

Table S8. Genome rate, branch length and indels within Platyrrhini species.

SPECIES	FAMILY	SUBFAMILY	GENUS	Substitution	Rate 95% HPD-	Rate 95% HPD-	Branch Length	Branch Length	Number of indels per branch
				rate <sup>1</sup>	L	H	(ML)	(MP)	
ACA 3 Alouatta caraya	Atelidae	Alouattinae	Alouatta	6.62	3.60	10.45	27.01	52	1
ASA 1 Alouatta sara	Atelidae	Alouattinae	Alouatta	4.78	2.56	7.51	19.79	46	0
ABE 1 Alouatta belzebul	Atelidae	Alouattinae	Alouatta	17.18	9.94	25.31	84.05	217	1
APL 1 Alouatta palliata	Atelidae	Alouattinae	Alouatta	5.38	3.23	7.91	31.54	88	0
ABZ 1 Ateles belzebuth	Atelidae	Atelinae	Ateles	7.54	2.95	12.34	13.09	40	0
AGO 2 Ateles geoffroyi	Atelidae	Atelinae	Ateles	12.49	5.19	20.40	22.87	66	0
AHY 1 Ateles hybridus	Atelidae	Atelinae	Ateles	9.70	4.69	15.00	26.04	61	0
AFC 7 Ateles fusciceps	Atelidae	Atelinae	Ateles	2.99	1.45	4.75	8.72	24	0
ACM 1 Ateles chamek	Atelidae	Atelinae	Ateles	6.38	2.00	11.64	7.88	22	0
APC 1 Ateles paniscus	Atelidae	Atelinae	Ateles	4.97	1.51	9.14	5.89	14	0
BHY 1 Brachyteles hypoxanthus	Atelidae	Atelinae	Brachyteles	9.52	3.76	16.28	25.82	44	0
BAR 1 Brachyteles arachnoides	Atelidae	Atelinae	Brachyteles	5.02	1.92	8.7	12.82	25	0
LAC 2 Lagothrix cana	Atelidae	Atelinae	Lagothrix	4.22	1.19	8.05	1.64	4	0
LLG 1 Lagothrix lagotricha	Atelidae	Atelinae	Lagothrix	9.08	2.97	17.18	5.43	14	0
AZB 1 Aotus azarae boliviensis	Cebidae	Aotinae	Aotus	5.23	1.76	9.39	4.03	7	0
AZI 1 Aotus azarae infulatus	Cebidae	Aotinae	Aotus	14.92	6.12	24.81	14.40	21	0
AZA 1 Aotus azarae	Cebidae	Aotinae	Aotus	2.91	1.24	4.95	4.85	10	1
ANA 1 Aotus nancymae	Cebidae	Aotinae	Aotus	2.46	1.26	3.85	8.40	22	0
ALM 1 Aotus lemurinus griseimembra	Cebidae	Aotinae	Aotus	5.31	2.01	9.71	13.22	37	0
ATR 1 Aotus trivirgatus	Cebidae	Aotinae	Aotus	6.35	2.62	11.56	16.21	43	1
CGO 1 Callimico goeldii	Cebidae	Callitrichinae	Callimico	8.14	5.45	10.74	86.62	246	9
CJA 1 Callithrix jacchus	Cebidae	Callitrichinae	Callithrix	6.33	2.16	12.21	4.34	12	1
CPE 10 Callithrix penicillata	Cebidae	Callitrichinae	Callithrix	5.89	1.98	11.09	3.95	10	0
CKU 1 Callithrix kuhlii	Cebidae	Callitrichinae	Callithrix	11.83	4.57	20.59	15.83	32	0
CGE 4 Callithrix geoffroyi	Cebidae	Callitrichinae	Callithrix	3.75	1.40	6.62	4.66	12	0
CAI 1 Callithrix aurita	Cebidae	Callitrichinae	Callithrix	9.49	4.58	14.70	35.79	66	0
CPY 5 Cebuella pygmaea	Cebidae	Callitrichinae	Cebuella	6.97	3.79	10.58	32.83	88	1
LCH 1 Leontopithecus chrysomelas	Cebidae	Callitrichinae	Leontopithecus	6.12	1.45	12.35	2.38	6	0
LRO 244 Leontopithecus rosalia	Cebidae	Callitrichinae	Leontopithecus	6.75	1.92	13.41	2.83	7	0
CAR 1 Mico argentata	Cebidae	Callitrichinae	Mico	5.21	1.89	9.17	9.96	17	1
MHU 1 Mico humeralifer	Cebidae	Callitrichinae	Mico	12.14	4.80	21.09	25.08	47	1
SBI 1 Saguinus bicolor	Cebidae	Callitrichinae	Saguinus	4.51	1.51	8.12	4.38	5	0
SSI 1 Saguinus martinsi	Cebidae	Callitrichinae	Saguinus	12.68	4.48	21.98	16.91	25	0
SMD 1 Saguinus midas	Cebidae	Callitrichinae	Saguinus	5.08	2.26	8.27	13.55	29	0
SGE 3 Saguinus geoffroyi	Cebidae	Callitrichinae	Saguinus	3.35	1.09	6.62	0.42	1	0
SOE 3 Saguinus oedipus	Cebidae	Callitrichinae	Saguinus	12.28	3.43	22.71	4.86	10	0
SLA 1 Saguinus labiatus	Cebidae	Callitrichinae	Saguinus	4.78	1.69	8.60	4.14	13	0
SMY 3 Saguinus mystax	Cebidae	Callitrichinae	Saguinus	5.18	1.62	9.89	7.59	18	2
SIM 2 Saguinus imperator	Cebidae	Callitrichinae	Saguinus	7.62	3.45	12.31	27.35	49	0
SFU 6 Saguinus fuscicollis	Cebidae	Callitrichinae	Saguinus	6.15	4.02	8.38	52.11	147	6
CRO 1 Cebus robustus	Cebidae	Cebinae	Cebus	12.50	5.01	21.98	18.67	34	0

