

Table S2 - Samples used in the study. UT Austin: University of Texas at Austin; CPB/ICMBio: Centro Nacional de Pesquisa e Conservação de Primatas Brasileiros; UEL: Laboratório de Zoonoses e Saúde Pública do Departamento de Medicina Veterinária Preventiva da Universidade Estadual de Londrina; *samples from captivity / unknown exact locality

Number in the map	Species	Sample code	Latitude	Longitude	Sample Type	Source
1	<i>Cebus albifrons</i>	IPB994	-1.05	-62.89	Tissue	[5]
2	<i>Cebus albifrons</i>	RETA10	-3.138056	-55.509722	Tissue	M.G.M.L.; unpublished
3	<i>Cebus albifrons</i>	RETA9	-3.138056	-55.509722	Tissue	[5]
4	<i>Cebus albifrons</i>	FR85	-6.570031	-64.369217	Tissue	[13]
5	<i>Cebus albifrons</i>	LB1272	-4.935556	-68.17333333	Tissue	[57]
6	<i>Cebus albifrons</i>	LB1285	-4.935556	-68.17333333	Tissue	[57]
7	<i>Cebus albifrons</i>	LB1293	-4.935556	-68.17333333	Tissue	[57]
8	<i>Cebus albifrons</i>	LB1297	-4.935556	-68.17333333	Tissue	[5]
9	<i>Cebus albifrons</i>	LB736	-2.47	-64.83	Tissue	[5]
10	<i>Cebus albifrons</i>	LB772	-2.590944	-64.88627778	Tissue	[13]
11	<i>Cebus albifrons</i>	LB858	-4.662722	-56.552722	Tissue	[5]
12	<i>Cebus kaapori</i>	CPB414	*	*	Blood	CPB/ICMBio
13	<i>Cebus kaapori</i>	CPB443	*	*	Blood	CPB/ICMBio
14	<i>Cebus olivaceus</i>	AP116	-0.582778	-52.332778	Tissue	[57]
15	<i>Cebus olivaceus</i>	AP117	-0.582778	-52.332778	Tissue	[13]
16	<i>Cebus olivaceus</i>	AP178	-3.22	-52.03	Tissue	[5]
17	<i>Cebus olivaceus</i>	AP241	-3.85	-52.76	Tissue	[13]
18	<i>Cebus olivaceus</i>	AP242	-3.85	-52.76	Tissue	[57]
19	<i>Cebus olivaceus</i>	CPB479	*	*	Blood	CPB/ICMBio
20	<i>Saimiri</i>	SG6118	*	*	Tissue	UT Austin
21	<i>Saimiri</i>	SP3654	*	*	Tissue	UT Austin
22	<i>Saimiri</i>	SP4308	*	*	Tissue	UT Austin
23	<i>Sapajus apella</i>	AP110	-0.30777778	-52.45138889	Tissue	[5]
24	<i>Sapajus apella</i>	AP133	-0.58277778	-52.33277778	Tissue	[13]
25	<i>Sapajus apella</i>	AP146	3.22027778	-52.02777778	Tissue	[13]
26	<i>Sapajus apella</i>	AP162	3.22027778	-52.02777778	Tissue	M.G.M.L.; unpublished
27	<i>Sapajus apella</i>	AP225	3.85388889	-52.75777778	Tissue	M.G.M.L.; unpublished
28	<i>Sapajus apella</i>	AP226	3.85388889	-52.75777778	Tissue	M.G.M.L.; unpublished
29	<i>Sapajus apella</i>	CA2403	-8.89	-63.24	Tissue	[13]
30	<i>Sapajus apella</i>	CN138	-0.962769444	-55.52224444	Tissue	[5]
31	<i>Sapajus apella</i>	CN150	-0.165488889	-55.1864	Tissue	[5]
32	<i>Sapajus apella</i>	CN153	-0.165488889	-55.1864	Tissue	[5]
33	<i>Sapajus apella</i>	CN217	1.285419444	-58.6959	Tissue	[13]
34	<i>Sapajus apella</i>	CN235	0.828619444	-53.9312	Tissue	M.G.M.L.; unpublished
