.00207	0.007295	-0.00352	0.00492	-0.00132	0.002467	-0.00046	0.000686	-0.00069	-6.05E-16	-1.39E-17
eco.	-0.04138	0.301817	0.097066	-0.09772	0.215991	0.016301	-0.3268	-0.08924	-0.84833	-0.06738	-0.02528	0.02088	0.002448	0.024476	0.004223	0.012353	-0.02127	0.00485	0.002782	0.000115	-4.24E-17	-5.13E-18
geom.	0.032675	-0.00691	-0.11109	-0.14498	<b>0.946731</b>	-0.07956	-0.02078	0.0016	0.24292	0.053966	-0.01686	-0.01236	-0.00781	-0.00487	0.000542	-0.00191	0.003426	-0.00089	-0.00084	-0.00022	2.60E-16	-2.90E-17

(b) *S. flavius*

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15	PC16	PC17	PC18	PC19	PC20	PC21	PC22
bio1	0.318537	-0.02475	0.212294	0.015878	0.021098	-0.09991	-0.01085	0.076406	-0.00367	-0.06523	0.040036	-0.15046	0.190361	-0.02175	0.345775	-0.02973	0.0721	-0.5354	0.54962	0.237955	-4.39E-13	-8.16E-15
bio10	0.299703	-0.03894	0.29295	-0.00539	0.045081	-0.15041	0.083057	0.133195	-0.02811	-0.06962	0.025782	-0.15472	0.268227	0.073758	0.359841	-0.03856	-0.07637	0.465134	-0.408	0.382461	-4.72E-15	4.16E-15
bio11	<b>0.329362</b>	0.004282	0.114491	0.040213	-0.01147	-0.06116	-0.09131	-0.02525	0.027516	-0.01155	0.023871	-0.30352	0.003129	0.031245	0.240787	-0.01648	-0.02705	0.050855	-0.06712	-0.83862	-6.85E-14	3.73E-15
bio12	0.059887	<b>0.37082</b>	0.011089	-0.21309	-0.04136	-0.02694	0.065528	-0.0949	0.117395	-0.15338	-0.179	0.012942	-0.00338	-0.58678	0.049599	-0.10092	0.595316	0.128428	-0.01547	-0.00468	2.55E-14	1.07E-14
bio13	0.21042	0.249106	-0.20442	-0.2708	-0.04889	0.068643	0.211256	0.031263	-0.01918	0.145361	-0.08175	0.072561	-0.04928	0.709577	0.028518	-0.05312	0.423126	-0.04357	-0.04311	0.006164	4.13E-14	9.41E-15
bio14	-0.10648	0.323074	0.273852	-0.05925	-0.01851	-0.14155	-0.05341	-0.18227	0.15666	0.420637	0.282432	0.090486	0.02132	-0.00656	0.088237	0.67189	0.012109	0.003987	0.000972	0.002631	-1.90E-14	-3.35E-15
bio15	0.239466	-0.13491	-0.338	-0.0807	-0.00311	0.216778	0.108664	0.251912	-0.22349	0.336761	0.640441	0.074475	0.050198	-0.27969	0.033549	-0.09261	0.089982	0.060657	0.004311	-0.01088	1.32E-14	1.88E-15
bio16	0.191834	0.279461	-0.19063	-0.2437	-0.04124	0.051544	0.209067	0.012182	0.016575	-0.05044	-0.144	0.006602	0.062389	-0.10752	-0.03586	0.079008	-0.4389	-0.03749	0.02309	0.001894	-1.51E-05	-0.70711
bio1	-0.11626	0.319215	0.280059	-0.06175	-0.01385	-0.15444	-0.04474	-0.19904	0.149933	0.342783	0.201147	0.050596	0.036421	0.039863	-0.08352	-0.70901	-0.19983	-0.02002	0.027192	-0.00421	7.11E-16	-2.99E-17
bio18	-0.15136	0.206155	0.170696	-0.3157	-0.05844	<b>0.257742</b>	-0.40041	0.538042	0.265154	-0.34441	0.264229	-0.08065	-0.05982	0.106405	-0.06527	0.012138	-0.03904	-0.0037	-0.00369	-0.00457	1.47E-15	2.39E-16
bio19	0.191834	0.279461	-0.19063	-0.2437	-0.04124	0.051544	0.209067	0.012182	0.016575	-0.05044	-0.144	0.006602	0.062389	-0.10752	-0.03586	0.079008	-0.4389	-0.03749	0.02309	0.001894	1.51E-05	0.707107
bio2	0.007989	-0.32067	0.056284	<b>-0.48968</b>	-0.07006	-0.04743	-0.0941	-0.25853	-0.00961	-0.02353	0.053688	0.004015	-0.04323	-0.08365	0.059899	-0.01003	0.003335	-0.50951	-0.54257	0.034772	-1.35E-14	3.61E-16
bio3	0.249015	-0.13761	-0.1768	-0.09803	-0.11824	0.101614	<b>-0.47994</b>	-0.37582	0.177469	-0.11531	0.022006	0.411923	0.425689	0.077937	-0.01473	0.001072	-0.01167	0.221779	0.17404	-0.01488	-4.96E-15	-9.24E-17
bio4	-0.27682	-0.08023	0.229907	-0.10898	0.106628	-0.11392	0.365772	0.277001	-0.11719	-0.11902	-0.01587	0.510446	0.476933	0.006294	0.04438	-0.00558	0.036156	-0.0792	-0.003	-0.30255	5.56E-15	7.25E-17
bio5	0.255243	-0.17666	0.268085	-0.20808	0.022449	-0.17813	0.102545	-0.01047	-0.06939	-0.03052	0.062611	-0.15385	0.035711	0.009719	-0.61608	0.073652	0.066067	0.115092	0.149763	-0.00157	0.534693	-1.14E-05
bio6	0.304855	0.107677	0.105284	0.243508	0.035135	-0.06147	-0.02709	0.083045	0.013121	-0.02997	0.033973	-0.03445	0.2047	-0.01122	-0.52586	0.051862	0.08183	-0.1858	-0.1955	0.01514	-0.63884	1.36E-05
bio7	-0.10535	-0.29511	0.137543	-0.48235	-0.01888	-0.10119	0.130408	-0.10603	-0.08222	0.005114	0.021285	-0.10893	-0.20189	0.022348	0.011805	0.011298	-0.03064	0.325829	0.370542	-0.019	-0.55316	1.18E-05
bio8	0.258329	-0.14264	0.217948	-0.06108	-0.0465	0.083229	-0.24816	<b>0.37855</b>	-0.00405	0.472182	-0.47802	0.338743	-0.25259	-0.12581	0.011406	-0.01892	-0.03523	0.008973	-0.00579	-0.00494	5.99E-16	-3.73E-16
bio9	0.303192	0.063282	0.131111	0.141782	0.061503	-0.18412	0.121885	-0.0942	0.01573	-0.38858	0.278316	0.500684	-0.5615	0.027545	0.069272	-0.01084	-0.06839	-0.00112	-0.01851	0.00148	4.05E-16	9.00E-17
slope	-0.0636	0.027666	<b>0.39977</b>	-0.06536	-0.12327	-0.82526	-0.24299	0.274342	-0.00836	0.017384	0.007898	-0.00239	0.0069	-0.00333	0.004908	-0.00123	0.002594	-0.00048	0.000822	-0.00075	5.06E-15	-2.37E-17
eco.	-0.04201	0.302434	0.100797	-0.09001	0.172331	0.024965	-0.35498	-0.09581	-0.84478	-0.08341	-0.02767	0.019883	0.003943	0.023452	0.004666	0.012681	-0.02111	0.004956	0.002675	3.97E-05	3.87E-16	2.12E-17
geom.	0.036103	-0.02093	-0.14413	-0.11978	<b>0.950125</b>	-0.0422	-0.09262	-0.00657	0.213095	0.058988	-0.02874	-0.01306	-0.00875	-0.00409	0.002969	-0.00087	0.002903	-0.00062	-0.00077	-0.00028	-7.31E-16	4.40E-17

(c) *S. libidinosus*

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15	PC16	PC17	PC18	PC19	PC20	PC21	PC22
bio1	-0.32002	-0.05325	0.000453	-0.17604	-0.04753	0.080626	0.020746	-0.05752	0.023184	-0.06934	0.02763	-0.07547	-0.22469	-0.14336	-0.03943	0.266574	0.178036	-0.7158	0.313604	0.231068	-6.70E-13	7.20E-16
bio10	-0.29465	-0.08436	0.024728	-0.28572	-0.10716	0.094174	0.068674	-0.20445	0.059178	0.082326	-0.06312	-0.25775	0.105531	-0.0211	0.012465	0.454646	0.291688	0.509281	-0.14614	0.30333	8.96E-13	1.14E-15
bio11	<b>0.32839</b>	-0.02615	0.001655	-0.06693	-0.00574	0.092285	-0.00879	0.086105	-0.06033	-0.08733	0.170472	0.045687	-0.03742	0.012977	0.037739	0.267677	0.136128	0.064247	0.050445	-0.85363	7.78E-13	-1.46E-15
bio12	-0.12243	<b>0.458621</b>	-0.01236	0.014282	0.027852	0.02702	-0.091	0.036214	-0.1597	-0.05604	-0.0672	0.100559	0.33738	-0.42508	-0.06606	-0.33318	0.556764	-0.00116	-0.00196	0.008149	2.13E-14	2.17E-14
bio13	-0.15111	0.415428	-0.07918	0.167772	-0.0787	-0.0553	0.071749	-0.14985	-0.00721	0.14503	-0.08367	-0.06805	-0.45493	0.543389	0.288591	-0.17552	0.281162	0.048043	0.052252	0.013577	-8.99E-15	2.31E-14
bio14	0.076816	0.202116	0.431988	-0.18696	0.065156	0.024497	-0.08553	0.012324	0.264169	0.298199	0.344108	0.083971	-0.23342	0.07113	-0.60367	-0.05108	0.071437	0.053312	-0.0243	-0.0093	-2.42E-14	-6.42E-16
bio15	-0.11397	-0.16167	-0.31031	<b>0.353164</b>	-0.19103	-0.13553	0.27083	-0.28839	0.335299	0.285025	0.508551	0.07838	0.136925	-0.18269	0.057443	-0.09216	0.072514	-0.02882	-0.006	0.002052	-1.39E-14	4.30E-15
bio16	-0.15042	0.426918	-0.08376	0.137094	-0.05469	-0.03157	0.032589	-0.09893	-0.04596	0.081458	-0.10205	-0.01034	0.085019	-0.07967	-0.1397	0.237551	-0.37643	-0.035	-0.05188	-0.00785	-6.46E-06	-0.70711
bio17	0.068028	0.223187	0.426682	-0.196	0.089849	0.028688	-0.12646	0.046193	0.215097	0.232581	0.20787	-0.01057	0.191847	-0.1102	0.6856	0.073496	-0.14714	-0.08854	0.020801	0.00797	9.21E-15	-5.03E-16
bio18	0.208169	0.260453	-0.14047	-0.18856	0.002599	-0.05743	-0.09116	-0.29728	0.232954	-0.71631	0.347996	-0.19148	0.008391	0.068992	-0.00107	-0.00509	-0.04415	0.037167	0.014831	0.002918	3.68E-15	2.67E-16
bio19	-0.15042	0.426918	-0.08376	0.137094	-0.05469	-0.03157	0.032589	-0.09893	-0.04596	0.081458	-0.10205	-0.01034	0.085019	-0.07967	-0.1397	0.237551	-0.37643	-0.035	-0.05188	-0.00785	6.46E-06	0.707107
bio2	0.032222	0.078208	<b>-0.47019</b>	-0.1894	0.110906	0.075557	-0.1886	0.357232	0.289295	0.125942	-0.00768	-0.06802	-0.13854	-0.03337	0.038363	0.049972	0.071325	-0.19335	-0.61935	-0.01081	3.22E-14	1.72E-16
bio3	-0.25423	-0.00921	0.077476	0.284894	0.122125	-0.10398	-0.05146	<b>0.355444</b>	0.652666	-0.15773	-0.28665	-0.19388	0.12133	0.03555	-0.06757	-0.04573	0.004655	0.114454	0.294918	0.007284	-1.07E-14	1.95E-16
bio4	0.28967	-0.04169	0.013685	-0.20959	-0.11011	-0.07603	0.090379	-0.41448	0.192632	0.241123	-0.42389	-0.44024	0.081593	-0.09368	-0.07342	-0.14869	0.048627	-0.18648	0.000744	-0.35152	5.08E-15	2.88E-16
bio5	-0.27378	-0.0256	-0.19504	-0.29288	-0.00393	0.162806	-0.10267	0.049704	-0.095	0.145605	0.152371	-0.15746	0.400864	0.379222	-0.09274	-0.30096	-0.17395	-0.05916	0.157611	0.033053	0.468436	-4.28E-06
bio6	-0.30015	-0.08825	0.204073	0.027014	-0.02683	0.03216	0.032106	-0.05389	-0.06184	-0.08502	0.061038	-0.13726	0.286611	0.28583	-0.06293	-0.19907	-0.05885	-0.19473	-0.30929	0.01651	-0.6897	6.30E-06
bio7	0.142649	0.088515	-0.42038	-0.28221	0.030174	0.097949	-0.12721	0.109485	-0.00336	0.229732	0.053025	0.037867	-0.01793	-0.03531	-6.44E-05	-0.00667	-0.07406	0.193051	0.52005	0.007419	-0.55216	5.04E-06
bio8	-0.27067	-0.04961	-0.01231	-0.35548	-0.10252	0.069738	0.087163	-0.26033	0.295893	-0.1192	-0.29217	0.64148	-0.09909	-0.0513	0.058855	-0.234	-0.16725	0.066697	-0.07189	-0.01128	-3.37E-16	-2.80E-16
bio9	-0.32399	-0.05548	0.052824	-0.04052	-0.01759	0.067064	-0.02338	0.040244	-0.13158	-0.03015	0.11388	-0.40494	-0.44393	-0.44065	0.070348	-0.40751	-0.28884	0.194851	-0.04047	0.009039	7.39E-17	5.43E-17
slope	0.131454	0.004472	0.026251	0.295871	-0.08081	<b>0.920262</b>	-0.08418	-0.13032	0.120744	-0.02794	-0.03569	-0.01354	-0.00957	-0.00662	0.003024	-0.00278	0.001705	-0.0038	0.00175	4.06E-05	-1.36E-16	-2.87E-17
eco.	0.144265	0.163984	0.050347	-0.19994	-0.33316	0.136621	<b>0.765713</b>	0.419475	0.020485	-0.09769	0.034555	-0.06171	0.030181	0.006991	0.002396	-0.03978	-0.01436	-0.01025	0.004289	0.002439	-1.32E-15	1.82E-17
geom.	0.041263	-0.02504	0.066304	0.025842	<b>-0.86898</b>	-0.11357	-0.44561	0.157679	0.017319	-0.02134	-0.0061	0.017254	0.000843	0.005606	0.000189	0.004353	0.001777	-0.00227	0.000654	-0.00071	2.08E-16	7.36E-17

SUPPLEMENTARY TABLE 3 Occurrence records used to generate the potential distribution patterns of the species *A. belzebul*, *S. flavius* and *S. libidinosus* for north-eastern Brazil.

Longitude	Latitude	State	Locality	Author	Register
<b><i>A. belzebul</i></b>					
-56.28	-4.48	PA	MG08128	Meloro et al. 2014a	Museum collection
-56.25	-3.83	PA	Parque Nacional dos Tapajós	Branch, 1983	Direct observation
-55.98	-4.27	PA	MG13261	Meloro et al. 2014a	Museum collection
-55.85	-1.75	PA	MG00502	Meloro et al. 2014b	Museum collection
-55.38	-3.65	PA	Santa Cruz	Meloro et al. 2014a	Museum collection
-54.3	-2.55	PA	MG05158	Meloro et al. 2014a	Museum collection
-53.47	-1.8	PA	MN11603	Meloro et al. 2014a	Museum collection
-52.67	-3.9	PA	Margem do Rio Xingú	Gregorin, 2006	Museum collection
-52.38	-3.65	PA	Cachoeira do espelho	Gregorin, 2006	Museum collection
-51.9	-3.6	PA	Rio Bacajá	Gregorin, 2006	Museum collection
-51.45	-1.75	PA	Estação científica Ferreira Pena	Bobadilla and Ferrari, 2000	Direct observation
-51	-5.28	PA		Meloro et al. 2014a	Museum collection
-50.82	-1.95	PA	Rio pracupy (Portel)	Gregorin, 2006	Museum collection
-50.68	-0.6	AP	MG22521	Meloro et al. 2014a	Museum collection
-50.57	-5.77	PA	National Forest of Tapirape-Aquiri	Monteiro et al. 2013	Direct observation
-50.5	-5.83	PA	Serra dos Carajás, área de cobre	Bonvincino et al. 1989	Museum collection
-50.48	-1.68	PA	Ferreira Penna Scientific Station	de Souza et al. 2002	Direct observation
-50.33	-3.83	PA	Fazenda Arataú	Bobadilla and Ferrari, 2000	Direct observation
-50.25	-6.17	PA	Serra do cobre e serra do manganês	Gregorin, 2006	Museum collection
-50.18	-0.65	PA	Igarapé cururu	Gregorin, 2006	Museum collection
-50.17	-0.17	PA	Faz. São Luiz	Fernandes, M.E.B.,1994	Museum collection
-50.08	-0.6	PA		Meloro et al. 2014a	Museum collection
-50	-5.25	PA	Reserva Natural de Tucuruí	Estalrich et al. 2016	Direct observation
-49.91	-0.18	PA	N. da I de marajó, Chaves, Ig Tapereba	Fernandes, 1994	Museum collection
-49.78	-4.32	PA		Meloro et al. 2014a	Museum collection



