

Primate conservation in the Arc of Deforestation: a case study of Vieira's titi monkey *Plecturocebus vieirai*

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SUPPLEMENTARY TABLE 1 Pearson's correlation matrix of 35 climatic variables extracted from *WorldClim 2.1* (Fick & Hijmans, 2017) and *CliMond* (Kriticos et al., 2012) databases for modelling the distribution of *Plecturocebus vieirai*. Comma separated values file available at doi.org/10.1017/S003060532100171X.

SUPPLEMENTARY TABLE 2 Localities of occurrence of *Plecturocebus vieirai* (n=99). Coordinates in decimal degrees, datum WGS 84. ESEC, Ecological Station (Estação Ecológica); MPEG, Museu Paraense Emílio Goeldi.

Locality	State	Latitude	Longitude	Type of record	Source
Rio Renato*	Mato Grosso	-11.550042	-55.183328	Specimen	Gualda-Barros et al. (2012)
ESEC Terra do Meio, Largo do Souza	Pará	-4.000000	-53.000000	Specimen	Gualda-Barros et al. (2012)
Ribeirão Carmelita	Mato Grosso	-11.016708	-54.483331	Sighting	Gualda-Barros et al. (2012)
Rio Teles Pires, right margin	Mato Grosso	-10.965278	-55.768056	Sighting	Miranda et al. (2014)
Colider	Mato Grosso	-10.827806	-55.448500	Sighting	Vendramel (2016)
Sinop 01	Mato Grosso	-11.869139	-55.542222	Sighting	Vendramel (2016)
Sinop 02	Mato Grosso	-11.858111	-55.505611	Sighting	Vendramel (2016)
Igarapé Mundo Novo, middle Rio Iriri	Pará	-4.550000	-53.816667	Specimen	MPEG – this study
Upper Rio Iriri	Pará	-3.855557	-52.616667	Specimen	MPEG – this study
ESEC Terra do Meio, Rio Iriri	Pará	-5.742700	-54.226050	Sighting	this study
ESEC Terra do Meio, Rio Novo	Pará	-4.924550	-53.549000	Sighting	this study
ESEC Terra do Meio 01	Pará	-4.432675	-53.629864	Specimen	this study

Locality	State	Latitude	Longitude	Type of record	Source
ESEC Terra do Meio 02	Pará	-4.950167	-53.684533	Sighting	this study
ESEC Terra do Meio 03	Pará	-4.959367	-53.678000	Sighting	this study
ESEC Terra do Meio 04	Pará	-4.961750	-53.676833	Sighting	this study
ESEC Terra do Meio 05	Pará	-4.966333	-53.674783	Sighting	this study
ESEC Terra do Meio 06	Pará	-4.973533	-53.670633	Sighting	this study
ESEC Terra do Meio 07	Pará	-4.987333	-53.663667	Sighting	this study
Fazenda da Madenorte†	Mato Grosso	-11.594913	-55.625861	Sighting	this study
Fazenda do Balim†	Mato Grosso	-11.404254	-55.486569	Sighting	this study
Feliz Natal 01	Mato Grosso	-12.664694	-55.264350	Sighting	this study
Feliz Natal 02	Mato Grosso	-12.664694	-55.264350	Vocalization	this study
Feliz Natal 03	Mato Grosso	-12.664694	-55.264350	Vocalization	this study
Matupá	Mato Grosso	-10.056944	-54.932778	Sighting	this study
MT-220 road, nearby BR-163 road	Mato Grosso	-11.676603	-55.575425	Specimen	this study
PARNA Serra do Pardo, Base 1	Pará	-5.774483	-52.620033	Sighting	this study
PARNA Serra do Pardo, estrada do Pontal 01	Pará	-5.770933	-52.626933	Sighting	this study
PARNA Serra do Pardo, estrada do Pontal 02	Pará	-5.770667	-52.628000	Sighting	this study
PARNA Serra do Pardo, Igarapé do Pontal	Pará	-5.781033	-52.641950	Vocalization	this study
PARNA Serra do Pardo, Fazenda do Seu Joel	Pará	-5.790450	-52.623050	Sighting	this study
PARNA Serra do Pardo 01	Pará	-5.738400	-52.663367	Specimen	this study
PARNA Serra do Pardo 02	Pará	-5.774667	-52.622617	Specimen	this study
PARNA Serra do Pardo 03	Pará	-5.804867	-52.633233	Sighting	this study
RESEX Rio Xingu, Comunidade Bela Vista	Pará	-5.371667	-52.895233	Sighting	this study
Rio Ronuro 01	Mato Grosso	-13.305508	-54.561895	Sighting	this study
Rio Ronuro 02	Mato Grosso	-13.307318	-54.566038	Sighting	this study
Rio Ronuro 03	Mato Grosso	-13.291651	-54.555687	Sighting	this study
Rio Ronuro 04	Mato Grosso	-13.292184	-54.555682	Sighting	this study
Rio Ronuro 05	Mato Grosso	-13.303737	-54.560954	Vocalization	this study
Rio Ronuro 06	Mato Grosso	-13.300067	-54.553287	Sighting	this study
Rio Ronuro 07	Mato Grosso	-13.292359	-54.556012	Sighting	this study
Rio Ronuro 08	Mato Grosso	-13.292104	-54.555738	Sighting	this study