35	<i>Sapajus apella</i>	CN236	-0.83	-53.93	Tissue	M.G.M.L.; unpublished
36	<i>Sapajus apella</i>	CN249	-0.943969444	-53.2363	Tissue	M.G.M.L.; unpublished

37	<i>Sapajus apella</i>	CN250	-0.943969444	-53.2363	Tissue	[5]
38	<i>Sapajus apella</i>	CN292	0.630280556	-55.7285	Tissue	[5]
39	<i>Sapajus apella</i>	CN293	0.630280556	-55.7285	Tissue	M.G.M.L.; unpublished
40	<i>Sapajus apella</i>	CTG19	-2.060694444	-58.38461111	Tissue	M.G.M.L.; unpublished
41	<i>Sapajus apella</i>	CTG30	-1.88	-58.23	Tissue	M.G.M.L.; unpublished
42	<i>Sapajus apella</i>	FES08	-7.613129	-60.792217	Tissue	[5]
43	<i>Sapajus apella</i>	JIR4590	-12.45298333	-62.92267222	Tissue	[13]
44	<i>Sapajus apella</i>	LB807	-2.483333333	-55.96666667	Tissue	M.G.M.L.; unpublished
45	<i>Sapajus apella</i>	LB808	-2.6	-56.18333333	Tissue	[13]
46	<i>Sapajus apella</i>	LB859	-4.662722222	-56.55272222	Tissue	M.G.M.L.; unpublished
47	<i>Sapajus apella</i>	LB860	-4.662722222	-56.55272222	Tissue	M.G.M.L.; unpublished
48	<i>Sapajus apella</i>	MCB42	-3.36	-51.74	Tissue	[13]
49	<i>Sapajus apella</i>	PARNA68	-3.884916667	-56.77793333	Tissue	[13]
50	<i>Sapajus apella</i>	RBG16	-12.56244444	-63.4415	Tissue	[13]
51	<i>Sapajus apella</i>	RETA01	-3.180077778	-55.80346944	Tissue	[13]
52	<i>Sapajus apella</i>	RETA06	-3.1175	-55.51583333	Tissue	M.G.M.L.; unpublished
53	<i>Sapajus apella</i>	RETA2	-2.801111111	-55.57527778	Tissue	M.G.M.L.; unpublished
54	<i>Sapajus apella</i>	RVR19	-10.00358333	-56.04788889	Tissue	[5]
55	<i>Sapajus apella</i>	RVR20	-10.00169444	-56.04227778	Tissue	[5]
56	<i>Sapajus apella</i>	RVR21	-10.00169444	-56.04227778	Tissue	[13]
57	<i>Sapajus apella</i>	RVR66	-9.60425	-56.016	Tissue	[5]
58	<i>Sapajus apella</i>	RVR69	-9.603944444	-56.01497222	Tissue	[5]
59	<i>Sapajus apella</i>	UNIR307	-8.801109167	-63.94994278	Tissue	[13]
60	<i>Sapajus apella</i>	UNIR324	-9.102089722	-62.88418611	Tissue	[13]
61	<i>Sapajus apella</i>	UNIR349	-12.00090528	-60.68609278	Tissue	M.G.M.L.; unpublished
62	<i>Sapajus apella</i>	UNIR351	-11.95273917	-60.68598889	Tissue	[5]
63	<i>Sapajus apella</i>	UNIR359	-12.033825	-60.66866222	Tissue	[13]
64	<i>Sapajus apella</i>	UNIR395	-8.781854167	-63.7023625	Tissue	M.G.M.L.; unpublished
65	<i>Sapajus apella</i>	UNIR412	-8.670666667	-62.36875139	Tissue	[13]
66	<i>Sapajus apella</i>	UNIR429	-8.191056667	-64.01619694	Tissue	[13]
67	<i>Sapajus apella</i>	UNIR569	-12.50042111	-63.53052944	Tissue	[5]
68	<i>Sapajus cay</i>	MSF	-16.05580833	-57.71719167	Tissue	[13]
69	<i>Sapajus cay</i>	W70	-15.564685	-55.67617	Blood	UEL
70	<i>Sapajus cay</i>	W72	-15.564685	-55.67617	Blood	UEL