*SUPPLEMENTARY TABLE 3 (continued)*

Longitude	Latitude	State	Locality	Author	Register
<b>A. <i>belzebul</i> (continued)</b>					
-49.73	-3.83	PA	Vale do Caraípe	Gregorin, 2006	Museum collection
-49.67	-2.82	PA	Santo Antônio	Gregorin, 2006	Museum collection
-49.67	-4.42	PA	Usina Hidrelétrica Tucuruí	Gregorin, 2006	Museum collection
-49.67	-3.77	PA	MG12385	Meloro et al. 2014a	Museum collection
-49.65	-3.86	PA	Ilha de Germoplasma	Camargo & Ferrari, 2007a	Direct observation
-49.58	-0.03	PA	I. Mexicana	Fernandes, 1994	Museum collection
-49.52	-4.25	PA	Tucuruí hydroelectric reservoir	Bastos et al. 2010	Direct observation
-49.52	-4.47	PA		Meloro et al. 2014a	Museum collection
-49.5	-1.18	PA	Ponta de Pedras, F. São Joaquim, R. arari	Fernandes, 1994	Museum collection
-49.48	-4.65	PA	MG12142	Meloro et al. 2014a	Museum collection
-49.45	-3.7	PA	Rio Tocantins	Meireles et al. 1992	Museum collection
-49.38	-5.68	PA	Itupiranga	Gregorin, 2006	Museum collection
-49.12	-0.83	PA	Ponta de Pedras, Rio Ariri	Gregorin, 2006	Museum collection
-49.12	-0.17	PA	Igarapé Taperebá	Gregorin, 2006	Museum collection
-49	-5	PA	Reservatório Tucuruí	Armada et al. 1987	Capture
-48.98	-2.30	PA	Piratuba	Gregorin, 2006	Museum collection
-48.58	-0.28	PA	Livramento	Gregorin, 2006	Museum collection
-48.22	-7.35	TO	Araguaína	Gregorin, 2006	Museum collection
-47.48	-5.53	MA	Imperatriz	Gregorin, 2006	Museum collection
-47.45	-0.77	PA	Maracanã	Gregorin, 2006	Museum collection
-47.35	-2.98	PA	MG09209	Meloro et al. 2014a	Museum collection
-47.10	-1.55	PA	Ourém	Gregorin, 2006	Museum collection
-45.65	-3.97	MA	MN23198	Meloro et al. 2014a	Museum collection
-45.65	-1.35	MA	MG01021	Meloro et al. 2014a	Museum collection
-45.32	-4.03	MA	Boa Vista	Meloro et al. 2014a	Museum collection
-45.27	-5.53	MA	Aldeia São Pedro	Gregorin, 2006	Museum collection
-43.45	-2.62	PA	Miritiba	Meloro et al. 2014a	Museum collection
-36.30	-10.01	AL	Mata da Usina Coruripe 1	Fialho et al. 2014	Survey and Interview

SUPPLEMENTARY TABLE 3 (continued)

Longitude	Latitude	State	Locality	Author	Register
<b>A. belzebul (continued)</b>					
-36.18	-10.04	AL	Mata da Usina Coruripe 3	Fialho et al. 2014	Survey & interview
-36.13	-9.92	AL	Usina Sinimbu	Fialho et al. 2014	Direct observation
-35.98	-9.52	AL	RPPN Santa Tereza	Fialho et al. 2014	Survey & interview
-35.93	-9.32	AL	Murici	Gregorin, 2006	Museum collection
-35.84	-9.26	AL	Estação Ecológica Murici	Langguth et al. 1987	Museum collection
-35.40	-8.71	PE	Engenho Sacramento	Fialho et al., 2014	Survey
-35.18	-6.73	PB	Rebio Guaribas	Fialho et al. 2014	Survey
-35.15	-7.04	PB	RPPN Pacatuba	Langguth et al. 1987	Museum collection, direct observation
-35.10	-6.96	PB	Dois Rios	Oliveira & Oliveira, 1993	Interview
-35.10	-6.67	PB	Guaribas	Ayres, 1997	N/A
-35.02	-7.15	PB	Açude dos Reis	Oliveira & Oliveira, 1993	Interview, direct observation
-35.02	-6.49	RN	Mata Pituba	Ludwig et al. 2016	Survey
-34.96	-7.03	PB	RPPN Engenho Gargaú	Oliveira & Oliveira, 1993	Interview, direct observation
<b>S. flavius</b>					
-36.31	-10.11	AL	Mata dos Macacos (Usina Coruipe)	Fialho et al. 2014	Survey & interview
-36.24	-9.76	AL	Usina Porto Rico	Fialho et al. 2014	Survey & interview
-36.06	-9.88	AL	Junco (Usina Caete)	Fialho et al. 2014	Survey & interview
-35.50	-9.23	AL	Santa Justina (Usina Santo Antonio)	Fialho et al. 2014	Survey & interview
-35.47	-7.61	PE	Oito Porcos (Serra dos Mascarenhas)	Fialho et al. 2014	Survey & interview
-35.39	-7.61	PE	Agua Azul (Usina Cruanji)	Fialho et al. 2014	Survey & interview
-35.13	-6.61	PB	Estacao Ecologica Estadual do Pau Brasil	Fialho et al. 2014	Survey & interview
-35.13	-6.56	PB	ASPALAN		Direct observation
-35.13	-6.57	PB	Estacao Experimental de Camaratuba-Fazenda Jacana	Fialho et al. 2014	Survey & interview
-35.11	-6.76	PB	Rio Vermelho	Fialho et al. 2014	Survey & interview
-35.11	-6.73	PB	Grupiuna	Fialho et al. 2014	Survey & interview

SUPPLEMENTARY TABLE 3 (continued)

Longitude	Latitude	State	Locality	Author	Register
<b><i>S. flavius</i> (continued)</b>					
-35.10	-6.96	PB	Dois Rios	Fialho et al. 2014	Survey & interview
-35.09	-7.02	PB	Sucupira-Sao Joao-Jacuipe	Fialho et al. 2014	Survey & interview
-35.09	-7.06	PB	Bruxaxa	Fialho et al. 2014	Survey & interview
-35.08	-6.65	PB	Cajarana-Aguas Claras	Fialho et al. 2014	Survey & interview
-35.08	-6.93	PB	Italiana	Fialho et al. 2014	Survey & interview
-35.07	-6.96	PB	Capitao-Sucupira-Pau Brasil	Fialho et al. 2014	Survey & interview
-35.06	-6.64	PB	Jardim	Fialho et al. 2014	Survey & interview
-35.05	-8.53	PE	Usina Salgado	Fialho et al. 2014	Survey & interview
-35.05	-6.6	PB	Estacao Experimental de Camaratuba	Lynch Alfaro et al. 2014	Direct observation
-35.01	-7.78	PE	Mata dos Macacos (Usina Sao Jose)	Fialho et al. 2014	Survey & interview
-35.01	-7.08	PB	Pau de Ze Bedias-Oiteiro	Fialho et al. 2014	Survey & interview
-35.00	-7.77	PE	Mata dos Macacos	Fialho et al. 2014	Direct observation
-34.99	-7.60	PE	Bujari	Fialho et al. 2014	Survey & interview
-34.98	-6.50	PB	Mata da Cristal	Bastos et al. 2015	Direct observation
-34.98	-6.44	RN	RPPN Senador Antonio Farias	Fialho et al. 2014	Survey & interview
-34.98	-7.51	PB	Corrego do Inferno	Fialho et al. 2014	Survey & interview
-34.97	-6.44	PB	Millennium	Fialho et al. 2014	Survey & interview
-34.96	-7.03	PB	RPPN Engenho Gargaú	Oliveira & Oliveira, 1993	Collection, interview & visualization
-34.92	-6.99	PB	Fazenda Pau Brasil 1	Fialho et al. 2014	Survey & interview
-34.92	-7.01	PB	Fazenda Pau Brasil 2	Fialho et al. 2014	Survey & interview
-34.91	-6.86	PB	APA Mamanguape	Fialho et al. 2014	Survey & interview
-34.86	-7.15	PB	Buraquinho	Fialho et al. 2014	Survey & interview
<b><i>S. libidinosus</i></b>					
-53.38	-12.25	MT	MZ 10716	Cárceres et al. 2014	Museum collection
-52.88	-13.10	MT	MZ 06964	Cárceres et al. 2014	Museum collection
-52.75	-13.28	MT	MZ 06961	Melero et al. 2014b	Museum collection

*SUPPLEMENTARY TABLE 3 (continued)*

Longitude	Latitude	State	Locality	Author	Register
<b><i>S. libidinosus (continued)</i></b>					
-52.35	-14.68	MT	MZ 06713	Meloro et al. 2014b	Museum collection
-51.72	-17.88	GO	MZ 07905	Meloro et al. 2014b	Museum collection
-51.63	-15.55	GO	MZ 02364	Meloro et al. 2014b	Museum collection
-50.30	-16.11	GO		Lima et al. 2017	GenBank
-49.97	-16.45	GO	MZ 11095	Meloro et al. 2014b	Museum collection
-49.31	-13.04	GO	Fazenda Santa Tereza,	Mendes et.al. 2015	Direct observation
-49.27	-16.67	GO	MZ 19618	Meloro et al. 2014b	Museum collection
-49.22	-13.98	GO	Fazenda Jatobá	Mendes et.al. 2015	Direct observation
-49.12	-13.94	GO	Mara Rosa - Fazenda Lambari	Mendes et.al. 2015	Direct observation
-48.93	-13.28	GO	Fazenda São Judas Tadeu	Mendes et.al. 2015	Direct observation
-48.84	-13.62	GO	Fazenda Nossa Senhora da Aparecida	Mendes et.al. 2015	Direct observation
-48.80	-13.80	GO	Fazenda Bom sucesso	Mendes et.al. 2015	Direct observation
-48.77	-18.21	GO	Parque Estadual Mata Atlântica (MASP)	Rocha et al. 2015	Sightings & vocalization
-48.38	-19.17	MG	Estação Ecológica do Panga	Bruna et al. 2016	Direct observation
-48.30	-5.28	TO		Lima et al. 2017	GenBank
-48.28	-13.51	GO	Reserva Particular da SAMA	Mendes et.al. 2015	Direct observation
-48.20	-17.46	GO	Goiano Federal Institute - Urutai Campus	da Costa Estrela et al. 2015	Direct observation
-48.20	-15.68	DF	Brasílandia	Lynch Alfaro et al. 2012	Museum collection
-48.17	-18.37	GO	MZ 01430	Cárceres et al. 2014	Museum collection
-48.17	-14.14	GO		Lima et al. 2017	GenBank
-48.08	-15.57	DF	PARNA de Brasília	Sabbatini et al. 2007	Direct observation
-48.03	-15.92	DF	Fazenda Sucupira Embrapa	Vilela, 2007	Direct observation
-47.98	-15.67	DF	Parque Nacional de Brasília	Sabbatini et al. 2007	Direct observation
-47.89	-15.94	DF	Reserva Ecológica do IBGE	Vilela, 2007	Direct observation
-47.48	-14.31	GO	Fazenda Olhos D'água	Mendes et.al. 2015	Direct observation
-47.30	-20.53	SP	Fazenda Santa Gemma	Freitas et al. 2008	Survey

SUPPLEMENTARY TABLE 3 (continued)

Longitude	Latitude	State	Locality	Author	Register
<b><i>S. libidinosus</i> (continued)</b>					
-47.29	-19.35	MG	Galheiros-Mata da Zilda	Neri, 1997	Interview
-46.87	-17.22	MG	NA	Lynch Alfaro et al. 2012	Museum collection
-46.63	-20.73	MG	Faz. Mata da Mandioca	Kinzey, 1982	N/A
-46.41	-13.54	GO	São Domingos	Mendes et.al. 2015	Direct observation
-46.27	-16.94	MG	Fazenda Tres Rios	Lessa et al. 2012	Direct observation
-45.47	-9.85	PI	Guibués – Fazenda Boa Vista	Hinely, 2006	Direct observation
-45.42	-9.66	PI	Fazenda Boa Vista	Haslam et.al. 2014	Direct observation
-45.35	-9.83	PI	Fazenda Boa Vista	Silva, 2010	Photograph
-45.32	-4.03	MA	MZ 02488	Meloro et al. 2014b	Museum collection
-44.20	-7.93	PI		Lima et al. 2017	GenBank
-43.40	-6.17	RN	Serrinha dos Pintos	Ferreira, 2009	Interview
-43.20	-6.25	RN	João Dias	Ferreira, 2009	Interview
-42.72	-8.45	PI	PARNA Serra da Capivara	Falótico et al. 2016	Direct observation
-42.69	-2.62	MA	Estuário do Rio Preguiças	Lynch Alfaro et al. 2014	Direct observation
-42.63	-8.88	PI	Parna Serra da Capivara	Haslam & Falótico, 2015	Direct observation
-42.55	-8.45	PI	PARNA Serra da Capivara	Cardoso, 2014	Direct observation
-42.53	-8.67	PI	Parque Nacional da Serra da Capivara	Moura, 2015	Direct observation
-42.53	-2.71	MA	Estuário do Rio Novo	Lynch Alfaro et al. 2014	Direct observation
-42.43	-5.09	PI		Lima et al. 2017	GenBank
-42.32	-8.43	PI	PARNA Serra da Capivara	Moura, 2007	Direct observation
-41.84	-2.78	MA	Povoado de vassouras	Silva, 2010	Photograph
-41.50	-7.50	PI	Parna Serra da capivara	Moura & Lee, 2004	Direct observation
-39.86	-7.42	PE	Serra das tabocas	Bárbara Moraes (current study)	Direct observation
-39.78	-7.68	PE	Timorante, Serra Da Luveja, Pedra Da Ventania	Oliveira, 2015	Museum collection
-39.72	-7.35	PE	Exú – Fazenda Catareno	Oliveira & Langguth, 2006	Museum collection
-39.65	-7.47	PE	Faz. Mangueira	Bárbara Moraes (current study)	Direct observation

SUPPLEMENTARY TABLE 3 (continued)

Longitude	Latitude	State	Locality	Author	Register
<b><i>S. libidinosus</i> (continued)</b>					
-39.57	-8.30	PE	Serra do Almirante	Bárbara Moraes (current study)	Direct observation
-39.55	-7.65	PE	Cariri mirim	Oliveira & Langguth, 2006	Museum collection
-39.40	-5.79	CE	Fazenda Vila Nova	Silva, 2010	Photograph
-39.32	-7.65	PE	Sítio Boi, Morro Redondo	Oliveira & Langguth, 2006	Museum collection
-38.52	-7.80	PE	Santa Rita, Fazenda Saco Velho	Bárbara Moraes (current study)	Direct observation
-38.30	-6.90	PB	Serra da Boa Vista	Silva, 2010	Museum collection
-38.30	-7.96	PE	Serra Talhada	Moraes et al. 2014	Direct observation
-38.29	-8.10	PE	Serra do Ramalhete	Bárbara Moraes (current study)	Direct observation
-38.28	-6.53	PB	Serra Branca	Silva, 2010	Museum collection
-38.27	-6.32	RN	José da Penha	Ferreira, 2009	Interview
-37.91	-9.00	PE	Sítio do sr. Virgílio	ICMBio (comunicação pessoal)	Direct observation
-37.90	-6.07	RN	Martins	Ferreira, 2009	Direct observation
-37.83	-6.15	RN	Frutuoso Gomes	Ferreira, 2009	Interview
-37.83	-8.21	PE	Serra das Maravilhas	Bárbara Moraes (current study)	Direct observation
-37.41	-9.66	AL	Serra das Ponteiros,	Canale et. al. 2009	Interview, vestiges
-37.40	-7.96	PE	Serra do Estrago	Bárbara Moraes (current study)	Direct observation
-37.20	-8.39	PE	Serra dos Pinheiros	Bárbara Moraes (current study)	Direct observation
-37.06	-7.16	PB	Grota do Adenino, Serra do Firmino	Silva, 2010	Photograph
-37.04	-6.21	RN	Jucurutu	Emidio & Ferreira, 2012	Direct observation
-36.63	-9.40	AL		Oliveira & Langguth, 2006	Museum collection
-42.55	-8.83	PI	PARNA Serra da Capivara no Boqueirão da Pedra Furada	Falótico & Ottoni, 2016	Direct observation
-38.39	-6.40	RN	Serra do Estreito (RN)	Emidio & Ferreira, 2012	Direct observation