Locality	State	Latitude	Longitude	Type of record	Source
Rio Ronuro 09	Mato Grosso	-13.308346	-54.566784	Sighting	this study
Rio Ronuro 10	Mato Grosso	-13.299228	-54.559025	Sighting	this study
Rio Roquete Pinto 01	Mato Grosso	-11.409919	-55.479344	Specimen	this study
Rio Roquete Pinto 02†	Mato Grosso	-11.361305	-55.436689	Sighting	this study
Rio Von der Steinen 01	Mato Grosso	-13.263943	-54.837899	Vocalization	this study
Rio Von der Steinen 02	Mato Grosso	-13.263988	-54.837880	Vocalization	this study
Santa Carmem 01	Mato Grosso	-12.103121	-55.326158	Vocalization	this study
Santa Carmem 02	Mato Grosso	-11.959847	-55.281308	Vocalization	this study
Santa Carmem 03	Mato Grosso	-11.930155	-55.292963	Sighting	this study
Santa Carmem 04	Mato Grosso	-11.931920	-55.283955	Vocalization	this study
Santa Carmem 05	Mato Grosso	-12.005382	-55.276555	Sighting	this study
Santa Carmem 06	Mato Grosso	-12.013666	-55.251751	Vocalization	this study
Santa Carmem 07	Mato Grosso	-11.989872	-55.259761	Sighting	this study
Santa Carmem 08	Mato Grosso	-11.965004	-55.126605	Vocalization	this study
Santa Carmem 09	Mato Grosso	-11.954064	-55.076303	Vocalization	this study
Santa Carmem 10	Mato Grosso	-12.041238	-55.292022	Vocalization	this study
Santa Carmem 11	Mato Grosso	-11.951136	-55.208120	Vocalization	this study
Santa Carmem 12	Mato Grosso	-11.911574	-55.198208	Vocalization	this study
Santa Carmem 13	Mato Grosso	-11.890482	-55.216750	Vocalization	this study
Santa Carmem 14	Mato Grosso	-12.063329	-55.300512	Vocalization	this study
Sinop 01	Mato Grosso	-11.871034	-55.279818	Sighting	this study
Sinop 02	Mato Grosso	-11.870827	-55.294284	Sighting	this study
Sinop 03	Mato Grosso	-11.544889	-55.591250	Vocalization	this study
Sinop 04	Mato Grosso	-11.544889	-55.591250	Vocalization	this study
Sinop 05	Mato Grosso	-11.823611	-55.607139	Vocalization	this study
Sinop 06	Mato Grosso	-12.047724	-55.439422	Vocalization	this study
Sinop 07	Mato Grosso	-11.742756	-55.275308	Sighting	this study
Sinop 08	Mato Grosso	-11.741188	-55.228723	Sighting	this study
Sinop 09	Mato Grosso	-11.816671	-55.410709	Sighting	this study
Sinop 10	Mato Grosso	-11.764517	-55.322575	Sighting	this study