71	<i>Sapajus flavius</i>	CPB1	-6.57015	-35.131517	Blood	CPB/ICMBio
72	<i>Sapajus flavius</i>	CPB196	-6.57015	-35.131517	Blood	CPB/ICMBio
73	<i>Sapajus flavius</i>	CPB2	-6.57015	-35.131517	Blood	CPB/ICMBio
74	<i>Sapajus flavius</i>	CPB429	-7.012178	-34.956933	Blood	CPB/ICMBio
75	<i>Sapajus flavius</i>	CPB462	-6.57015	-35.131517	Blood	CPB/ICMBio
76	<i>Sapajus flavius</i>	CPB463	-7.012178	-34.956933	Blood	CPB/ICMBio
77	<i>Sapajus flavius</i>	CPB502	-7.012178	-34.956933	Blood	CPB/ICMBio
78	<i>Sapajus flavius</i>	CPB517	-7.012178	-34.956933	Blood	CPB/ICMBio
79	<i>Sapajus cf. flavius</i> ^{*1}	CPB527	-6.38901	-35.9421	Blood	CPB/ICMBio

80	<i>Sapajus cf. flavius</i> * ¹	CPB536	-9.530297	-37.858073	Blood	CPB/ICMBio
81	<i>Sapajus flavius</i>	CPB559	-7.012178	-34.956933	Blood	CPB/ICMBio
82	<i>Sapajus flavius</i>	CPB570	-7.01510877	-35.09102391	Blood	CPB/ICMBio
83	<i>Sapajus flavius</i>	CPB580	-7.012178	-34.956933	Blood	CPB/ICMBio
84	<i>Sapajus flavius</i>	CPB589	-7.476653	-34.984681	Blood	CPB/ICMBio
85	<i>Sapajus flavius</i>	CPB593	-7.476653	-34.984681	Blood	CPB/ICMBio
86	<i>Sapajus flavius</i>	CPB598	-7.476653	-34.984681	Blood	CPB/ICMBio
87	<i>Sapajus flavius</i>	CPB601	-7.476653	-34.984681	Blood	CPB/ICMBio
88	<i>Sapajus flavius</i>	CPB608	-7.476653	-34.984681	Blood	CPB/ICMBio
89	<i>Sapajus flavius</i>	CPB613	-7.015639	-35.088806	Blood	CPB/ICMBio
90	<i>Sapajus flavius</i>	CPB615	-7.015639	-35.088806	Blood	CPB/ICMBio
91	<i>Sapajus flavius</i>	CPB616	-6.609469	-35.135155	Blood	CPB/ICMBio
92	<i>Sapajus flavius</i>	CPB617	-6.609469	-35.135155	Blood	CPB/ICMBio
93	<i>Sapajus flavius</i>	CPB618	-6.609469	-35.135155	Blood	CPB/ICMBio
94	<i>Sapajus libidinosus</i>	CPB112	-9.010022	-42.691312	Blood	CPB/ICMBio
95	<i>Sapajus libidinosus</i>	CPB237	-8.736013	-42.636224	Blood	CPB/ICMBio
96	<i>Sapajus libidinosus</i>	CPB238	-8.736013	-42.636224	Blood	CPB/ICMBio
97	<i>Sapajus libidinosus</i>	CPB239	-8.736013	-42.636224	Blood	CPB/ICMBio
98	<i>Sapajus libidinosus</i>	CPB240	-8.736013	-42.636224	Blood	CPB/ICMBio
99	<i>Sapajus libidinosus</i>	CPB241	-8.736013	-42.636224	Blood	CPB/ICMBio
100	<i>Sapajus libidinosus</i>	CPB379	-6.600234	-38.249935	Tissue	CPB/ICMBio
101	<i>Sapajus libidinosus</i>	CPB382	-6.600234	-38.249935	Tissue	CPB/ICMBio
102	<i>Sapajus libidinosus</i>	CPB447	-6.942634	-38.324782	Tissue	CPB/ICMBio
103	<i>Sapajus libidinosus</i>	CPB456	-6.765285	-38.23697	Tissue	CPB/ICMBio
104	<i>Sapajus libidinosus</i>	CPB457	-6.886193	-38.560818	Tissue	CPB/ICMBio
105	<i>Sapajus libidinosus</i>	CPB458	-6.886193	-38.560818	Tissue	CPB/ICMBio