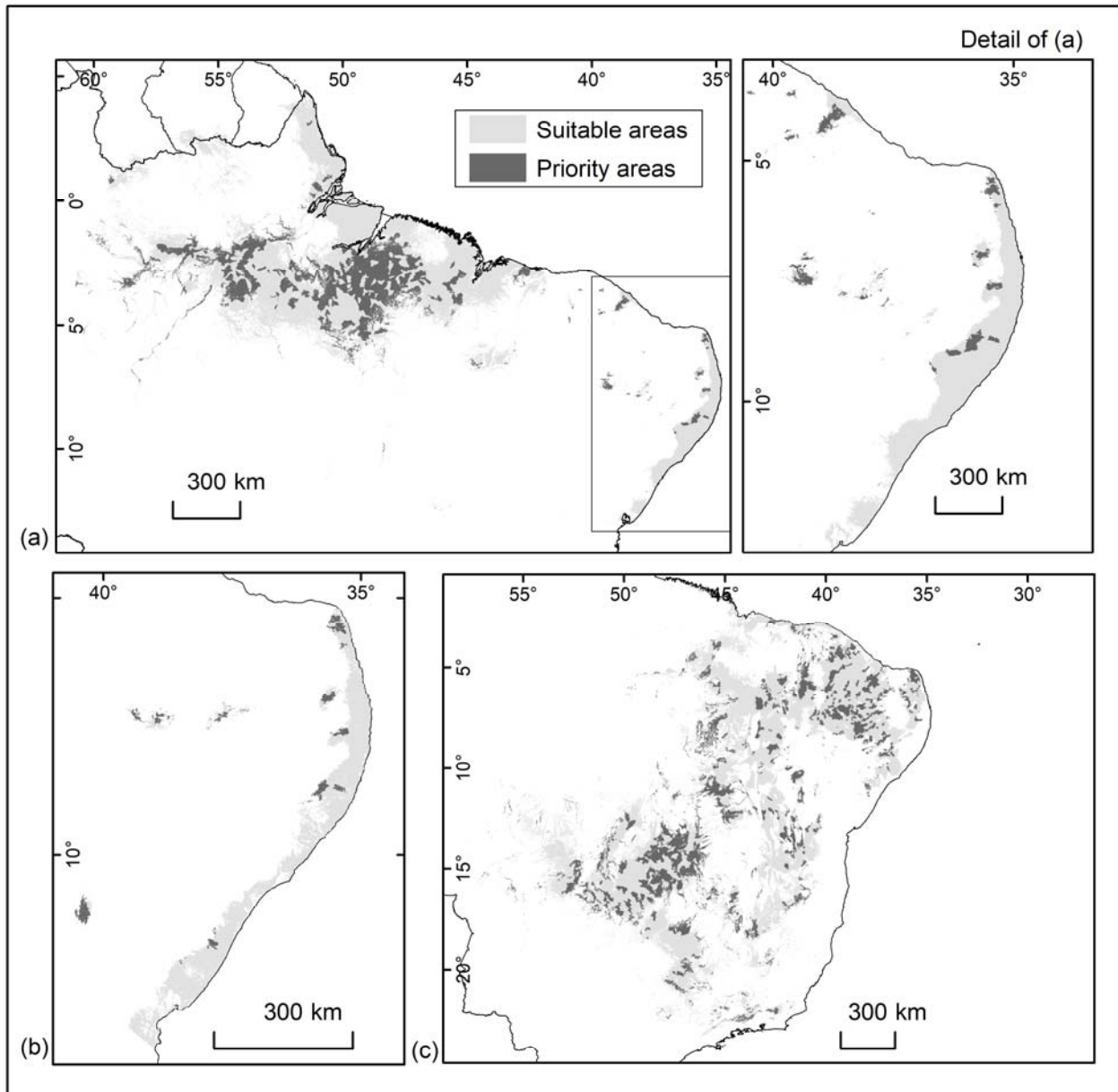
### References for Supplementary Table 3

- ARMADA, J.L.A., BARROS, C.M.L., LIMA, M.M.C., MUNIZ, J.A.P.C. & SEUANEZ, H.N. (1987) Chromosome studies in *Alouatta belzebul*. *American Journal of Primatology*, 13, 283–296
- AYRES, J.M. (1997) *Abordagens Inovadoras para Conservação da Biodiversidade do Brasil: os Corredores Ecológicos das Florestas Neotropicais do Brasil*.:Ministério do Meio Ambiente, Brasília, Brasil.
- BASTOS, H.B., GONÇALVES, E.C., FERRARI, S.F., SILVA, A. & SCHNEIDER, M.P.C. (2010) Genetic structure of red-handed howler monkey populations in the fragmented landscape of eastern Brazilian Amazonia. *Genetics and Molecular Biology*, 33, 774–780.
- Bastos, M., Souto, A., Jones, G., Eason, P., Bione, C., Schiel, N. & BEZERRA, B. (2015) Vocal repertoire of wild blonde capuchins (*Sapajus flavius*) and contextual use of calls. *American Journal of Primatology*, 77, 605–617.
- BOBADILLA, U.L. & FERRARI, S.F. (2000) Habitat use by *Chiropotes satanas utahicki* and syntopic Platyrrhines in eastern Amazonia. *American Journal of Primatology*, 50, 215–224.
- BONVINCINO, C.R., LANGGUTH, A. & MITTERMEIR, R.A. (1989) A study of pelage color and geographic distribution in *Alouatta belzebul* (Primates, Cebidae). *Revista Nordestina de Biologia*, 6, 139–148.
- BRANCH, L.C. (1983) Seasonal and habitat differences in the abundance of primates in the Amazon (Tapajos) National Park, Brazil. *Primates*, 24, 424–431.
- BRUNA, E.M., GUIMARÃES, J.F., LOPES, C.T., DUARTE, P., GOMES, A.C.L., BELENTANI, S.C.S. et al. (2016) Mammalia Estação Ecológica do Panga a Cerrado protected area in Minas Gerais state Brazil. *Check List*, 6, 668–675.
- CÁRCERES, N., MELORO, C., CAROTENUTO, F., PASSARO, F., SPONCHIADO, J., MELO, G.L. & RAIA, P. (2014) Ecogeographical variation in skull shape of capuchin monkeys. *Journal of Biogeography*. 41, 501–512.
- CAMARGO, C.C. & FERRARI, S.F. (2007) Interactions between tayras (*Eira barbara*) and red-handed howlers (*Alouatta belzebul*) in eastern Amazonia. *Primates*, 48, 147–150.
- CANALE, G.R., GUIDORIZZI, C.E., KIERULFF, M.C.M. & GATTO, C.A.F.R. (2009) First record of tool use by wild populations of the yellow-breasted capuchin monkey (*Cebus xanthosternos*) and new records for the bearded capuchin (*Cebus libidinosus*). *American Journal of Primatology*, 71, 366–372.
- CARDOSO, R.M. (2014). *Resolução de problemas por macacos-prego selvagens de duas populações com diferentes repertórios de uso de ferramentas*. Thesis (Programa de Pós-graduação em Psicologia). Instituto de Psicologia da Universidade de São Paulo, São Paulo, Brazil.
- DA COSTA ESTRELA, D., DE SOUZA, D.C., DE SOUZA, J.M. & DA SILVA CASTRO, A. L. (2015) Medium and large-sized mammals in a Cerrado area of the state of Goiás, Brazil. *Check List*, 11, 1690.
- MORAES, B.L.C., DA SILVA SOUTO, A., & SCHIEL, N. (2014) Adaptability in stone tool use by wild capuchin monkeys (*Sapajus libidinosus*). *American Journal of Primatology*, 76, 967–977.
- DE SOUZA, L.L., FERRARI, S.F., DA COSTA, M.L. & KERN, D.C. (2002) Geophagy as a correlate of folivory in red-handed howler monkeys (*Alouatta belzebul*) from eastern Brazilian Amazonia. *Journal of Chemical Ecology*, 28, 1613–1621.
- EMIDIO, R.A. & FERREIRA, R.G. (2012) Energetic payoff of tool use for capuchin monkeys in the Caatinga: variation by season and habitat type. *American Journal of Primatology*, 74, 332–343.
- ESTALRRICH, A., YOUNG, M.B., TEAFORD, M.F. & UNGARM P.F. (2015) Environmental perturbations can be detected through microwear texture analysis in two Platyrrhine species from Brazilian Amazonia. *American Journal of Primatology*, 77, 123–1237.
- FALÓTICO, T. & OTTONI, E.B. (2016) The manifold use of pounding stone tools by wild capuchin monkeys of Serra da Capivara National Park, Brazil. *Behaviour*, 153, 421–442.
- FALÓTICO, T., LUNCZ, L.V., SVENSSON, M.S. & HASLAM, M. (2016) Cashew nut positioning during stone tool use by wild bearded capuchin monkeys (*Sapajus libidinosus*). *Folia Primatologica*, 87, 392–397.
- FERNANDES, M.E.B. (1994) Notes on the geographic distribution of howling monkeys in the Marajó Archipelago, Pará, Brazil. *International Journal of Primatology*, 15, 919–926.
- FERREIRA, R. JERUSALINSKY, L., SILVA, T.C.F., FIALHO, M.S., ROQUE, A.A., FERNANDES, A. & ARRUDA, F. (2009) On the occurrence of *Cebus flavius* (Schreber 1774) in the Caatinga, and the use of semi-arid environments by *Cebus* species in the Brazilian state of Rio Grande do Norte. *Primates*, 50, 357–362.
- FIALHO, M.S., VALENÇA-MONTENEGRO, M.M., SILVA, T.C.F., FERREIRA, J.G. & LAROQUE, P.O. (2014) Ocorrência de *Sapajus flavius* e *Alouatta belzebul* no Centro de Endemismo Pernambuco. *Neotropical Primates*, 21, 214–221.
- FREITAS, C.H.D., SETZ, E.Z., ARAÚJO, A.R., & GOBBI, N. (2008) Agricultural crops in the diet of bearded capuchin monkeys, *Cebus libidinosus* Spix (Primates: Cebidae), in forest fragments in southeast Brazil. *Revista Brasileira de Zoologia*, 25, 32–39.

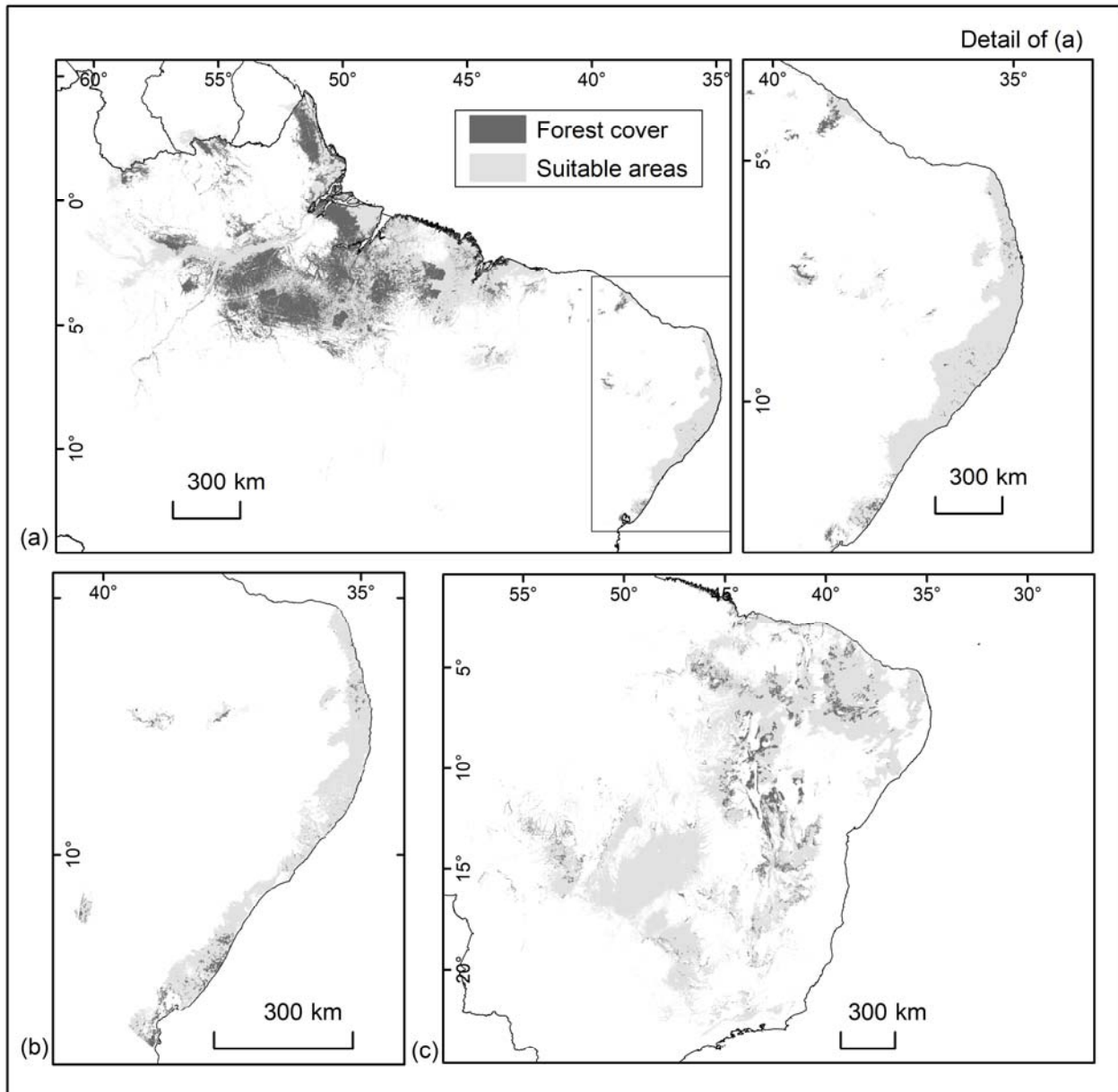
- GREGORIN, R. (2006) Taxonomy and geographic variation of species of the genus *Alouatta* Lacépède (Primates Atelidae) in Brazil. *Revista Brasileira de Zoologia*, 23, 64–144.
- HASLAM, M. & FALÓTICO, T. (2015) Nasal probe and toothpick tool use by a wild female bearded capuchin (*Sapajus libidinosus*). *Primates*, 56, 211–214.
- HASLAM, M., CARDOSO, R. M., VISALBERGHI, E. & FRAGASZY, D. (2014) Stone anvil damage by wild bearded capuchins (*Sapajus libidinosus*) during pounding tool use: a field experiment. *PLOS ONE*, 9, e111273.
- HINELY, A.J. (2006) *GIS-based habitat modeling related to bearded capuchin monkey tool use*. M.A. Thesis, Department of Geography, University of Georgia, Athens, USA.
- KINZEY, W.G. (1982) Distribution of some Neotropical primates and the model of Pleistocene forest refugia. In *The Biological Model of Diversification in the Tropics* (ed. G.T. Prance), pp. 455–482. Columbia University Press, New York, USA.
- LANGGUTH, A., TEIXEIRA, D.M., MITTERMEIER, R.A. & BONVICINO, C. (1987) The red-handed howler monkey in northeastern Brazil. *Primate Conservation*, 8, 36–39.
- LESSA, L. G., ALVES, H., GEISE, L. & BARRETO, R. M. (2012) Mammals of medium and large size in a fragmented Cerrado landscape in northeastern Minas Gerais state, Brazil. *Check List*, 8, 192–196.
- LIMA, M.G.M., BUCKNER, J.C., SILVA-JÚNIOR, J.S., ALEIXO, A.A., MARTINS, A.B., BOUBLI, J.P. et al. (2017) Capuchin monkey biogeography: understanding *Sapajus* Pleistocene range expansion and the current sympatry between *Cebus* and *Sapajus*. *Journal of Biogeography*, 44, 810–820.
- LUDWIG, G., FIALHO, M.S., AZEVEDO, R.B., MARQUES, E.S., VALENÇA-MONTENEGRO, M.M., FILHO, R.F., JERUSALINSKY, L., BUSS, G. (2016). *Atualização da ocorrência de Alouatta belzebul e Sapajus flavius (Mammalia: Primates) em fragmentos florestais na mata atlântica da Paraíba e do Rio Grande do Norte*. In: VIII Seminário de Pesquisa e VIII Encontro de Iniciação Científica do ICMBio, Brasília. v. 1.
- LYNCH ALFARO, J.W., BOUBLI, J.P., OLSON, L.E., DI FIORE, A., WILSON, B., GUTIÉRREZ, E.G.A. et al. (2012) Explosive Pleistocene range expansion leads to widespread Amazonian sympatry between robust and gracile capuchin monkeys. *Journal of Biogeography*, 39, 272–288.
- LYNCH ALFARO, J.W., IZAR, P. & FERREIRA, R.G. (2014) Capuchin monkey research priorities and urgent issues. *American Journal of Primatology*, 76, 705–720.
- MEIRELES, C.M.M., SAMPAIO, M.I.C., SCHNEIDER, H. & SCHNEIDER, M.P.C. (1992) Protein variation, taxonomy and differentiation in five species of marmosets (Genus *Callithrix* ERXLEBEN, 1777). *Primates*, 33, 227–238.
- MELORO, C., CÁCERES, N., CAROTENUTO, F., PASSARO, F., SPONCHIADO, J., MELO, G.L. & RAIA, P. (2014a). Ecogeographical variation in skull morphometry of howler monkeys (Primates: Atelidae). *Zoologischer Anzeiger—A Journal of Comparative Zoology*, 253, 345–359.
- MELORO, C., CÁCERES, N., CAROTENUTO, F., SPONCHIADO, J., MELO, G.L., PASSARO, F. & RAIA, P. (2014b) In and out the Amazonia: evolutionary ecomorphology in howler and capuchin monkeys. *Evolutionary Biology*, 41, 38–51.
- MENDES, F.D.C., CARDOSO, F.M.C., OTTONI, E.B., IZAR, P., VILLAR, D.N.A. & MARQUEZAN, R.F. (2015) Diversity of nutcracking tool sites used by *Sapajus libidinosus* in Brazilian Cerrado. *American Journal of Primatology*, 77, 535–546.
- MONTEIRO, F.O.B., KUGELMEIER, T., VALLE, R.V., LIMA, A.B.F., SILVA, F.E., MARTINS, S. et al. (2013) Evaluation of the fecal steroid concentrations in *Alouatta belzebul* (Primates, Atelidae) in the National Forest of Tapirape-Aquiri in Pará, Brazil. *Journal of Medical Primatology*, 42, 325–332.
- MOURA, A.C DE A. & LEE, P.C. (2004) Capuchin stone tool use in Caatinga dry forest. *Science*, 306, 1909.
- MOURA, A.C DE A. (2007) Primate group size and abundance in the Caatinga dry forest, northeastern Brazil. *International Journal of Primatology*, 28, 1279–1297.
- MOURA, A.C.D.A. (2015) Hand preference during tool use in wild bearded capuchins. *Folia Primatologica*, 86, 411–419.
- NERI, F.M. (1997) *Manejo de Callicebus personatus Geoffroy 1802 resgatados: uma tentativa de reintrodução e estudos ecológicos de um grupo silvestre na Reserva do Patrimônio Natural Galheiro - Minas Gerais*. Thesis, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil.
- OLIVEIRA, M.M. & OLIVEIRA, J.C.C. (1993). A situação dos cebídeos como indicador do estado de conservação da Mata Atlântica no Estado da Paraíba, Brasil. In *A Primatologia no Brasil 4* (eds. M.E. Yamamoto & M.B.C. Souza), pp.155–167. Editora Universitária, Natal, Brazil.
- OLIVEIRA, M.M. & LANGGUTH, A. (2006) Rediscovery of Marcgrave's capuchin monkeys and designation of a neotype for *Simia flavia* Schreber, 1774 (Primate, Cebidae). *Boletim do Museu Nacional*. Nova Série Zoologia, 523, 1–16.