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				rate <sup>1</sup>	L	H	(ML)	(MP)	
CXA 1 <i>Cebus xanthosternos</i>	Cebidae	Cebinae	<i>Cebus</i>	2.98	1.20	5.21	2.99	7	1
CAP 13 <i>Cebus apella</i>	Cebidae	Cebinae	<i>Cebus</i>	8.45	3.53	14.78	15.29	36	0
CCP 3 <i>Cebus capucinus</i>	Cebidae	Cebinae	<i>Cebus</i>	5.17	1.80	8.98	8.07	12	0
CEA 1 <i>Cebus albifrons</i>	Cebidae	Cebinae	<i>Cebus</i>	13.51	5.03	23.14	23.83	41	0
COV 1 <i>Cebus olivaceus</i>	Cebidae	Cebinae	<i>Cebus</i>	3.90	1.53	6.66	7.09	17	1
SOO 1 <i>Saimiri oerstedii oerstedii</i>	Cebidae	Saimirinae	<i>Saimiri</i>	8.89	2.85	16.20	6.13	18	2
SSC 7 <i>Saimiri sciureus</i>	Cebidae	Saimirinae	<i>Saimiri</i>	4.40	1.51	8.25	2.72	8	2
SAU 1 <i>Saimiri ustus</i>	Cebidae	Saimirinae	<i>Saimiri</i>	7.62	2.17	14.02	9.92	5	0
SBO 3 <i>Saimiri boliviensis boliviensis</i>	Cebidae	Saimirinae	<i>Saimiri</i>	4.81	1.89	8.04	9.60	25	0
CBS 1 <i>Callicebus brunneus</i>	Pitheciidae	Callicebinae	<i>Callicebus</i>	15.30	7.13	24.73	50.85	34	0
CMH 1 <i>Callicebus moloch</i>	Pitheciidae	Callicebinae	<i>Callicebus</i>	7.32	3.44	12.07	21.55	13	1
CCU 2 <i>Callicebus cupreus</i>	Pitheciidae	Callicebinae	<i>Callicebus</i>	3.19	1.31	5.19	8.83	14	0
CDO 1 <i>Callicebus donacophilus</i>	Pitheciidae	Callicebinae	<i>Callicebus</i>	3.20	1.18	5.74	3.81	8	0
CCO 1 <i>Callicebus coimbrai</i>	Pitheciidae	Callicebinae	<i>Callicebus</i>	6.35	2.46	11.20	16.17	25	0
CLP 1 <i>Callicebus personatus</i>	Pitheciidae	Callicebinae	<i>Callicebus</i>	7.04	2.42	11.98	18.12	31	0
CNI 1 <i>Callicebus nigrifrons</i>	Pitheciidae	Callicebinae	<i>Callicebus</i>	5.43	2.38	9.10	25.83	48	0
CCG 1 <i>Callicebus caligatus</i>	Pitheciidae	Callicebinae	<i>Callicebus</i>	11.5	4.12	20.1	17.91	40	0
CAM 1 <i>Cacajao melanocephalus</i>	Pitheciidae	Pitheciinae	<i>Cacajao</i>	9.09	3.93	15.20	29.30	56	0
CCL 1 <i>Cacajao calvus</i>	Pitheciidae	Pitheciinae	<i>Cacajao</i>	5.45	2.35	9.42	16.51	38	0
CIS 1 <i>Chiropotes israelita</i>	Pitheciidae	Pitheciinae	<i>Chiropotes</i>	9.74	2.93	19.28	16.36	26	0
CSA 2 <i>Chiropotes satanas chiropotes</i>	Pitheciidae	Pitheciinae	<i>Chiropotes</i>	4.83	1.51	9.43	7.17	15	1
PIR 1 <i>Pithecia irrorata</i>	Pitheciidae	Pitheciinae	<i>Pithecia</i>	6.57	2.41	11.46	24.58	37	1
PPT 1 <i>Pithecia pithecia</i>	Pitheciidae	Pitheciinae	<i>Pithecia</i>	7.45	3.04	13.06	26.89	42	2