106	<i>Sapajus libidinosus</i>	CPB619	-7.949199	-38.282713	Tissue	CPB/ICMBio
107	<i>Sapajus libidinosus</i>	CPB620	-7.949199	-38.282713	Blood	CPB/ICMBio
108	<i>Sapajus libidinosus</i>	CPB621	-7.949199	-38.282713	Blood	CPB/ICMBio
109	<i>Sapajus libidinosus</i>	DT01	-2.7665	-41.80761111	Tissue	[5]
110	<i>Sapajus libidinosus</i>	DT03	-2.804027778	-41.86638889	Tissue	[5]
111	<i>Sapajus libidinosus</i>	DT05	-2.846388889	-41.83055556	Tissue	[5]
112	<i>Sapajus libidinosus</i>	DT06	-2.846388889	-41.83055556	Tissue	M.G.M.L.; unpublished
113	<i>Sapajus libidinosus</i>	DT8	-7.929077778	-44.19598611	Tissue	[13]
114	<i>Sapajus libidinosus</i>	LIB01	-5.09	-42.43	Tissue	[5]
115	<i>Sapajus libidinosus</i>	MN36336	-14.13657222	-48.38323889	Tissue	[5]
116	<i>Sapajus libidinosus</i>	MN37431	-14.14	-48.17	Tissue	[13]
117	<i>Sapajus libidinosus</i>	UFG1	-16.60365556	-49.26155	Tissue	[5]
118	<i>Sapajus libidinosus</i>	UFG2	-16.60365556	-49.26155	Tissue	[13]
119	<i>Sapajus macrocephalus</i>	AAM3	-3.887694444	-64.25105556	Tissue	[5]
120	<i>Sapajus macrocephalus</i>	CTG118	-0.613388889	-64.92069444	Tissue	[13]
121	<i>Sapajus macrocephalus</i>	CTG160	-4.987138889	-62.95977778	Tissue	[13]
122	<i>Sapajus macrocephalus</i>	CTG173	-5.697	-63.241	Tissue	M.G.M.L.; unpublished
123	<i>Sapajus macrocephalus</i>	CTG183	-5.694	-63.238	Tissue	[13]
124	<i>Sapajus macrocephalus</i>	CTG5673	-2.449527778	-65.36355556	Blood	M.G.M.L.; unpublished
125	<i>Sapajus macrocephalus</i>	CTG5675	-2.449527778	-65.36355556	Blood	M.G.M.L.; unpublished
126	<i>Sapajus macrocephalus</i>	CTG713	-1.84	-69.03	Tissue	M.G.M.L.; unpublished
127	<i>Sapajus macrocephalus</i>	CTG715	-1.84	-69.03	Tissue	[13]

128	<i>Sapajus macrocephalus</i>	FR115	-3.37	-60.48472222	Tissue	[13]
129	<i>Sapajus macrocephalus</i>	JPB80	-0.478194444	-64.41125	Tissue	[13]
130	<i>Sapajus macrocephalus</i>	LB1253	-5.209166667	-69.31583333	Tissue	M.G.M.L.; unpublished
131	<i>Sapajus macrocephalus</i>	LB1265	-5.209166667	-69.31583333	Tissue	[5]
132	<i>Sapajus macrocephalus</i>	LB1295	-4.935555556	-68.17333333	Tissue	M.G.M.L.; unpublished
133	<i>Sapajus macrocephalus</i>	LB1298	-4.935555556	-68.17333333	Tissue	[13]
134	<i>Sapajus macrocephalus</i>	LB138	-4.395869444	-70.13845278	Tissue	[13]
135	<i>Sapajus macrocephalus</i>	LB139	-4.395869444	-70.13845278	Tissue	M.G.M.L.; unpublished
136	<i>Sapajus macrocephalus</i>	LB712	-2.469722222	-64.82583333	Tissue	[13]
137	<i>Sapajus macrocephalus</i>	LB740	-2.590944444	-64.88627778	Tissue	M.G.M.L.; unpublished
138	<i>Sapajus macrocephalus</i>	LB743	-2.590944444	-64.88627778	Tissue	M.G.M.L.; unpublished