- OLIVEIRA, D.G.R. (2015) *Primatas do Cerrado: conservação, biogeografia e mudanças climáticas*. Thesis. Instituto de Ciências Biológicas. Universidade de Brasília, Brasília, Brazil.
- ROCHA, E.C., SOARES, K.L. & PEREIRA, I.M. (2015) Medium- and large-sized mammals in Mata Atlântica State Park southeastern Goiás Brazil. *Check List*, 11, 1801.
- SABBATINI, G., STAMMATI, M., TAVARES, M.C.H. & VISALBERGHI, E. (2007) Response toward novel stimuli in a group of tufted capuchins (*Cebus libidinosus*) in Brasília National Park Brazil. *American Journal of Primatology*, 69, 457–470.
- SILVA, T.C.F. (2010) *Estudo da variação de pelagem e da distribuição geográfica em Cebus flavius Schrebes, 1774 e Cebus libidinosus Spix, 1823 (Primates, Cebidae)*. Thesis. Universidade Federal da Paraíba. João Pessoa, Brazil.
- VILELA, S.L. (2007) Sympatry and diet of *Callithrix penicillate* (Hershkovitz) (Callitrichidae) and *Cebus libidinosus* (Spix) (Cebidae) in gallery forests from Distrito Federal Brasil. *Revista Brasileira de Zoologia*, 24, 601–607.



SUPPLEMENTARY FIG. 2 Suitability areas for occurrence of (a) *A. belzebul*, (b) *S. flavius* and (c) *S. libidinosus* and their relation with government priority areas. Priority areas for biodiversity conservation are established by the Brazilian government based on biodiversity indices, threat level and ecoregions, among other criteria.



SUPPLEMENTARY FIG. 3 Suitability areas for occurrence of (a) *A. belzebul*, (b) *S. flavius* and (c) *S. libidinosus* and their relation with forested areas. Areas occupied by forests are those with tree formations > 5 m high, including areas of dense, open, seasonal and mixed ombrophilous forest, and forested savannah, Campinarana and mangroves (IBGE, 2017).

SUPPLEMENTARY TABLE 4 List of government priority areas for conservation that currently exist in areas predicted by our models as suitable for the future occurrence of (1) *Alouatta belzebul*, (2) *Sapajus flavius*, and (3) *Sapajus libidinosus*. We considered the presence of priority areas in future scenarios of moderate and severe climate change. We also list the biological importance and actions for conservation of these areas. This information was collected in studies conducted with the participation of researchers, managers and representatives of various Brazilian institutions and conducted by the Brazilian Ministry of Environment between 2012 and 2018 (MMA, 2018a). Some government priority areas are inside officially protected areas.

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
1	AMZ-010	Amazon	High	Supervision & control of illegal activities	2		
2	AMZ-114	Amazon	Very high	Restoration of degraded areas	1, 3	3	
3	AMZ-115	Amazon	Extremely high	Restoration of degraded areas	1		Yes
4	AMZ-116	Amazon	Extremely high	Restoration of degraded areas	1, 3	1, 3	
5	AMZ-117	Amazon	High	Restoration of degraded areas	1		
6	AMZ-118	Amazon	Very high	Restoration of degraded areas	1		
7	AMZ-119	Amazon	High	Restoration of degraded areas	1		
8	AMZ-120	Amazon	Extremely high	Restoration of degraded areas	1		
9	AMZ-122	Amazon	High	Restoration of degraded areas	1, 3		
10	AMZ-124	Amazon	Extremely high	Restoration of degraded areas	1		
11	AMZ-148	Amazon	Extremely high	Monitoring & management	1		
12	AMZ-195	Amazon	Extremely high	Protected area extension	1		
13	AMZ-020	Amazon	Extremely high	Protection of relevant geological formation/recognition	1		
14	AMZ-202	Amazon	Extremely high	Recognition of Indigenous lands	1	1	
15	AMZ-024	Amazon	Extremely high	Restoration of degraded areas	1		
16	AMZ-294	Amazon	Extremely high	Scientific research	1		Yes
17	AMZ-313	Amazon	Extremely high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	1		Yes
18	AMZ-317	Amazon	High	Integrated & participatory management of protected areas, ecological corridors and territories of traditional peoples & communities	1		
19	AMZ-367	Amazon	High	Supervision & control of illegal activities	1		
20	AMZ-368	Amazon	High	Supervision & control of illegal activities	1		

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
21	AMZ-369	Amazon	High	Supervision & control of illegal activities	1		
22	AMZ-424	Amazon	Extremely high	Regularização de atividade degradante	1		
23	AMZ-426	Amazon	Extremely high	Protection of relevant geological formation / Recognition	1, 3	1, 3	Yes
24	AMZ-491	Amazon	Extremely high	Supervision & control of illegal activities	1		
25	AMZ-507	Amazon	Extremely high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	1		
26	AMZ-512	Amazon	Extremely high	Supervision and control of illegal activities	1		
27	AMZ-532	Amazon	Extremely high	Monitoring & Management	1		
28	AMZ-533	Amazon	Extremely high	Monitoring & Management	1		
29	AMZ-546	Amazon	Extremely high	Regularization of degrading activity	1	1	
30	AMZ-547	Amazon	Very high	Regularization of degrading activity	1	1	
31	AMZ-548	Amazon	High	Regularization of degrading activity	1		
32	AMZ-549	Amazon	Extremely high	Regularization of degrading activity	1		
33	AMZ-055	Amazon	Extremely high	Protection of relevant geological formation / Recognition	1		
34	AMZ-566	Amazon	Extremely high	Creation of sustainable use protected areas	1		
35	AMZ-567	Amazon	Extremely high	Strengthening management tools	1		Yes
36	AMZ-581	Amazon	Extremely high	Strengthening the value chains of socio-biodiversity products	1		Yes
37	AMZ-617	Amazon	Extremely high	Strengthening the value chains of socio-biodiversity products	1	1	
38	AMZ-618	Amazon	High	Strengthening the value chains of socio-biodiversity products	1		
39	AMZ-702	Amazon	Extremely high	Regularization of degrading activity	1	1	
40	AMZ-711	Amazon	Extremely high	Restoration of degraded areas	1, 3	3	Yes
41	AMZ-718	Amazon	Muito High	Restoration of degraded areas	1		
42	AMZ-728	Amazon	High	Restoration of degraded areas	1		
43	AMZ-777	Amazon	Extremely high	Restoration of degraded areas	1		
44	AMZ-008	Amazon	Very high	Strengthening the value chains of socio-biodiversity products	1		

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
45	AMZ-824	Amazon	Very high	Restoration of degraded areas	1		
46	AMZ-825	Amazon	Extremely high	Restoration of degraded areas	1		
47	AMZ-826	Amazon	Extremely high	Restoration of degraded areas	1		
48	AMZ-827	Amazon	High	Restoration of degraded areas	1		
49	AMZ-846	Amazon	Very high	Restoration of degraded areas	1		
50	AMZ-849	Amazon	High	Restoration of degraded areas	1		
51	AMZ-850	Amazon	High	Restoration of degraded areas	1		
52	AMZ-857	Amazon	Extremely high	Restoration of degraded areas	1		
53	AMZ-858	Amazon	High	Restoration of degraded areas	1	1	
54	AMZ-859	Amazon	Extremely high	Restoration of degraded areas	1	1	
55	AMZ-867	Amazon	Very high	Supervision & control of illegal activities	1		
56	AMZ-901	Amazon	Extremely high	Restoration of degraded areas	1		
57	AMZ-902	Amazon	High	Restoration of degraded areas	1		
58	AMZ-903	Amazon	Extremely high	Strengthening the value chains of socio-biodiversity products	1	1	
59	AMZ-909	Amazon	High	Restoration of degraded areas	1		Yes
60	AMZ-143	Amazon	Very high	Monitoring & Management	3		
61	AMZ-216	Amazon	Very high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3		
62	AMZ-217	Amazon	Extremely high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	
63	AMZ-304	Amazon	Extremely high	Monitoring & Management	3		
64	AMZ-313	Amazon	Extremely high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3		
65	AMZ-334	Amazon	High	Regularization of degrading activity	3		
66	AMZ-335	Amazon	Very high	Regularization of degrading activity	3	3	
67	AMZ-338	Amazon	Very high	Regularization of degrading activity	3		
68	AMZ-339	Amazon	Very high	Regularization of degrading activity	3		

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
69	AMZ-340	Amazon	Very high	Regularization of degrading activity	3		
70	AMZ-342	Amazon	Extremely high	Regularization of degrading activity	3		
71	AMZ-343	Amazon	High	Regularization of degrading activity	3		
72	AMZ-344	Amazon	Extremely high	Regularization of degrading activity	3		
73	AMZ-345	Amazon	Very high	Regularization of degrading activity	3		
74	AMZ-347	Amazon	High	Regularization of degrading activity	3		
75	AMZ-370	Amazon	Very high	Supervision & control of illegal activities	3		
76	AMZ-371	Amazon	Very high	Supervision & control of illegal activities	3		
77	AMZ-374	Amazon	Very high	Supervision & control of illegal activities	3		
78	AMZ-413	Amazon	High	Supervision & control of illegal activities	3	3	
79	AMZ-525	Amazon	High	Monitoring & management	3		
80	AMZ-527	Amazon	Very high	Monitoring & management	3		
81	AMZ-529	Amazon	High	Monitoring & management	3		
82	AMZ-531	Amazon	Extremely high	Monitoring & management	3	3	
83	AMZ-541	Amazon	Extremely high	Supervision & control of illegal activities	3		
84	AMZ-641	Amazon	High	Creation of sustainable use protected areas	3	3	
85	AMZ-713	Amazon	Extremely high	Restoration of degraded areas	3		Yes
86	AMZ-795	Amazon	High	Restoration of degraded areas	3	3	Yes
87	AMZ-797	Amazon	High	Restoration of degraded areas	3	3	
88	AMZ-798	Amazon	High	Restoration of degraded areas	3	3	
89	AMZ-799	Amazon	Extremely high	Restoration of degraded areas	3	3	
90	AMZ-801	Amazon	Very high	Restoration of degraded areas	3		
91	AMZ-802	Amazon	Extremely high	Restoration of degraded areas	3		
92	AMZ-803	Amazon	High	Restoration of degraded areas	3		
93	AMZ-804	Amazon	High	Restoration of degraded areas	3		
94	AMZ-806	Amazon	Very high	Restoration of degraded areas	3		
95	AMZ-807	Amazon	Very high	Restoration of degraded areas	3		
96	AMZ-808	Amazon	Extremely high	Restoration of degraded areas	3		
97	AMZ-816	Amazon	Extremely high	Restoration of degraded areas	3		
98	AMZ-847	Amazon	Extremely high	Restoration of degraded areas	3	3	

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
99	AMZ-089	Amazon	High	Creation of sustainable use protected areas	3		
100	AMZ-009	Amazon	Extremely high	Regularization of degrading activity	3		
101	AMZ-090	Amazon	High	Creation of sustainable use protected areas	3		
102	AMZ-091	Amazon	Very high	Creation of sustainable use protected areas	3		
103	MA263	Atlantic Forest	Very high	Creation of Integral Protection protected area	1, 2		Yes
104	MA264	Atlantic Forest	Very high	Environmental regularization of rural properties	1, 2		
105	MA262	Atlantic forest	Extremely high	Creation of Integral Protection protected area	1		
106	MA145	Atlantic forest	High	Environmental regularization of rural properties	3	3	Yes
107	MA148	Atlantic forest	High	Environmental regularization of rural properties	3	3	
108	MA155	Atlantic forest	Very high	Environmental regularization of rural properties	3	3	
109	MA159	Atlantic forest	Extremely high	Municipal Plan for Conservation & Recovery of the Atlantic Fores	3	3	Yes
110	MA168	Atlantic forest	High	Environmental regularization of rural properties	3	3	
111	MA180	Atlantic forest	High	Municipal Plan for Conservation & Recovery of the Atlantic forest	3	3	
112	MA186	Atlantic forest	Very high	Municipal Plan for Conservation & Recovery of the Atlantic forest	3	3	
113	MA211	Atlantic forest	Extremely high	Proteção de espécies	3	3	
114	MA217	Atlantic forest	High	Watershed Management Plans	3	3	
115	MA218	Atlantic forest	High	Restoration of degraded areas	3	3	
116	MA219	Atlantic forest	High	Environmental regularization of rural properties	3	3	
117	MA222	Atlantic forest	High	Restoration of degraded areas	3	3	
118	MA225	Atlantic forest	High	Environmental regularization of rural properties	3	3	
119	MA229	Atlantic forest	Very high	Undefined category protected area creation	3	3	
120	MA107	Atlantic forest	Very high	Protected Area Extension	3	3	Yes
121	MA134	Atlantic forest	Very high	Restoration of degraded areas	3	3	
122	MA143	Atlantic forest	Extremely high	Protected area extension	3	3	Yes
123	MA142	Atlantic forest	Extremely high	Municipal Plan for Conservation & Recovery of the Atlantic Forest	3		



*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
124	MA152	Atlantic forest	Extremely high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	
125	MA161	Atlantic forest	High	Scientific research	3	3	
126	MA153	Atlantic forest	Very high	Endangered species recovery & management	3	3	Yes
127	MA163	Atlantic forest	Extremely high	Inspection & control of illegal activities	3	3	
128	MA170	Atlantic forest	Very high	Inspection & control of illegal activities	3	3	Yes
129	MA174	Atlantic forest	Extremely high	Endangered species recovery & management	3	3	
130	MA173	Atlantic forest	High	Protected area creation	3	3	
131	MA176	Atlantic forest	High	Endangered species recovery & management	3	3	
132	MA177	Atlantic forest	Extremely high	Endangered species recovery & management	3	3	
133	MA183	Atlantic forest	Extremely high	Restoration of degraded areas	3	3	
134	MA184	Atlantic forest	Extremely high	Sustainable tourism development	3	3	
135	MA190	Atlantic forest	High	Protected area creation	3	3	
136	MA200	Atlantic forest	Extremely high	Environmental regularization of rural properties	3	3	
137	MA201	Atlantic forest	High	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	
138	MA202	Atlantic forest	High	Limitation/regularization of degrading activities	3	3	
139	MA203	Atlantic forest	Very high	Endangered species recovery & management	3	3	
140	MA207	Atlantic forest	Extremely high	Sustainable management	3	3	
141	MA206	Atlantic forest	High	Sustainable tourism development	3	3	
142	MA209	Atlantic forest	Very high	Environmental regularization of rural properties	3	3	Yes
143	MA214	Atlantic forest	High	Endangered species recovery & management	3	3	
144	MA224	Atlantic forest	High	Limitation/regularization of degrading activities	3	3	
145	MA230	Atlantic forest	High	Restoration of degraded areas	3	3	
146	MA151	Atlantic forest	Extremely high	Scientific research	3	3	Yes
147	MA137	Atlantic forest	Very high	Limitation/regularization of degrading activities	3	3	Yes
148	MA195	Atlantic forest	Extremely high	Development of financial support mechanisms	3	3	

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
149	MA205	Atlantic forest	Very high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	Yes
150	MA234	Atlantic forest	Very high	Restoration of degraded areas	3	3	
151	MA238	Atlantic forest	Very high	Endangered species recovery & management	3	3	
152	MA240	Atlantic forest	High	Restoration of degraded areas	3	3	
153	MA243	Atlantic forest	Very high	Restoration of degraded areas	3	3	
154	MA236	Atlantic forest	Very high	Protected Area Extension	3	3	Yes
155	MA156	Atlantic forest	High	Environmental regularization of rural properties	3	3	Yes
156	MA146	Atlantic forest	Very high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	Yes
157	MA131	Atlantic forest	Extremely high	Environmental regularization of rural properties	3	3	Yes
158	MA226	Atlantic forest	High	Restoration of degraded areas	3	3	Yes
159	Fortaleza e Costa Oeste	Caatinga	Extremely high	Undefined category protected area creation	1, 2, 3	1, 2, 3	Yes
160	Mato Grande	Caatinga	Extremely high	Creation of Integral Protection protected area	1, 2, 3	1, 3	
161	Macaí-ba	Caatinga	Extremely high	Undefined category protected area creation	1, 2, 3	1	
162	Brejos Paraibano	Caatinga	Extremely high	Undefined category protected area creation	1, 2, 3	1, 2, 3	
163	Parque Poeta	Caatinga	High	Restoration of degraded areas	1, 2, 3	1	
164	Araripe	Caatinga	Very high	Undefined category protected area creation	1, 2, 3	3	Yes
165	Serra do Mascarenhas	Caatinga	Very high	Creation of Integral Protection protected area	1, 2, 3	1, 3	Yes
166	Jacobina	Caatinga	Extremely high	Creation of Integral Protection protected area	2, 3	3	Yes
167	Explanada	Caatinga	High	Caatinga sustainable management for livestock	1, 2, 3	3	
168	Moraújo	Caatinga	Very high	Creation of Integral Protection protected area	1, 3	3	Yes
169	Itapipoca	Caatinga	Very high	Restoration of degraded areas	1, 3	1, 3	
170	Meruoca	Caatinga	Very high	Creation of Integral Protection protected area	1, 3	3	Yes
171	Santa Quitéria	Caatinga	Very high	Creation of Integral Protection protected area	1, 3	3	
172	Canindé	Caatinga	Very high	Restoration of degraded areas	1, 3	1, 3	Yes