Locality	State	Latitude	Longitude	Type of record	Source
Sinop 11	Mato Grosso	-11.714335	-55.402715	Sighting	this study
Sinop 12	Mato Grosso	-11.732426	-55.360077	Sighting	this study
Sinop 13	Mato Grosso	-11.676353	-55.333191	Sighting	this study
Sinop 14	Mato Grosso	-11.697598	-55.276485	Sighting	this study
Sinop 15	Mato Grosso	-11.877612	-55.326676	Sighting	this study
Sinop 16	Mato Grosso	-11.861895	-55.355669	Sighting	this study
Sinop 17	Mato Grosso	-12.000795	-55.515774	Vocalization	this study
Sinop 18	Mato Grosso	-11.847239	-55.520644	Sighting	this study
Sinop 19	Mato Grosso	-11.858361	-55.523181	Vocalization	this study
Sinop 20	Mato Grosso	-11.845021	-55.501643	Vocalization	this study
Sinop 21	Mato Grosso	-11.837675	-55.499650	Sighting	this study
Sinop 22	Mato Grosso	-11.874484	-55.508674	Vocalization	this study
Sinop 23	Mato Grosso	-11.826172	-55.498228	Vocalization	this study
Sinop 24	Mato Grosso	-11.944878	-55.445391	Vocalization	this study
Sinop 25	Mato Grosso	-11.912271	-55.372858	Vocalization	this study
Sinop 26	Mato Grosso	-11.912673	-55.336744	Sighting	this study
Sinop 29	Mato Grosso	-11.873350	-55.473436	Sighting	this study
Sorriso 01	Mato Grosso	-12.586853	-55.685627	Vocalization	this study
Sorriso 02	Mato Grosso	-12.599357	-55.672188	Vocalization	this study
Sorriso 03	Mato Grosso	-12.558657	-55.676410	Vocalization	this study
Sorriso 04	Mato Grosso	-12.541804	-55.590546	Vocalization	this study
Tucunaré†	Mato Grosso	-11.706861	-55.695374	Sighting	this study
Vera 01	Mato Grosso	-12.284628	-55.559734	Vocalization	this study
Vera 02	Mato Grosso	-12.262604	-55.553367	Vocalization	this study
Vera 03	Mato Grosso	-12.230264	-55.544105	Vocalization	this study
Vera 04	Mato Grosso	-12.545475	-55.564631	Vocalization	this study
Vera 05	Mato Grosso	-12.327764	-55.396058	Vocalization	this study

*Type locality.

†Localities where systematic linear transect sampling was carried out.

SUPPLEMENTARY TABLE 3 Bioclimatic variables from *WorldClim* and *CliMond* databases (Hijmans et al., 2005; Hutchinson et al., 2009; Kriticos et al., 2012) used to build our species distribution model with their relative contribution for explaining habitat suitability for *Plecturocebus vieirai*.

Variable	Relative contribution (%)	Cumulative contribution (%)
BIO16 - Precipitation of Wettest Quarter	35.2	35.2
BIO14 - Precipitation of Driest Month	25.1	60.3
BIO23 - Radiation seasonality	11.3	71.6
BIO12 - Annual Precipitation	5.5	77.1
BIO31 - Moisture index seasonality	5.5	82.6
BIO34 - Mean moisture index of warmest quarter	5.2	87.8
BIO26 - Radiation of warmest quarter	4.6	92.4
BIO8 - Mean Temperature of Wettest Quarter	2.5	94.9
BIO3 - Isothermality	2.2	97.1
BIO5 - Max Temperature of Warmest Month	2	99.1
ALT - Altitude	0.9	0.9
Total	100	100