139	<i>Sapajus macrocephalus</i>	LB751	-2.590944444	-64.88627778	Tissue	[13]
140	<i>Sapajus macrocephalus</i>	LB767	-2.590944444	-64.88627778	Tissue	M.G.M.L.; unpublished
141	<i>Sapajus macrocephalus</i>	LB768	-2.590944444	-64.88627778	Tissue	M.G.M.L.; unpublished
142	<i>Sapajus macrocephalus</i>	LB779	-2.449527778	-65.36355556	Tissue	[5]
143	<i>Sapajus macrocephalus</i>	LB780	-2.449527778	-65.36355556	Tissue	[13]
144	<i>Sapajus macrocephalus</i>	SGC	-0.233333333	-66.85	Tissue	[13]
145	<i>Sapajus nigritus</i>	W112	-22.833333	-53.332778	Blood	UEL
146	<i>Sapajus nigritus</i>	W25	-22.845833	-53.304444	Blood	UEL
147	<i>Sapajus nigritus</i>	W59	-22.833333	-53.332778	Blood	UEL
148	<i>Sapajus robustus</i>	CP2110	*	*	Blood	[13]
149	<i>Sapajus robustus</i>	CPB165	*	*	Blood	CPB/ICMBio
150	<i>Sapajus robustus</i>	CPB167	*	*	Blood	CPB/ICMBio
151	<i>Sapajus robustus</i>	CPB169	*	*	Blood	CPB/ICMBio
152	<i>Sapajus cf. flavius</i> ^{*1}	CPB530	-9.392467	-38.201539	Blood	CPB/ICMBio
153	<i>Sapajus cf. flavius</i> ^{*1}	CPB531	-9.392467	-38.201539	Blood	CPB/ICMBio
154	<i>Sapajus cf. flavius</i> ^{*1}	CPB532	-9.392467	-38.201539	Blood	CPB/ICMBio
155	<i>Sapajus cf. flavius</i> ^{*1}	CPB533	-9.392467	-38.201539	Blood	CPB/ICMBio
156	<i>Sapajus cf. flavius</i> ^{*1}	CPB534	-9.392467	-38.201539	Blood	CPB/ICMBio
157	<i>Sapajus cf. flavius</i> ^{*1}	CPB538	-9.657455	-37.660893	Blood	CPB/ICMBio
158	<i>Sapajus cf. flavius</i> ^{*1}	CPB542	-9	-37.91	Blood	CPB/ICMBio
159	<i>Sapajus cf. flavius</i> ^{*1}	CPB543	-9	-37.91	Blood	CPB/ICMBio
160	<i>Sapajus cf. flavius</i> ^{*1}	CPB544	-9	-37.91	Blood	CPB/ICMBio
161	<i>Sapajus cf. flavius</i> ^{*1}	CPB545	-9	-37.91	Blood	CPB/ICMBio
162	<i>Sapajus xanthosternos</i>	CP1624	-14.79	-39.05	Blood	[13]
163	<i>Sapajus xanthosternos</i>	CP2006	-14.79	-39.05	Blood	[13]
164	<i>Sapajus xanthosternos</i>	CPB102	-10.489513	-36.442764	Blood	CPB/ICMBio
165	<i>Sapajus xanthosternos</i>	CPB103	-10.489513	-36.442764	Blood	CPB/ICMBio
166	<i>Sapajus xanthosternos</i>	CPB104	-10.489513	-36.442764	Blood	CPB/ICMBio
167	<i>Sapajus xanthosternos</i>	CPB105	-10.489513	-36.442764	Blood	CPB/ICMBio
168	<i>Sapajus xanthosternos</i>	CPB107	-10.489513	-36.442764	Blood	CPB/ICMBio
169	<i>Sapajus xanthosternos</i>	CPB108	-10.489513	-36.442764	Blood	CPB/ICMBio
170	<i>Sapajus xanthosternos</i>	CPB164	*	*	Blood	CPB/ICMBio
171	<i>Sapajus xanthosternos</i>	CPB174	*	*	Blood	CPB/ICMBio

*samples from populations of capuchins occupying areas of the Atlantic Forest-Caatinga transition whose taxonomic assignment as *Sapajus flavius* is uncertain.