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
173	Chorozinho	Caatinga	Extremely high	Restoration of degraded areas	1, 3	1, 3	
174	Bica do Ipú	Caatinga	Very high	Creation of Integral Protection protected area	1, 3	3	Yes
175	Serra do Machado	Caatinga	Very high	Undefined category protected area creation	1, 3	1, 3	
176	Itatira sul	Caatinga	Very high	Restoration of degraded areas	1, 3	1, 3	
177	Monolitos de Quixadá	Caatinga	Extremely high	Undefined category protected area creation	1, 3	3	
178	Vera Cruz	Caatinga	Extremely high	Restoration of degraded areas	1, 3		
179	Curimataú	Caatinga	Extremely high	Undefined category protected area creation	1, 3	1, 3	
180	Remigio	Caatinga	High	No actions recommended by selection workshop	1, 3	1, 3	
181	Serra da Mina	Caatinga	Very high	Creation of Integral Protection protected area	1, 3	3	
182	Serra do Teixeira	Caatinga	Very high	Creation of Integral Protection protected area	1, 3	1, 3	
183	Serra da Matinha	Caatinga	High	Creation of Integral Protection protected area	1, 3	3	
184	Serra Talhada	Caatinga	Extremely high	Creation of Integral Protection protected area	1, 3	1	Yes
185	Serra das Pias	Caatinga	Extremely high	No actions recommended by selection workshop	1, 3	3	
186	Lençóis	Caatinga	Very high	Restoration of degraded areas	1, 3	3	Yes
187	Catimbau	Caatinga	Extremely high	Creation of Integral Protection protected area	1, 3	3	
188	Tabuleiro Costeiro	Caatinga	High	Undefined category protected area creation	3		Yes
189	Granja	Caatinga	Very high	Creation of Integral Protection protected area	3	3	Yes
190	Marco	Caatinga	Very high	Creation of sustainable use protected areas	3	3	
191	Acaraú	Caatinga	High	Biological Inventory	3	3	
192	Irauçuba/Tejuçuoca	Caatinga	Very high	Creation of Integral Protection protected area	3	3	
193	Carnaubal/Arabé	Caatinga	High	Restoration of degraded areas	3	3	Yes
194	Guaraciaba do Norte	Caatinga	Extremely high	No actions recommended by selection workshop	3		
195	Opala	Caatinga	High	Undefined category protected area creation	3	3	Yes

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
196	Nova Russas	Caatinga	Extremely high	Restoration of degraded areas	3	3	
197	Apudi Mossoró	Caatinga	High	Restoration of degraded areas	3		
198	Pedra Gr&e	Caatinga	High	Restoration of degraded areas	3		
199	Sertão	Caatinga	Extremely high	Creation of sustainable use protected areas	3	3	Yes
200	Prata Velha do Piauí-	Caatinga	Very high	No actions recommended by selection workshop	3		
201	Jardim dos Angicos	Caatinga	High	No actions recommended by selection workshop	3	3	
202	Chapada do Apodi	Caatinga	Extremely high	Creation of Integral Protection protected area	3	3	
203	Sítio dos Padres	Caatinga	High	No actions recommended by selection workshop	3		
204	Pedra Branca	Caatinga	High	Creation of Integral Protection protected area	3	3	
205	Serra do Pereiro	Caatinga	High	Creation of Integral Protection protected area	3	3	Yes
206	Solonopolis	Caatinga	High	Creation of Integral Protection protected area	3		
207	Alto dos Coqueiros	Caatinga	Extremely high	Creation of Integral Protection protected area	3		
208	Soltas 2	Caatinga	Very high	No actions recommended by selection workshop	3		
209	Soltas 1	Caatinga	Very high	No actions recommended by selection workshop	3		
210	Mombaça sul	Caatinga	High	Restoration of degraded areas	3	3	
211	Macaíba	Caatinga	Extremely high	Undefined category protected area creation	3	3	
212	Nascentes do Poti 2	Caatinga	High	Undefined category protected area creation	3	3	
213	Nascente do Potengi	Caatinga	High	Creation of Integral Protection protected area	3	3	
214	São Francisco	Caatinga	Extremely high	Undefined category protected area creation	3		
215	Palmeirais	Caatinga	High	Restoration of degraded areas	3	3	
216	Serra Augusto Severo	Caatinga	High	Creation of Integral Protection protected area	3	3	

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
217	Monte Alegre	Caatinga	Extremely high	Restoration of degraded areas	3	3	
218	Ponta de Orós	Caatinga	High	No actions recommended by selection workshop	3		
219	Valença	Caatinga	Very high	Undefined category protected area creation	3	3	
220	Serra de Santana	Caatinga	High	Creation of Integral Protection protected area	3	3	
221	Serra de Martins	Caatinga	Extremely high	Creation of Integral Protection protected area	3	3	
222	Nascentes do Poti 3	Caatinga	Very high	Restoration of degraded areas	3	3	
223	Caiada	Caatinga	Very high	Undefined category protected area creation	3	3	
224	Baixão do Coco	Caatinga	Extremely high	No actions recommended by selection workshop	3		
225	Chapada São José - MA/PI	Caatinga	High	Undefined category protected area creation	3	3	
226	Jucurutu	Caatinga	Very high	Undefined category protected area creation	3	3	
227	Lagoas do Jacu	Caatinga	Extremely high	Restoration of degraded areas	3	3	
228	Tucuns	Caatinga	Extremely high	No actions recommended by selection workshop	3	3	
229	Santa Cruz	Caatinga	High	Restoration of degraded areas	3	3	
230	Santo Antonio 1	Caatinga	Extremely high	Restoration of degraded areas	3	3	
231	Trussu	Caatinga	High	Creation of Integral Protection protected area	3	3	
232	Lima Campos	Caatinga	Very high	Restoration of degraded areas	3	3	
233	Timbauba	Caatinga	Very high	Restoration of degraded areas	3		
234	Picuí	Caatinga	High	Restoration of degraded areas	3	3	
235	Serra de Luis Gomes	Caatinga	High	Creation of Integral Protection protected area	3	3	
236	Santo Antonio 2	Caatinga	Extremely high	Restoration of degraded areas	3	3	
237	Acari	Caatinga	High	Undefined category protected area creation	3		
238	Campestre	Caatinga	Extremely high	No actions recommended by selection workshop	3	3	
239	Japi	Caatinga	Extremely high	No actions recommended by selection workshop	3	3	
240	Parambú/Cococi	Caatinga	High	Creation of Integral Protection protected area	3	3	
241	Rio Canindé	Caatinga	Very high	No actions recommended by selection workshop	3		
242	Caico	Caatinga	High	Undefined category protected area creation	3	3	

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
243	Riacho dos Cavalos	Caatinga	High	Undefined category protected area creation	3	-	
244	Cap. De Campo	Caatinga	Extremely high	No actions recommended by selection workshop	3	-	
245	Serra Negra	Caatinga	High	Undefined category protected area creation	3	3	
246	Serido	Caatinga	High	Environmental Education	3	3	Yes
247	SEM NOME	Caatinga	Very high	Reforestation	3	3	
248	Serra do Comissário	Caatinga	Very high	Creation of Integral Protection protected area	3	3	
249	Caipu	Caatinga	Very high	No actions recommended by selection workshop	3	3	
250	Açude do Xixa	Caatinga	High	No actions recommended by selection workshop	3	3	
251	Gurgueia	Caatinga	Extremely high	Creation of Integral Protection protected area	3	-	
252	Serra de São José de Espinharas	Caatinga	Extremely high	Restoration of degraded areas	3	-	
253	Serra de Santa Catarina	Caatinga	Very high	Creation of Integral Protection protected area	3	3	
254	São Romão/Cajazeiras	Caatinga	Very high	No actions recommended by selection workshop	3	3	
255	Serra de Santa Luzia	Caatinga	High	Creation of Integral Protection protected area	3	3	
256	Oeiras/Lagoa Tabuleiro	Caatinga	Very high	No actions recommended by selection workshop	3	3	
257	Salitre 1	Caatinga	High	Restoration of degraded areas	3	3	Yes
258	Parque Poeta	Caatinga	High	Restoration of degraded areas	3	3	Yes
259	Gurinhém	Caatinga	Extremely high	Undefined category protected area creation	3	3	
260	Pico do Jabre	Caatinga	Extremely high	Creation of Integral Protection protected area	3	3	
261	Salitre 2	Caatinga	Very high	Restoration of degraded areas	3	3	Yes

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
262	Bonito de Santa Fé/Piranhas	Caatinga	Extremely high	Creation of sustainable use protected areas	3	3	
263	Olho D'Água	Caatinga	High	Undefined category protected area creation	3		
264	Gesseiro	Caatinga	Extremely high	Restoration of degraded areas	3	3	Yes
265	Borda do Araripe	Caatinga	High	Restoration of degraded areas	3	3	Yes
266	Queimadas	Caatinga	Very high	Undefined category protected area creation	3		
267	Jatobá	Caatinga	Extremely high	Restoration of degraded areas	3	3	
268	Conceição	Caatinga	Extremely high	Restoration of degraded areas	3	3	
269	Araripina	Caatinga	Very high	Restoration of degraded areas	3	3	Yes
270	Pau Branco	Caatinga	High	Undefined category protected area creation	3	3	
271	Brejo Santo	Caatinga	Extremely high	Restoration of degraded areas	3	3	Yes
272	Ipubi-Trindade	Caatinga	Very high	Restoration of degraded areas	3	3	Yes
273	Monteiro	Caatinga	Very high	Restoration of degraded areas	3	3	
274	Floresta Nacional de Negreiros	Caatinga	High	Strengthen protected area management	3	3	Yes
275	Pajeú	Caatinga	High	Creation of Integral Protection protected area	3	3	
276	Serra do Capim	Caatinga	High	Undefined category protected area creation	3	3	
277	Rio Itaueira	Caatinga	High	Creation of sustainable use protected areas	3		
278	Periperi	Caatinga	High	No actions recommended by selection workshop	3		
279	Complexo de Serras Livramento	Caatinga	High	Creation of Integral Protection protected area	3	3	
280	Serras do Almirante e Boqueirão	Caatinga	High	Undefined category protected area creation	3	3	
281	Serra da Capivara	Caatinga	Very high	No actions recommended by selection workshop	3		Yes
282	Serra da Canoa	Caatinga	Very high	Undefined category protected area creation	3	3	Yes
283	Floresta	Caatinga	High	Undefined category protected area creation	3	3	
284	Caboclo	Caatinga	High	Creation of Integral Protection protected area	3	3	
285	Ibimirim	Caatinga	Very high	No actions recommended by selection workshop	3	3	
286	Serra do Açude Saco II	Caatinga	High	Creation of Integral Protection protected area	3	3	Yes

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
287	Lajedo/Cachoeirinha	Caatinga	Extremely high	No actions recommended by selection workshop	3	3	
288	Sertão de Itaparica	Caatinga	Very high	Undefined category protected area creation	3	3	
289	Afluentes do Piauí	Caatinga	High	Restoration of degraded areas	3		
290	Águas Belas	Caatinga	Extremely high	No actions recommended by selection workshop	3	3	
291	Curaça	Caatinga	Very high	Creation of Integral Protection protected area	3	3	Yes
292	Iati-Santana do Ipanema	Caatinga	Extremely high	Creation of sustainable use protected areas	3	3	Yes
293	Riacho da Melancia	Caatinga	High	Creation of Integral Protection protected area	3		
294	Cajueiro/Guaribas	Caatinga	High	No actions recommended by selection workshop	3	3	
295	Juazeiro	Caatinga	Extremely high	Creation of Integral Protection protected area	3		
296	Riacho Terra do Sol	Caatinga	High	Creation of Integral Protection protected area	3		Yes
297	Canions do São Francisco	Caatinga	Very high	Creation of Integral Protection protected area	3	3	
298	Serra da Mão	Caatinga	High	Creation of Integral Protection protected area	3	3	
299	Santa Brígida	Caatinga	High	Creation of sustainable use protected areas	3	3	
300	Porteiras - Serra do Monte Santo	Caatinga	High	Undefined category protected area creation	3	3	
301	Boqueirão da Onça	Caatinga	Extremely high	Creation of Integral Protection protected area	3	3	Yes
302	Pilão Arcado I	Caatinga	Very high	Biological Inventory	3		Yes
303	Serra dos Manões	Caatinga	High	Undefined category protected area creation	3	3	
304	Porto da Folha	Caatinga	Very high	Undefined category protected area creation	3	3	
305	Serra da Guia	Caatinga	High	Undefined category protected area creation	3	3	
306	Traipu - São Bras	Caatinga	Very high	Restoration of degraded areas	3	3	
307	Tibiri - Borda da mata	Caatinga	Extremely high	Caatinga sustainable management for livestock	3	3	
308	Sítio do Quinto	Caatinga	Very high	Creation of sustainable use protected areas	3	3	
309	Barra do Riachinho	Caatinga	High	Biological Inventory	3	3	Yes
310	Serra da Fumaça	Caatinga	Extremely high	Creation of Integral Protection protected area	3	3	
311	Coronel João As	Caatinga	Very high	Creation of sustainable use protected areas	3	3	
312	Nossa Senhora Aparecida	Caatinga	High	Restoration of degraded areas	3	3	



*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
313	São Miguel do Aleixo	Caatinga	Extremely high	Undefined category protected area creation	3	3	
314	Serra do Pinhão	Caatinga	Extremely high	Undefined category protected area creation	3	3	
315	Complexo Serra dos Macacos	Caatinga	Very high	Creation of sustainable use protected areas	3	3	
316	Itapicuru	Caatinga	Very high	Restoration of degraded areas	3	3	
317	Cascudo Preto	Caatinga	Very high	Biological Inventory	3	3	
318	Ilha	Caatinga	Very high	Biological Inventory	3	3	
319	Morro do Chapéu	Caatinga	Very high	Creation of sustainable use protected areas	3	3	Yes
320	Rio Real	Caatinga	Very high	Biological Inventory	3	3	
321	Vereda do Bonito	Caatinga	High	Creation of Integral Protection protected area	3	3	
322	Seabra	Caatinga	Extremely high	Creation of sustainable use protected areas	3	3	
323	Oliveira dos Brejinhos	Caatinga	Very high	Creation of Integral Protection protected area	3	3	
324	Ibotirama	Caatinga	Very high	Creation of Integral Protection protected area	3	3	
325	Brotas de Macaúbas	Caatinga	High	Creation of Integral Protection protected area	3	3	
326	Itaberaba	Caatinga	Extremely high	Creation of sustainable use protected areas	3	3	
327	Ibiquera	Caatinga	Very high	Creation of Integral Protection protected area	3	3	
328	Itaete	Caatinga	Extremely high	Creation of Integral Protection protected area	3	3	
329	Marcionílio Souza	Caatinga	Very high	Creation of sustainable use protected areas	3	3	
330	Chapada Diamantina Sul	Caatinga	Extremely high	Creation of Integral Protection protected area	3	3	Yes
331	Floresta Nacional Sincora	Caatinga	Extremely high	Inspection	3	3	Yes
332	Brumado	Caatinga	Extremely high	Creation of Integral Protection protected area	3	3	
333	Tanhaçu	Caatinga	Very high	Restoration of degraded areas	3	3	
334	Manga	Caatinga	Extremely high	Creation of Integral Protection protected area	3	3	Yes
335	Belo Campo	Caatinga	Very high	Inspection	3	3	
336	Espinosa Norte	Caatinga	Extremely high	Inspection	3	3	
337	Condeuba	Caatinga	Very high	Creation of Integral Protection protected area	3	3	
338	Jaiba	Caatinga	Very high	Restoration of degraded areas	3	3	
339	Aiuaba	Caatinga	Very high	Restoration of degraded areas	3	3	

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
340	Capivara	Caatinga	Extremely high	Undefined category protected area creation	3	3	
341	Guaraçaba do Norte	Caatinga	Extremely high	no actions recommended by selection workshop		3	
342	Olho D'água	Caatinga	High	Undefined category protected area creation		3	
343	Alto Araguaia	Cerrado	Very high	Undefined category protected area creation	1, 3	3	
344	Carste Arcos e Pains	Cerrado	Very high	Restoration of degraded areas	1, 3	3	
345	Almas	Cerrado	Extremely high	Protected area creation	3	3	Yes
346	Alpinópolis	Cerrado	Very high	Restoration of degraded areas	3	3	Yes
347		Cerrado	Very high	Protected area creation	3		
348	Alto Rio Taquari	Cerrado	Very high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	
349	Araguacu	Cerrado	Extremely high	Regularization of degrading activity	3	3	Yes
350	Araxá	Cerrado	Very high	Regularization of degrading activity	3	3	
351	Barra do Garcas	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	
352	Barreirinhas	Cerrado	High	Land-use planning	3	3	Yes
353	Bela Vista	Cerrado	High	Restoration of degraded areas	3	3	Yes
354	Bonito	Cerrado	High	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3		
355	Buritzeiro	Cerrado	Very high	Creation of Integral Protection protected area	3	3	
356	Caiaponia	Cerrado	Very high	Protected area creation	3	3	
357	Campos Gerais	Cerrado	Very high	Restoration of degraded areas	3	3	
358	Carinhana	Cerrado	Extremely high	Creation of Integral Protection protected area	3	3	
359		Cerrado	Very high	Restoration of degraded areas	3		
360	Cavernas de Candeias	Cerrado	High	Regularization of degrading activity	3	3	
361	Cavernas de Unai	Cerrado	High	Regularization of degrading activity	3	3	
362	Cavernas Peruacu	Cerrado	Extremely high	Creation of Integral Protection protected area	3	3	Yes
363	Chapada da Contagem	Cerrado	Extremely high	Protected area creation	3	3	

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
364	Conceição do Tocantins	Cerrado	Extremely high	Protected area creation	3	3	Yes
365	Coribe	Cerrado	Very high	Creation of Integral Protection protected area	3		
366	Corinto	Cerrado	Very high	Development of financial support mechanisms	3	3	Yes
367	Córrego Fundo	Cerrado	Very high	Creation of Integral Protection protected area	3		
368	Corrego Sítio Felipe	Cerrado	High	Land-use planning	3	3	
369	Correntina	Cerrado	Extremely high	Creation of Integral Protection protected area	3	3	
370	Corumba	Cerrado	Extremely high	Creation of Integral Protection protected area	3	3	
371	Cotegipe	Cerrado	Very high	Creation of Integral Protection protected area	3	3	Yes
372	Cristais	Cerrado	Very high	Restoration of degraded areas	3	3	Yes
373	Cristalina	Cerrado	Extremely high	Regularization of degrading activity	3	3	Yes
374	Cristópolis	Cerrado	Very high	Creation of Integral Protection protected area	3		Yes
375	Curvelo	Cerrado	Very high	Restoration of degraded areas	3		
376	Diamantina	Cerrado	Extremely high	Strengthening the value chains of socio-biodiversity products	3		
377	Doverlândia	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	
378	Entorno Estação Ecológica Serra Geral do Tocantins	Cerrado	High	Strengthening the value chains of socio-biodiversity products	3	3	
379	Entorno Parque Estadual Serra Dourada	Cerrado	Very high	Restoration of degraded areas	3	3	
380	Entorno Parque Nacional Nascentes do Parnaíba	Cerrado	Extremely high	Protected area creation	3	3	
381	Entorno Parque Nacional Serra das Confusões I	Cerrado	High	Land-use planning	3	3	Yes

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
382	Entorno Refúgio de Vida Silvestre Veredas	Cerrado	Extremely high	Expansion of protected area	3	3	Yes
383	Entorno Terra Indígena Areoes III	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3		
384	Entorno Terra Indígena Bacuruzinho	Cerrado	Extremely high	Protected area creation	3		Yes
385	Entorno Terra Indígena Kanela – Terra Indígena Porquinhos	Cerrado	Very high	Land-use planning	3		
386	Entorno Terra Indígena Kraolandia	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	Yes
387	Entorno Terra Indígena Merure	Cerrado	Extremely high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	Yes
388	Entorno Terra Indígena Sangradouro / Volta Grande	Cerrado	Very high	Restoration of degraded areas	3	3	Yes
389	Entorno Terra Indígena Xerente	Cerrado	Extremely high	Land-use planning	3	3	
390	Entorno Parque Nacional Chapada dos Veadeiros	Cerrado	Very high	Regularization of degrading activity	3	3	Yes
391	Felixlândia	Cerrado	Very high	Creation of sustainable use protected area	3		Yes
392	Formosa	Cerrado	Very high	Regularization of degrading activity	3	3	
393	Formosa do Rio Preto	Cerrado	Very high	Creation of sustainable use protected area	3	3	Yes
394	Formoso	Cerrado	Very high	Development of financial support mechanisms	3	3	
395	Furnas	Cerrado	Very high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	Yes
396	Ibia	Cerrado	High	Restoration of degraded areas	3	3	
397	Itapetininga	Cerrado	Extremely high	Restoration of degraded areas	3	3	Yes

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
398	Itarare	Cerrado	Extremely high	Creation of Integral Protection protected area	3	3	
399	Itirapina	Cerrado	High	Restoration of degraded areas	3	3	Yes
400	Iuiu	Cerrado	Very high	Regularization of degrading activity	3	3	Yes
401	Jaborandi	Cerrado	Very high	Creation of Integral Protection protected area	3	3	Yes
402	Jacuba - Corrente	Cerrado	Very high	Restoration of degraded areas	3		
403		Cerrado	Very high	Restoration of degraded areas	3		
404	Jataí	Cerrado	Very high	Restoration of degraded areas	3	3	Yes
405	Jequitaiá	Cerrado	Very high	Creation of Integral Protection protected area	3	3	Yes
406	João Pinheiro	Cerrado	High	Restoration of degraded areas	3	3	Yes
407	Lagoa do Tocantins	Cerrado	Very high	Land-use planning	3	3	Yes
408	Lagoas do Rio São Francisco	Cerrado	Very high	Creation of Integral Protection protected area	3	3	Yes
409	Lajeado	Cerrado	High	Strengthening the value chains of socio-biodiversity products	3	3	Yes
410	Lizarda	Cerrado	Extremely high	Protected area creation	3	3	
411	Mambai	Cerrado	Very high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	Yes
412	Matoes	Cerrado	High	Land-use planning	3	3	
413	Muquem de São Francisco	Cerrado	High	Restoration of degraded areas	3	3	
414	Nascente Urucui	Cerrado	Extremely high	Creation of sustainable use protected area	3	3	Yes
415	Nascentes do Rio Paraguai	Cerrado	Extremely high	Restoration of degraded areas	3	3	
416	Nioaque	Cerrado	Extremely high	Protected area creation	3	3	Yes
417	Niquelandia	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	
418	Nova Xavantina	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	Yes

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
419	Pandeiros Concha e Gibão	Cerrado	Extremely high	Protected Area Extension	3	3	
420	Pedregulho	Cerrado	Very high	Restoration of degraded areas	3		
421	Peruaçu	Cerrado	Extremely high	Creation of Integral Protection protected area	3	3	
422	Piranhas	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	
423	Pirenópolis	Cerrado	Extremely high	Protected area creation	3	3	
424	Porto Nacional	Cerrado	High	Regularization of degrading activity	3	3	
425	Pouso Alto	Cerrado	Very high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	
426	Riacho do Bano	Cerrado	Very high	Restoration of degraded areas	3	3	Yes
427	Riacho do Ramalho	Cerrado	Very high	Creation of Integral Protection protected area	3	3	Yes
428	Riacho dos Machados	Cerrado	Very high	Creation of sustainable use protected area	3	3	
429	Riacho Pedra-Branca	Cerrado	High	Creation of Integral Protection protected area	3	3	
430	Riacho Tucum	Cerrado	High	Implementacao CAR, boas praticas	3	3	Yes
431	Ribeirao Aquidauana	Cerrado	Extremely high	Restoration of degraded areas	3	3	
432	Ribeirao Barreiro	Cerrado	Very high	Fomento ao uso sustentavel	3		
433	Ribeirao Cachoeira	Cerrado	Extremely high	Restoration of degraded areas	3		
434	Ribeirao Mutum	Cerrado	Very high	Restoration of degraded areas	3		
435	Ribeirao Ponte de Pedra	Cerrado	Extremely high	Restoration of degraded areas	3	3	
436	Ribeirao Serrote	Cerrado	Very high	Restoration of degraded areas	3	3	Yes
437	Ribeirao Titororo	Cerrado	Very high	Creation of Integral Protection protected area	3	3	
438	Rio Apa	Cerrado	High	Strengthening the value chains of socio-biodiversity products	3	3	Yes
439	Rio Aquidaba	Cerrado	Very high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	
440	Rio Areial	Cerrado	Extremely high	Restoration of degraded areas	3	3	

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
441	Rio Arica-Acu	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	Yes
442	Rio Arinos	Cerrado	Very high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	Yes
443	Rio Arrojado	Cerrado	Extremely high	Creation of Integral Protection protected area	3	3	
444	Rio Caracol	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	
445	Rio Corrente	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	
446	Rio Correntes	Cerrado	Extremely high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	
447	Rio Corumba	Cerrado	Extremely high	Strengthening the value chains of socio-biodiversity products	3	3	
448	Rio Coxim	Cerrado	High	Restoration of degraded areas	3	3	Yes
449	Rio Coxipo	Cerrado	Very high	Restoration of degraded areas	3	3	Yes
450	Rio Cristalino	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	Yes
451	Rio da Prata	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	
452	Rio Galhão	Cerrado	High	Strengthening the value chains of socio-biodiversity products	3	3	
453	Rio Miranda	Cerrado	Very high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	
454	Rio Miranda - Pantanal	Cerrado	Extremely high	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	
455	Rio Parnaíba - Balsas	Cerrado	High	Land-use planning	3	3	

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
456	Rio Parnaíba II	Cerrado	High	Strengthening the value chains of socio-biodiversity products	3	3	
457	Rio Perdido	Cerrado	Very high	Restoration of degraded areas	3	3	
458	Rio Pindaíba	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	
459	Rio Piraim	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	Yes
460	Rio Ponte Alta	Cerrado	Extremely high	Protected area creation	3	3	Yes
461	Rio Ponte de Pedra	Cerrado	Extremely high	Restoration of degraded areas	3	3	
462	Rio Santa Tereza	Cerrado	High	Land-use planning	3	3	Yes
463	Rio São Domingos	Cerrado	Very high	Restoration of degraded areas	3	3	Yes
464	Rio São Lourenço	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	Yes
465	Rio São Marcos	Cerrado	High	Strengthening the value chains of socio-biodiversity products	3	3	
466	Rio São Valério	Cerrado	High	Strengthening the value chains of socio-biodiversity products	3	3	Yes
467	Rio Sapão	Cerrado	Extremely high	Creation of Integral Protection protected area	3	3	
468	Rio Sapucaí	Cerrado	High	Restoration of degraded areas	3	3	Yes
469	Rio Sono	Cerrado	Very high	Land-use planning	3	3	
470	Rio Sucuriiju	Cerrado	Extremely high	Protected area creation	3	3	
471	Rio Taboco	Cerrado	Very high	Creation of Integral Protection protected area	3	3	
472	Rio Taquari	Cerrado	Extremely high	Restoration of degraded areas	3	3	
473	Rio Taruma	Cerrado	High	Creation of sustainable use protected area & integral protection	3	3	
474	Rio Trairas	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	Yes
475	Rio Turvo - GO	Cerrado	Very high	Restoration of degraded areas	3	3	
476	Rio Turvo - SP	Cerrado	High	Restoration of degraded areas	3	3	



*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
477	Rio Urucui-Vermelho	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	
478	Rio Urucua	Cerrado	Very high	Protected area creation	3	3	
479	Rio Verde	Cerrado	Extremely high	Strengthening the value chains of socio-biodiversity products	3	3	
480	Riozinho	Cerrado	Extremely high	Protected area creation	3		
481	Santa Cruz de Goiás	Cerrado	Very high	Restoration of degraded areas	3	3	
482	Santa Maria da Vitória	Cerrado	High	Regularization of degrading activity	3	3	
483	Santuário São Miguel	Cerrado	Very high	Creation of Integral Protection protected area	3	3	
484	São Bartolomeu	Cerrado	High	Restoration of degraded areas	3	3	
485	São Desiderio	Cerrado	Very high	Creation of Integral Protection protected area	3	3	
486	São Domingos	Cerrado	High	Integrated & participatory management of protected areas, ecological corridors & territories of traditional peoples & communities	3	3	
487	São José dos Dourados	Cerrado	High	Restoration of degraded areas	3	3	Yes
488	São Pedro	Cerrado	High	Protected Area Extension	3	3	Yes
489	São Romão	Cerrado	Very high	Regularization of degrading activity	3	3	Yes
490	Serra da Prata	Cerrado	Very high	Protected area creation	3	3	
491	Serra de Caldas	Cerrado	Extremely high	Protected area creation	3	3	
492	Serra de São Bartolomeu	Cerrado	Very high	Strengthening the value chains of socio-biodiversity products	3	3	
493	Serra do Cabral	Cerrado	Extremely high	Creation of Integral Protection protected area	3	3	
494	Serranópolis	Cerrado	Very high	Restoration of degraded areas	3	3	
495	Tapira	Cerrado	High	Creation of Integral Protection protected area	3	3	Yes
496	Três Lagoas	Cerrado	Extremely high	Restoration of degraded areas	3	3	Yes
497	Unai	Cerrado	Very high	Restoration of degraded areas	3	3	
498	Unai II	Cerrado	Very high	Creation of Integral Protection protected area	3	3	

*SUPPLEMENTARY TABLE 4 (continued)*

N	Priority areas	Biome	Biological importance	Conservation actions	Future climate suitability		Inside protected areas
					Moderate climate change	Severe climate change	
499	Uruaçu	Cerrado	Very high	Restoration of degraded areas	3	3	Yes
500	Vazante Riozinho	Cerrado	Very high	Creation of Integral Protection protected area	3	3	
501	Felixlandia	Cerrado	Very high	Creation of sustainable use protected		3	Yes
502	Peruaçu	Cerrado	Extremely high	Creation of Integral Protection protected area		3	

SUPPLEMENTARY TABLE 5 Protected areas in areas predicted by our distribution models as suitable for the future occurrence of (1) *Alouatta belzebul*, (2) *Sapajus flavius* and (3) *Sapajus libidinosus*. We considered the presence of protected areas in future scenarios under moderate and severe climate change, and indicate whether protected areas are located in human settlements. Category indicates protected areas level of protection and activities allowed within the protected area.

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
1	Reserva Particular do Patrimônio Natural Cachoeira	Sustainable use	Alagoas	1	1	
2	Reserva Particular do Patrimônio Natural Santa Fé	Sustainable use	Alagoas	1	1	
3	Reserva Particular do Patrimônio Natural Mata do Cedro	Sustainable use	Alagoas	1	1	
4	Reserva Particular do Patrimônio Natural Salvador Lyra	Sustainable use	Alagoas	1	1	
5	Reserva Particular do Patrimônio Natural Quebra Carro	Sustainable use	Alagoas	1	1	
6	Reserva Particular do Patrimônio Natural Saint Michel 2	Sustainable use	Alagoas	1	1	
7	Área de Proteção Ambiental Da Marituba do Peixe	Sustainable use	Alagoas	1	1	Yes
8	Reserva Particular do Patrimônio Natural Saint Michel 1	Sustainable use	Alagoas	1	1	
9	Área de Proteção Ambiental de Santa Rita	Sustainable use	Alagoas	1		Yes
10	Reserva Particular do Patrimônio Natural Saint Michel 3	Sustainable use	Alagoas	1	1	
11	Reserva Particular do Patrimônio Natural Madeiras	Sustainable use	Alagoas	1	1	
12	Área de Proteção Ambiental de Murici	Sustainable use	Alagoas	1	1	
13	Reserva Extrativista Marinha da Lagoa do Jequiá	Sustainable use	Alagoas	1	1	
14	Área de Proteção Ambiental de Piaçabuçu	Sustainable use	Alagoas	3	1, 3	
15	Reserva Particular do Patrimônio Natural Cachoeira	Sustainable use	Alagoas	3	3	
16	Área de Proteção Ambiental da Marituba do Peixe	Sustainable use	Alagoas	3	3	
17	Reserva Particular do Patrimônio Natural Jader Ferreira Ramos	Sustainable use	Alagoas	3	3	
18	Reserva Particular do Patrimônio Natural Madeiras	Sustainable use	Alagoas	3	3	
19	Estação Ecológica de Murici	Integral protection	Alagoas	1	1	Yes
20	Refúgio de Vida Silvestre dos Morros do Caraunã e do Padre	Integral protection	Alagoas	3	3	
21	Floresta Estadual do Amapá	Sustainable use	Amapá	1	1	
22	Reserva de Desenvolvimento Sustentável do Rio Iratapuru	Sustainable use	Amapá	1		
23	Floresta Nacional do Amapá	Sustainable use	Amapá	1		
24	Reserva Biológica do Lago Piratuba	Integral protection	Amapá	1		

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
25	Parque Nacional do Cabo Orange	Integral protection	Amapá	1		
26	Parque Nacional Montanhas do Tumucumaque	Integral protection	Amapá	1	1	
27	Estação Ecológica de Maracá-Jipioca	Integral protection	Amapá	1		
28	Reserva Particular do Patrimônio Natural do Jequitibá	Sustainable use	Bahia	1, 2	1, 2	
29	Área de Proteção Ambiental Plataforma continental do Litoral Norte	Sustainable use	Bahia	1	1	
30	Área de Proteção Ambiental Bacia do Rio de Janeiro	Sustainable use	Bahia	1		Yes
31	Área de Proteção Ambiental Lagoas de Guarajuba	Sustainable use	Bahia	1	1	Yes
32	Área de Proteção Ambiental Baía de Todos os Santos	Sustainable use	Bahia	1	1	Yes
33	Área de Proteção Ambiental Bacia do Cobre/São Bartolomeu	Sustainable use	Bahia	1, 3	1, 3	Yes
34	Área de Proteção Ambiental Marimbus / Iraquara	Sustainable use	Bahia	1		
35	Reserva Particular do Patrimônio Natural Limoeiro	Sustainable use	Bahia	2		
36	Área de Proteção Ambiental Caminhos ecológicos da Boa Esperança	Sustainable use	Bahia	2	2	
37	Reserva Extrativista Marinha da Baía do Iguapé	Sustainable use	Bahia	1	1	
38	Área de Proteção Ambiental Lagoa de Itaparica	Sustainable use	Bahia	3	3	
39	Área de Proteção Ambiental Serra do Barbado	Sustainable use	Bahia	3	3	
40	Área de Proteção Ambiental de São Desidério	Sustainable use	Bahia	3	3	
41	Área de Proteção Ambiental Bacia do Rio de Janeiro	Sustainable use	Bahia	3	3	
42	Área de Proteção Ambiental Serra Branca / Raso da Catarina	Sustainable use	Bahia	3	3	
43	Área de Proteção Ambiental Lago de Sobradinho	Sustainable use	Bahia	3	3	
44	Área de Proteção Ambiental Do Rio Preto	Sustainable use	Bahia	3	3	Yes
45	Área de Proteção Ambiental Dunas e Veredas do Baixo Médio São Francisco	Sustainable use	Bahia	3	3	Yes
46	Área de Proteção Ambiental Marimbus / Iraquara	Sustainable use	Bahia	3	3	Yes
47	Monumento Natural dos Canions do Subaé	Integral protection	Bahia	2		
48	Parque Nacional da Chapada da Diamantina	Integral protection	Bahia	1, 3	3	

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
49	Parque Estadual da Serra dos Montes Altos	Integral protection	Bahia	3	3	
50	Estação Ecológica do Rio Preto	Integral protection	Bahia	3	3	
51	Refúgio de Vida Silvestre da Serra dos Montes Altos	Integral protection	Bahia	3	3	
52	Parque Estadual das Sete Passagens	Integral protection	Bahia	3	3	
53	Parque Estadual do Morro do Chapéu	Integral protection	Bahia	3	3	
54	Refúgio de Vida Silvestre das Veredas do Oeste Baiano	Integral protection	Bahia	3	3	
55	Parque Nacional do Boqueirão da Onça	Integral protection	Bahia	3	3	
56	Refúgio de Vida Silvestre da Ararinha Azul	Integral protection	Bahia	3	3	
57	Floresta Nacional contendas do Sincorá	Sustainable use	Bahia	3	3	
58	Floresta Nacional de Cristópolis	Sustainable use	Bahia	3	3	
59	Área de Proteção Ambiental do Boqueirão da Onça	Sustainable use	Bahia	3	3	
60	Área de Proteção Ambiental da Ararinha Azul	Sustainable use	Bahia	3	3	
61	Parque Natural Municipal da Macaqueiras	Integral protection	Bahia	3	3	
62	Área de Proteção Ambiental das nascentes do rio vermelho	Sustainable use	Bahia/ Goiás	3	3	
63	Parque Nacional Grande Sertão Veredas	Integral protection	Bahia/ Minas Gerais	3	3	
64	Estação Ecológica Serra Geral do Tocantins	Integral protection	Bahia/Tocantins	3	3	
65	Área de Proteção Ambiental do Estuário do Rio Ceará - Rio Maranguapinho	Sustainable use	Ceará	1		Yes
66	Área de Proteção Ambiental da Serra da Aratanha	Sustainable use	Ceará	1, 2	1, 2	
67	Área de Relevante Interesse Ecológico do Sítio Curió	Sustainable use	Ceará	1		Yes
68	Área de Relevante Interesse Ecológico do Cambeba	Sustainable use	Ceará	1		Yes
69	Área de Proteção Ambiental do Rio Pacoti	Sustainable use	Ceará	1		
70	Área de Proteção Ambiental da Bica do Ipú	Sustainable use	Ceará	1		Yes
71	Área de Proteção Ambiental da Serra do Baturité	Sustainable use	Ceará	1	1, 2	
72	Floresta Nacional do Araripe-Apodi	Sustainable use	Ceará	1, 2, 3		
73	Reserva Extrativista do Batoque	Sustainable use	Ceará	1		
74	Área de Proteção Ambiental Serra da Meruoca	Sustainable use	Ceará	1, 3	3	

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
75	Área de Proteção Ambiental da Serra da Aratanha	Sustainable use	Ceará	3	3	
76	Área de Relevante Interesse Ecológico das Águas emendadas dos Inhamuns	Sustainable use	Ceará	3	3	
77	Área de Proteção Ambiental do Rio Pacoti	Sustainable use	Ceará	3		
78	Área de Proteção Ambiental da Bica do Ipú	Sustainable use	Ceará	3	3	
79	Área de Proteção Ambiental da Serra de Baturité	Sustainable use	Ceará	3	3	
80	Parque Natural Municipal das Dunas da Sabiaguaba	Integral protection	Ceará	1		Yes
81	Parque Estadual das Carnaúbas	Integral protection	Ceará	3	3	
82	Monumento Natural Sítio Cana Brava	Integral protection	Ceará	3	3	
83	Parque Estadual Sítio Fundão	Integral protection	Ceará	3	3	
84	Monumento Natural Sítio Riacho do Meio	Integral protection	Ceará	3	3	
85	Parque Estadual do Cocó	Integral protection	Ceará	3	-	Yes
86	Estação Ecológica do Castanhão	Integral protection	Ceará	3	3	
87	Parque Nacional de Ubajara	Integral protection	Ceará	3	3	
88	Área de Proteção Ambiental do Lago Paranoá	Sustainable use	Distrito Federal	3	3	
89	Área de Relevante Interesse Ecológico Cruls	Sustainable use	Distrito Federal	3	3	
90	Área de Relevante Interesse Ecológico da Granja do Ipê	Sustainable use	Distrito Federal	3	3	
91	Área de Relevante Interesse Ecológico do Torto	Sustainable use	Distrito Federal	3	3	
92	Área de Relevante Interesse Ecológico do Córrego Cabeceira do Valo	Sustainable use	Distrito Federal	3	3	
93	Área de Relevante Interesse Ecológico do Córrego Mato Grande	Sustainable use	Distrito Federal	3	3	
94	Área de Relevante Interesse Ecológico Parque JK	Sustainable use	Distrito Federal	3	3	
95	Área de Proteção Ambiental da Bacia dos Ribeirões do Gama e Cabeça de Veado	Sustainable use	Distrito Federal	3	3	
96	Área de Relevante Interesse Ecológico da Vila Estrutural	Sustainable use	Distrito Federal	3	3	
97	Área de Relevante Interesse Ecológico Dom Bosco	Sustainable use	Distrito Federal	3	3	
98	Área de Proteção Ambiental de Cafuringa	Sustainable use	Distrito Federal	3	3	Yes

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
99	Área de Relevante Interesse Ecológico Santuário de Vida Silvestre do Riacho Fundo	Sustainable use	Distrito Federal	3	3	
100	Área de Relevante Interesse Ecológico do Bosque	Sustainable use	Distrito Federal	3	3	
101	Área de Relevante Interesse Ecológico Paranoá Sul	Sustainable use	Distrito Federal	3	3	
102	Reserva Biológica do Cerradão	Sustainable use	Distrito Federal	3	3	
103	Parque Distrital Salto do Tororó	Integral protection	Distrito Federal	3	3	
104	Reserva Biológica do Guará	Integral protection	Distrito Federal	3	3	
105	Reserva Biológica do Rio Descoberto	Integral protection	Distrito Federal	3	3	
106	Refúgio de Vida Silvestre da Mata Seca	Integral protection	Distrito Federal	3	3	
107	Estação Ecológica de Águas Emendadas	Integral protection	Distrito Federal	3	3	
108	Monumento Natural do Conjunto Espeleológico do Morro da Pedreira	Integral protection	Distrito Federal	3	3	
109	Reserva Biológica do Gama	Integral protection	Distrito Federal	3	3	
110	Estação Ecológica do Jardim Botânico	Integral protection	Distrito Federal	3	3	
111	Parque Nacional de Brasília	Integral protection	Distrito Federal	3	3	
112	Reserva Biológica da Contagem	Integral protection	Distrito Federal	3	3	
113	Área de Relevante Interesse Ecológico Capetinga - Taquara	Sustainable use	Distrito Federal	3	3	
114	Área de Relevante Interesse Ecológico Floresta da Cicuta	Sustainable use	Distrito Federal	3	3	
115	Floresta Nacional de Brasília	Sustainable use	Distrito Federal	3	3	
116	Monumento Natural Estadual Serra das Torres	Integral protection	Espírito Santo	3	3	
117	Monumento Natural dos Pontões Capixabas	Integral protection	Espírito Santo	3	3	
118	Área de Proteção Ambiental João Leite	Sustainable use	Goiás	3	3	Yes
119	Área de Proteção Ambiental dos Pireneus	Sustainable use	Goiás	3	3	Yes
120	Área de Proteção Ambiental Serra da Jibóia	Sustainable use	Goiás	3	3	
121	Área de Relevante Interesse Ecológico Águas de São João	Sustainable use	Goiás	3	-	
122	Área de Proteção Ambiental da Serra das Galés da Portaria	Sustainable use	Goiás	3	3	
123	Área de Proteção Ambiental do Encantado	Sustainable use	Goiás	3	3	

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
124	Área de Proteção Ambiental Pouso Alto	Sustainable use	Goiás	3	3	Yes
125	Área de Proteção Ambiental da Serra Dourada	Sustainable use	Goiás	3	3	Yes
126	Área de Proteção Ambiental Serra Geral de Goiás	Sustainable use	Goiás	3	3	
127	Parque Estadual do Descoberto	Integral protection	Goiás	3	3	Yes
128	Parque Estadual dos Pirineus	Integral protection	Goiás	3	3	
129	Parque Estadual de Paraúna	Integral protection	Goiás	3	3	
130	Parque Estadual Altamiro de Moura Pacheco	Integral protection	Goiás	3	3	
131	Parque Estadual da Serra Dourada	Integral protection	Goiás	3	3	
132	Parque Estadual da Serra de Caldas Novas	Integral protection	Goiás	3	3	Yes
133	Parque Estadual da Mata Atlântica	Integral protection	Goiás	3	3	
134	Parque Estadual de Terra Ronca	Integral protection	Goiás	3	3	
135	Parque Nacional da Chapada dos Veadeiros	Integral protection	Goiás	3	-	
136	Reserva Extrativista de Recanto das Araras de Terra Ronca	Sustainable use	Goiás	3	3	
137	Floresta Nacional da Mata Grande	Sustainable use	Goiás	3	-	
138	Floresta Nacional de Silvânia	Sustainable use	Goiás	3	3	
139	Reserva Extrativista Lago do Cedro	Sustainable use	Goiás	3	-	
140	Parque Natural Municipal das Orquídeas José Pinheiro de Souza	Integral protection	Goiás	3	3	
141	Parque Natural Municipal Ribeirão da Prata	Integral protection	Goiás	3	3	
142	Parque Natural Municipal Eli Bastos	Integral protection	Goiás	3	3	
143	Parque Natural Municipal do Setor Santa Cruz	Integral protection	Goiás	3	3	Yes
144	Área de Proteção Ambiental da bacia do Corrego Capao Grande	Sustainable use	Goiás	3	3	
145	Área de Relevante Interesse Ecológico da Cabeceira do Córrego Mahana	Sustainable use	Goiás	3	3	
146	Área de Perservação Ambiental do Córrego da Lagoa	Sustainable use	Goiás	3	3	
147	Área de Proteção Ambiental do Limoeiro	Sustainable use	Goiás	3	3	



*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
148	Área de Relevante Interesse Ecológico Serra Bonita de Adelandia	Sustainable use	Goiás	3	3	
149	Área de relevante interesse Ecológico Mata das Perobas Tim Ferreira	Sustainable use	Goiás	3		
150	Área de Proteção Ambiental do Planalto Central	Sustainable use	Goiás/ Distrito Federal	3	3	Yes
151	Área de Proteção Ambiental da bacia do rio descoberto	Sustainable use	Goiás/ Distrito Federal	3	3	Yes
152	Área de Proteção Ambiental das Reentrâncias Maranhenses	Sustainable use	Maranhão	1, 3		Yes
153	Reserva Biológica do Gurupi	Integral protection	Maranhão	1		
154	Parque Nacional da Chapada das Mesas	Integral protection	Maranhão	3	3	
155	Parque Nacional das Nascentes do Rio Parnaíba	Integral protection	Maranhão / Piauí/ Bahia	3		
156	Área de Proteção Ambiental Serra da Tabatinga	Sustainable use	Maranhão/ Piauí	3	3	
157	Área de Proteção Ambiental Nascentes do Rio Paraguai	Sustainable use	Mato Grosso	3	3	
158	Área de Proteção Ambiental do Salto Magessi	Sustainable use	Mato Grosso	3		
159	Área de Proteção Ambiental da Chapada dos Guimarães	Sustainable use	Mato Grosso	3	3	
160	Área de Proteção Ambiental das Cabeceiras do Rio Cuiabá	Sustainable use	Mato Grosso	3	3	
161	Parque Estadual do Xingu	Integral protection	Mato Grosso	3		
162	Monumento Natural Morro de Santo Antônio	Integral protection	Mato Grosso	3	3	
163	Parque Estadual Serra Azul	Integral protection	Mato Grosso	3	3	Yes
164	Reserva Biológica Culuene	Integral protection	Mato Grosso	3	3	
165	Estação Ecológica do Rio Ronuro	Integral protection	Mato Grosso	3	3	
166	Parque Estadual Águas do Cuiabá	Integral protection	Mato Grosso	3	3	
167	Parque Estadual de Águas Quentes	Integral protection	Mato Grosso	3	3	
168	Estação Ecológica da Serra das Araras	Integral protection	Mato Grosso	3	3	
169	Parque Nacional da Chapada dos Guimarães	Integral protection	Mato Grosso	3	3	
170	Área de Proteção Ambiental Municipal do Aricá-Açu	Sustainable use	Mato Grosso	3	3	
171	Parque Natural Municipal de Piraputangas	Integral protection	Mato Grosso do Sul	3	3	
172	Área de Proteção Ambiental Fernão Dias	Sustainable use	Minas Gerais	3	3	Yes

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
173	Reserva de desenvolvimento Sustentável Veredas do Acari	Sustainable use	Minas Gerais	3	3	
174	Área de Proteção Ambiental Águas Vertentes	Sustainable use	Minas Gerais	3	3	
175	Área de Proteção Ambiental da Bacia Hidrográfica do Rio Machado	Sustainable use	Minas Gerais	3	3	
176	Área de Proteção Ambiental Sul-RMBH	Sustainable use	Minas Gerais	3	3	
177	Área de Proteção Ambiental Serra São José	Sustainable use	Minas Gerais	3	3	
178	Área de Proteção Ambiental do Alto do Mucuri	Sustainable use	Minas Gerais	3	3	
179	Área de Proteção Ambiental Bacia do Rio Pandeiros	Sustainable use	Minas Gerais	3	3	
180	Reserva Particular do Patrimônio Natural Ecocerrado Brasil	Sustainable use	Minas Gerais	3	3	
181	Área de Proteção Ambiental Cachoeira das Andorinhas	Sustainable use	Minas Gerais	3	3	
182	Área de Proteção Ambiental Serra do Sabonetal	Sustainable use	Minas Gerais	3	3	
183	Reserva Particular do Patrimônio Natural Gruta do Carimbado	Sustainable use	Minas Gerais	3	3	Yes
184	Área de Proteção Ambiental Cochá e Gibão	Sustainable use	Minas Gerais	3	3	
185	Parque Estadual nova Baden	Integral protection	Minas Gerais	3	3	
186	Parque Estadual Caminho dos Gerais	Integral protection	Minas Gerais	3	3	
187	Parque Estadual Serra Negra	Integral protection	Minas Gerais	3	3	
188	Parque Estadual do Itacolomi	Integral protection	Minas Gerais	3	3	
189	Monumento Natural Estadual Pico do Ibituruna	Integral protection	Minas Gerais	3	3	
190	Parque Estadual Serra da Boa Esperança	Integral protection	Minas Gerais	3	3	
191	Parque Estadual Mata Seca	Integral protection	Minas Gerais	3	3	
192	Parque Estadual do limoeiro	Integral protection	Minas Gerais	3	3	
193	Parque Estadual Rio Corrente	Integral protection	Minas Gerais		3	
194	Monumento Natural Estadual Várzea do Lageado e Serra do Raio	Integral protection	Minas Gerais	3	3	
195	Parque estadual Rio Preto	Integral protection	Minas Gerais	3	3	
196	Parque Estadual Verde Grande	Integral protection	Minas Gerais	3	3	
197	Parque Estadual Biribiri	Integral protection	Minas Gerais	3	3	Yes

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
198	Parque Estadual Serra do Intendente	Integral protection	Minas Gerais	3	3	
199	Refúgio Estadual de Vida Silvestre Libélulas da Serra de São José	Integral protection	Minas Gerais	3	3	
200	Parque Estadual Grão Mogol	Integral protection	Minas Gerais	3	3	
201	Parque Estadual Sete Salões	Integral protection	Minas Gerais	3	3	
202	Parque Estadual da Serra do Cabral	Integral protection	Minas Gerais	3	3	
203	Estação Ecológica de Sagarana	Integral protection	Minas Gerais	3	3	
204	Parque Estadual de Montezuma	Integral protection	Minas Gerais	3	3	
205	Estação Ecológica de Acauã	Integral protection	Minas Gerais	3	3	
206	Parque Estadual Pico do Itambé	Integral protection	Minas Gerais	3	3	
207	Parque Estadual Pau Furado	Integral protection	Minas Gerais	3	3	
208	Parque Estadual Lagoa do Cajueiro	Integral protection	Minas Gerais	3	3	
209	Parque Estadual Serra Nova	Integral protection	Minas Gerais	3	3	
210	Parque Estadual Serra das Araras	Integral protection	Minas Gerais	3	3	
211	Parque Nacional Cavernas do Peruaçu	Integral protection	Minas Gerais	3	3	
212	Parque Nacional das Sempre-vivas	Integral protection	Minas Gerais	3	3	
213	Estação Ecológica de Pirapitinga	Integral protection	Minas Gerais	3	3	
214	Parque Nacional da Serra do Cipó	Integral protection	Minas Gerais	3	3	
215	Parque Nacional da Serra do Gandarela	Integral protection	Minas Gerais	3	3	
216	Reserva Biológica da Mata Escura	Integral protection	Minas Gerais	3	3	
217	Parque Nacional da Serra da Canastra	Integral protection	Minas Gerais	3	3	
218	Área de Proteção Ambiental Cavernas do Peruaçu	Sustainable use	Minas Gerais	3	3	
219	Área de Proteção Ambiental da Pedreira	Sustainable use	Minas Gerais	3	3	
220	Reserva de Desenvolvimento Sustentável Nascentes Geraizeiras	Sustainable use	Minas Gerais	3	3	
221	Reserva Biológica da Serra de Santa Rita Mitzi Brandão	Integral protection	Minas Gerais	3	3	
222	Parque Natural Municipal da Serra de São Domingos	Integral protection	Minas Gerais	3	3	Yes

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
223	Parque Natural Municipal do Tabuleiro	Integral protection	Minas Gerais	3	3	
224	Parque Natural Municipal da Lajinha	Integral protection	Minas Gerais	3	3	Yes
225	Parque Natural Municipal Elci Rolla Guerra	Integral protection	Minas Gerais	3		
226	Área de Proteção Ambiental do Boqueirão da Mira	Sustainable use	Minas Gerais	3	3	
227	Área de Proteção Ambiental Serra do Timóteo	Sustainable use	Minas Gerais	3	3	Yes
228	Área de Proteção Ambiental Uruana de Minas	Sustainable use	Minas Gerais	3	3	
229	Área de Proteção Ambiental do Itacuru	Sustainable use	Minas Gerais	3	3	
230	Área de Proteção Ambiental Córrego da Mata	Sustainable use	Minas Gerais	3	3	
231	Reserva Biológica Municipal da Mata do Bispo	Integral protection	Minas Gerais		3	
232	Parque Nacional de Itatiaia	Integral protection	Minas Gerais / Rio de Janeiro	3	3	
233	Área de Proteção Ambiental Bacia do Paraíba do Sul	Sustainable use	Minas Gerais/ Rio de Janeiro/ São Paulo	3	3	
234	Área de Proteção Ambiental da Serra da Mantiqueira	Sustainable use	Minas Gerais/Rio de Janeiro/ São Paulo	3	3	
235	Floresta Estadual de Iriri	Sustainable use	Pará	1		
236	Floresta Estadual do Trombetas	Sustainable use	Pará	1		
237	Área de Proteção Ambiental Triunfo do Xingu	Sustainable use	Pará	1		
238	Área de Proteção Ambiental de São Geraldo do Araguaia	Sustainable use	Pará	1		
239	Floresta Estadual do Paru	Sustainable use	Pará	1	1	
240	Área de Proteção Ambiental do Igarapé Gelado	Sustainable use	Pará	1		
241	Floresta Nacional de Mulata	Sustainable use	Pará	1	1	
242	Reserva Extrativista Marinha de Tracuateua	Sustainable use	Pará	1		
243	Reserva Extrativista Marinha de Gurupi-Piriá	Sustainable use	Pará	1, 3		
244	Floresta Nacional do Tapirapéaquiri	Sustainable use	Pará	1		
245	Floresta Nacional do Itacaiunas	Sustainable use	Pará	1		
246	Reserva Extrativista rio Xingu	Sustainable use	Pará	1		
247	Floresta Nacional de Altamira	Sustainable use	Pará	1		

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
248	Reserva Extrativista Marinha de Caeté-Taperaçu	Sustainable use	Pará	1, 3		
249	Reserva Extrativista Tapajós-Arapiuns	Sustainable use	Pará	1		
250	Floresta Nacional do Tapajós	Sustainable use	Pará	1		
251	Floresta Nacional de Carajás	Sustainable use	Pará	1, 3	3	
252	Reserva Extrativista Riozinho do Anfrísio	Sustainable use	Pará	1		
253	Reserva Extrativista Rio Iriri	Sustainable use	Pará	1		
254	Área de Proteção Ambiental de Alter do Chão	Sustainable use	Pará		1	
255	Área de Proteção Ambiental da Serra do Saubal	Sustainable use	Pará		1	
256	Área de Proteção Ambiental de São Geraldo do Araguaia	Sustainable use	Pará	3		
257	Reserva Biológica do Tapirapé	Integral protection	Pará	1		
258	Estação Ecológica da Terra do Meio	Integral protection	Pará	1	1	
259	Parque Nacional da Serra do Pardo	Integral protection	Pará	1		
260	Parque Nacional dos Campos Ferruginosos	Integral protection	Pará	1, 3	3	
261	Parque Nacional do Jamaxim	Integral protection	Pará	1		
262	Parque Natural Municipal Veredas dos Carajás	Integral protection	Pará	1		
263	Parque Estadual da Serra dos Martírios / Andorinhas	Integral protection	Pará	3		
264	Reserva Extrativista Marinha de Araújo -Peroba	Sustainable use	Pará	3		Yes
265	Estação Ecológica do Jari	Integral protection	Pará / Amapá	1	1	
266	Área de Proteção Ambiental Roncador	Sustainable use	Paraíba	2		
267	Área de Proteção Ambiental da Barra do rio Mamanguape	Sustainable use	Paraíba	1, 2	1, 2	Yes
268	Área de Relevante Interesse Ecológico Manguezais da Foz do rio Mamanguape	Sustainable use	Paraíba	1, 2	1, 2	
269	Área de Relevante Interesse Ecológico da Barra do Rio Camaratuba	Sustainable use	Paraíba	2	1	
270	Floresta Nacional da Restinga de Cabedelo	Sustainable use	Paraíba	1	1	Yes
271	Refúgio de Vida Silvestre Mata do Buraquinho	Integral protection	Paraíba	2		Yes
272	Parque Estadual Pico de Jabre	Integral protection	Paraíba		2	

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
273	Reserva Biológica Guaribas	Integral protection	Paraíba	1, 2, 3	1	
274	Parque Estadual do Poeta e Repentista Juvenal de Oliveira	Integral protection	Paraíba	3	3	
275	Reserva Extrativista Acaú-Goiana	Sustainable use	Paraíba / Pernambuco	1	1	
276	Reserva Extrativista Acaú-Goiana	Sustainable use	Paraíba/Pernambuco	2	2	
277	Área de Proteção Ambiental Aldeia-Beberibe	Sustainable use	Pernambuco	1, 2	1, 2	Yes
278	Área de Proteção Ambiental de Guadalupe	Sustainable use	Pernambuco	1, 2	1	Yes
279	Área de Relevante Interesse Ecológico Ipojuca-Merepe	Sustainable use	Pernambuco	1		
280	Área de Proteção Ambiental de Santa Cruz	Sustainable use	Pernambuco	1, 2	1, 2	Yes
281	Área de Proteção Ambiental de Sirinhaém	Sustainable use	Pernambuco	1, 2	1	Yes
282	Refúgio de Vida Silvestre Mata do Amparo	Integral protection	Pernambuco	2		
283	Refúgio de Vida Silvestre Matas de Siriji	Integral protection	Pernambuco	2, 3	3	
284	Refúgio de Vida Silvestre Mata de São João da Várzea	Integral protection	Pernambuco	2		Yes
285	Refúgio de Vida Silvestre Mata de Miritiba	Integral protection	Pernambuco	2		
286	Refúgio de Vida Silvestre Serra o Cumaru	Integral protection	Pernambuco	2		
287	Refúgio de Vida Silvestre Mata Jaguaribe	Integral protection	Pernambuco	2		
288	Refúgio de Vida Silvestre Mata do Engenho São João	Integral protection	Pernambuco	2		
289	Refúgio de Vida Silvestre Mata do Curado	Integral protection	Pernambuco	2		Yes
290	Refúgio de Vida Silvestre Mata do Engenho Macaxeira	Integral protection	Pernambuco	2		
291	Refúgio de Vida Silvestre Mata de Mussaíba	Integral protection	Pernambuco	2		Yes
292	Refúgio de Vida Silvestre Mata Santa Cruz	Integral protection	Pernambuco	2		
293	Parque Estadual Dois Irmãos	Integral protection	Pernambuco	2		Yes
294	Estação Ecológica de Caetés	Integral protection	Pernambuco	2		Yes
295	Refúgio de Vida Silvestre Mata do Urucu	Integral protection	Pernambuco	2		
296	Refúgio de Vida Silvestre Mata do Quizanga	Integral protection	Pernambuco	2		
297	Refúgio de Vida Silvestre Mata Lanço dos Canções	Integral protection	Pernambuco	2		Yes
298	Refúgio de Vida Silvestre Matas de Água Azul	Integral protection	Pernambuco	2, 3		

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
299	Refúgio de Vida Silvestre Mata da Usina São José	Integral protection	Pernambuco	2	2	
300	Parque Natural Municipal Professor João Vasconcelos Sobrinho	Integral protection	Pernambuco	1, 2	2	
301	Parque Nacional do Catimbau	Integral protection	Pernambuco	1, 3	3	
302	Reserva Biológica de Saltinho	Integral protection	Pernambuco	1	1	
303	Parque Natural Municipal do Forte de Tamandaré	Integral protection	Pernambuco	1	1	Yes
304	Parque Estadual Mata da Pimenteira	Integral protection	Pernambuco	3	3	
305	Refúgio de Vida Silvestre Tatu-bola	Integral protection	Pernambuco	3	3	
306	Monumento Natural Pedra do Cachorro	Integral protection	Pernambuco	3	3	
307	Estação Ecológica Serra da Canoa	Integral protection	Pernambuco	3	-	
308	Reserva Biológica de Serra Negra	Integral protection	Pernambuco	3	3	
309	Floresta Nacional de Negreiros	Sustainable use	Pernambuco	3	3	
310	Área de Proteção Ambiental da Costa dos Corais	Sustainable use	Pernambuco / Alagoas	1, 2	1	Yes
311	Reserva Biológica de Pedra Talhada	Integral protection	Pernambuco / Alagoas	1, 3	1, 3	
312	Parque Nacional da Serra das Confusões	Integral protection	Piauí	3	3	
313	Estação Ecológica de Uruçui-una	Integral protection	Piauí	3	3	
314	Parque Nacional da Serra da Capivara	Integral protection	Piauí	3	3	
315	Área de Proteção Ambiental Serra da Ibiapaba	Sustainable use	Piauí/Ceará	3	3	Yes
316	Área de Proteção Ambiental da Chapada do Araripe	Sustainable use	Piauí/Ceará/Pernambuco	1, 2, 3	2, 3	Yes
317	Reserva Particular do Patrimônio Natural Agulhas Negras	Sustainable use	Rio de Janeiro	3	3	
318	Reserva Particular do Patrimônio Natural Santo Antônio	Sustainable use	Rio de Janeiro	3	3	
319	Reserva Particular do Patrimônio Natural Chalé Club do Alambary	Sustainable use	Rio de Janeiro	3	3	
320	Reserva Particular do Patrimônio Natural Jardim de Mukunda	Sustainable use	Rio de Janeiro	3	3	
321	Reserva Particular do Patrimônio Natural Pedra Branca	Sustainable use	Rio de Janeiro	3	3	
322	Reserva Particular do Patrimônio Natural Fazenda Miosótis	Sustainable use	Rio de Janeiro	3	3	
323	Reserva Particular do Patrimônio Natural Reserva Ecológica de Guapiacu 3	Sustainable use	Rio de Janeiro	3	3	

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
324	Área de Proteção Ambiental Da Bacia do Rio Macacu	Sustainable use	Rio de Janeiro	3	3	
325	Área de Proteção Ambiental Macaé de Cima	Sustainable use	Rio de Janeiro	3	3	
326	Reserva Particular do Patrimônio Natural Dois Peões	Sustainable use	Rio de Janeiro	3	3	
327	Reserva Particular do Patrimônio Natural Sítio Grande	Sustainable use	Rio de Janeiro	-	3	
328	Refúgio de Vida Silvestre Estadual do Médio Paraíba	Integral protection	Rio de Janeiro	3	3	
329	Parque Estadual do Desengano	Integral protection	Rio de Janeiro	3	3	
330	Monumento Natural Estadual da Serra da Beleza	Integral protection	Rio de Janeiro	3	3	
331	Parque Estadual da Pedra Selada	Integral protection	Rio de Janeiro	3	3	
332	Refúgio de Vida Silvestre Estadual da Lagoa da Turfeira	Integral protection	Rio de Janeiro	3	3	
333	Parque Estadual da Serra da Concórdia	Integral protection	Rio de Janeiro	3	3	
334	Área de Proteção Ambiental da bacia do Rio São João/mico-leão-dourado	Sustainable use	Rio de Janeiro	3	3	
335	Parque Natural Municipal Montanhas de Teresópolis	Integral protection	Rio de Janeiro	3	3	
336	Parque Natural Municipal Fazenda Santa Cecília do Ingá	Integral protection	Rio de Janeiro	3	3	
337	Refúgio de Vida Silvestre do Chaua	Integral protection	Rio de Janeiro	3	3	
338	Parque Natural Municipal da Cachoeira da Fumaça e Jacuba Parfumaça	Integral protection	Rio de Janeiro	3	3	
339	Parque Natural Municipal do Livramento	Integral protection	Rio de Janeiro	3	3	
340	Área de Proteção Ambiental da Lagoa de Cima	Sustainable use	Rio de Janeiro	3	3	
341	Área de Proteção Ambiental Carapiá	Sustainable use	Rio de Janeiro	3	3	
342	Área de Proteção Ambiental Bemposta	Sustainable use	Rio de Janeiro	3	3	
343	Área de Proteção Ambiental Santa Fé	Sustainable use	Rio de Janeiro	3	3	
344	Área de Relevante Interesse Ecológico- ilhas do Rio Paraíba do Sul	Sustainable use	Rio de Janeiro	3	3	
345	Área de Proteção Ambiental da Serra da Bolívia	Sustainable use	Rio de Janeiro	3	3	
346	Área de Proteção Ambiental de Engenheiro Passos Apaep	Sustainable use	Rio de Janeiro	3	3	
347	Área de Proteção Ambiental Waldeir Gonçalves - Serra do Itaóca	Sustainable use	Rio de Janeiro	3	3	
348	Área de Proteção Ambiental do Sana	Sustainable use	Rio de Janeiro	3	3	



*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
349	Área de Proteção Ambiental de Jenipabu	Sustainable use	Rio Grande do Norte	1, 2	1	
350	Área de Proteção Ambiental Piquiri-uma	Sustainable use	Rio Grande do Norte	1, 2	1	
351	Área de Proteção Ambiental Bomfim/Guaráira	Sustainable use	Rio Grande do Norte	1, 2	1	
352	Floresta Nacional de Nísia Floresta	Sustainable use	Rio Grande do Norte	1, 2	1	
353	Reserva de Desenvolvimento Sustentável Estadual Ponta do Tubarão	Sustainable use	Rio Grande do Norte	3		
354	Área de Proteção Ambiental Piquiri-Una	Sustainable use	Rio Grande do Norte	3	3	
355	Parque Natural Municipal da Cidade do Natal Dom Nivaldo Monte	Integral protection	Rio Grande do Norte	1, 2	1	
356	Estação Ecológica do Seridó	Integral protection	Rio Grande do Norte	3		
357	Área de Proteção Ambiental Bonfim/Guaráira	Sustainable use	Rio Grande do Norte	3	3	
358	Área de Proteção Ambiental Corumbataí Botucatu Tejupa Perímetro Botucatu	Sustainable use	São Paulo	3	3	
359	Reserva Particular do Patrimônio Natural Santa Rita de Cassia	Sustainable use	São Paulo	3	3	
360	Reserva Particular do Patrimônio Natural Serrinha	Sustainable use	São Paulo	3	3	
361	Área de Proteção Ambiental Sapucaí Mirim	Sustainable use	São Paulo	3	3	
362	Área de Proteção Ambiental Corumbataí, Botucatu e Tejupá Perímetro Corumbataí	Sustainable use	São Paulo	3	3	
363	Área de Proteção Ambiental Cabreuva	Sustainable use	São Paulo	3	3	
364	Área de Proteção Ambiental do Banhado	Sustainable use	São Paulo	3	3	
365	Área de Proteção Ambiental Campos do Jordão	Sustainable use	São Paulo	3	3	
366	Reserva Particular do Patrimônio Natural Gigante do Itaguapé	Sustainable use	São Paulo	3	3	
367	Área de Proteção Ambiental Tietê	Sustainable use	São Paulo	3	3	
368	Área de Proteção Ambiental Ibitinga	Sustainable use	São Paulo	3	3	
369	Área de Proteção Ambiental Silveiras	Sustainable use	São Paulo	3	3	
370	Floresta Estadual Edmundo Navarro de Andrade	Sustainable use	São Paulo	3		
371	Área de Relevante Interesse Ecológico da Pedra Branca	Sustainable use	São Paulo	3	3	
372	Reserva Particular do Patrimônio Natural Pedra da Mina	Sustainable use	São Paulo	3	3	

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
373	Reserva Particular do Patrimônio Natural Toca da Paca	Sustainable use	São Paulo	3	3	
374	Área de Proteção Ambiental Piracicaba Juqueri Mirim Área I	Sustainable use	São Paulo	3	3	
375	Área de Proteção Ambiental Piracicaba Juqueri-mirim Área II	Sustainable use	São Paulo	3	3	
376	Parque Estadual das Furnas do Bom Jesus	Integral protection	São Paulo	3	3	
377	Estação Ecológica de Paulo de Faria	Integral protection	São Paulo	3	3	
378	Estação Ecológica Jataí	Integral protection	São Paulo	3	3	
379	Estação Ecológica Mata do Jacaré	Integral protection	São Paulo	3	3	
380	Parque Estadual de Itaberaba	Integral protection	São Paulo	3	3	
381	Parque Estadual de Vassununga	Integral protection	São Paulo	3	3	
382	Estação Ecológica do Noroeste Paulista	Integral protection	São Paulo	3	3	
383	Estação Ecológica de Itirapina	Integral protection	São Paulo	3	3	
384	Monumento Natural Estadual da Pedra do Baú	Integral protection	São Paulo	3	3	
385	Estação Ecológica de Mogi-Guaçu	Integral protection	São Paulo	3	3	
386	Floresta Nacional de Ipanema	Sustainable use	São Paulo	3	3	
387	Monumento Natural Municipal do Pico do Itaguaré	Integral protection	São Paulo	3	3	
388	Parque Natural Municipal do Banhado	Integral protection	São Paulo	3	3	
389	Parque Natural Municipal do Trabiju	Integral protection	São Paulo	3	3	
390	Parque Natural Municipal Augusto Ruschi	Integral protection	São Paulo	3	3	
391	Área de Proteção Ambiental - Pedregulho	Sustainable use	São Paulo	3	3	
392	Área de Proteção Ambiental de Campinas	Sustainable use	São Paulo	3	3	
393	Floresta Nacional do Ibura	Sustainable use	Sergipe	1		
394	Reserva Biológica de Santa Isabel	Integral protection	Sergipe	1	1	
395	Parque Nacional Serra de Itabaiana	Integral protection	Sergipe	1, 3	1, 3	
396	Refúgio de Vida Silvestre Mata do Junco	Integral protection	Sergipe	3	3	
397	Área de Proteção Ambiental Lago de Peixe/Angical	Sustainable use	Tocantins	3		
398	Área de Proteção Ambiental Jalapão	Sustainable use	Tocantins	3	3	

*SUPPLEMENTARY TABLE 5 (continued)*

N	Protected area	Category	Brazilian State	Future climate suitability		Located in human settlements
				Moderate climate change	Severe climate change	
399	Área de Proteção Ambiental Lago de São Salvador do Tocantins, Paranã e Palmeirópolis	Sustainable use	Tocantins	3		
400	Área de Proteção Ambiental Serra do Lajeado	Sustainable use	Tocantins	3	3	
401	Área de Proteção Ambiental Lago de Santa Isabel	Sustainable use	Tocantins	3		
402	Parque Estadual do Jalapão	Integral protection	Tocantins	3	3	
403	Parque Estadual do Lajeado	Integral protection	Tocantins	3	3	
404	Monumento Natural das Árvores Fossilizadas	Integral protection	Tocantins	3		