

Table S1. mtDNA haplogroup frequencies of Colombian and South America Amerindian tribes belonging to the Chibcha, Tucano-Equatorial, Andean and Ge-Pano-Carib linguistic families, as well as some Colombian African-descendant populations, and African population used for NM-MDS analysis.

Population	N	A	B	C	D	E	Diversity
1. Tatuyo (Col) ¹	10	40,0	0,0	50,0	10,0	0,0	0,644
2. Guanana (Col) ¹	10	20,0	0,0	20,0	50,0	10,0	0,733
3. Guahibo (Col) ^{23,5}	40	53,0	2,0	10,0	0,0	35,0	0,606
4. Saliva (Col) ²³	13	15,0	0,0	55,0	15,0	15,0	0,692
5. Ticuna (Col) ^{5,23,31}	238	15,0	12,0	36,0	37,0	0,0	0,699
6. Zoro (Bra) ¹⁷	30	20,0	7,0	13,0	60,0	0,0	0,598
7. Gavião (Bra) ^{17,28}	43	9,0	9,0	0,0	82,0	0,0	0,328
8. Wayuu (Col) ^{1,5,2,26}	123	29,0	24,0	45,0	0,0	2,0	0,660
9. Ignaciano (Bol) ¹³	22	18,0	36,0	41,0	0,0	5,0	0,697
10. Trinitarion (Bol) ¹³	35	14,0	40,0	37,0	3,0	6,0	0,698
11. Movima (Bol) ¹³	22	9,0	9,0	64,0	18,0	0,0	0,571
12. Yuracaré (Bol) ¹³	28	39,0	32,0	21,0	4,0	4,0	0,720
13. Piaroa (Col) ^{5,31}	28	39,0	8,0	19,0	34,0	0,0	0,706
14. Wapishana (Bra) ³¹	12	0,0	25,0	8,0	67,0	0,0	0,530
15. Cubeo (Col) ^{1,23}	46	30,0	13,0	40,0	15,0	2,0	0,730
16. Curripaco (Col) ^{1,5,23}	44	27,0	23,0	50,0	0,0	0,0	0,686
17. Desano (Col) ^{1,23}	22	33,0	7,0	22,0	38,0	0,0	0,740
18. Piapoco (Col) ^{1,23}	47	15,0	14,0	20,0	9,0	42,0	0,747
19. Puinave (Col) ^{1,23}	80	6,0	33,0	46,0	11,0	4,0	0,671

20. Suruí (Bra) ²⁷	44	11,0	2,0	0,0	87,0	0,0	0,246
21. Cinta Larga (Bra) ^{28,29}	20	20,0	0,0	20,0	60,0	0,0	0,590
22. Munduruku (Bra) ²⁸	40	13,0	15,0	10,0	62,0	0,0	0,576
23. Parakanã (Bra) ^{28,29}	13	8,0	23,0	46,0	23,0	0,0	0,731
24. Urubu-Kaapor (Bra) ^{28,29}	42	22,0	33,0	14,0	31,0	0,0	0,745
25. Coreguaje (Col) ⁵	42	5,0	22,0	64,0	2,0	7,0	0,546
26. Siona (Col) ⁵	12	75,0	17,0	8,0	0,0	0,0	0,439
27. Tucano (Col) ^{1,5}	31	3,0	20,0	27,0	47,0	3,0	0,682
28. Barasano (Col) ¹	5	80,0	0,0	0,0	20,0	0,0	0,400
29. Tuyuca (Col) ¹	6	17,0	50,0	0,0	17,0	16,0	0,800
30. Yeral (Col) ¹	8	12,5	12,5	50,0	25,0	0,0	0,750
31. Piratapuyo (Col) ¹	8	12,5	12,5	50,0	12,5	12,5	0,786
<i>TUCANO- EQUATORIAL TOTAL</i>	<i>1164</i>	<i>22,9</i>	<i>16,2</i>	<i>28,6</i>	<i>27,1</i>	<i>5,3</i>	<i>0,637</i>

CHIBCHA

Population	N	A	B	C	D	E	Diversity
32. Teribe (Pan) ⁶	20	80,0	20,0	0,0	0,0	0,0	0,337
33. Guatasa (Cost. ric) ⁶	20	85,0	15,0	0,0	0,0	0,0	0,268
34. Kuna (Pan/Col) ^{5,6,7}	109	64,0	25,0	10,0	0,0	1,0	0,356
35. Bribri-Cabecar (Cost. ric) ⁶	24	54,0	46,0	0,0	0,0	0,0	0,518
36. Huetar (Cost. ric) ⁸	27	70,0	4,0	0,0	26,0	0,0	0,453
37. Ngöbe (Pan) ⁷	62	68	32	0	0	0,0	0,444
38. Cayapa (Ecu) ⁹	120	29,0	40,0	9,0	22,0	0,0	0,706
39. Atcemeños (Chi) ^{10,34,35}	136	12,0	68,0	15,0	5,0	0,0	0,498

40. Arhuaco (Ecu/Col) ^{1,5,2,3}	141	89,0	3,0	8,0	0,0	0,0	0,196
41. Yanomamö (Bra) ^{6,20,21,36}	288	3,0	17,0	58,0	18,0	4,0	0,602
42. Chimila (Col) ^{1,5}	56	92,0	3,0	1,0	3,0	1,0	0,203
43. Waunana (Col) ^{5,22}	60	0,0	63,0	30,0	7,0	0,0	0,513
44. Arsario (Col) ^{1,5,2,3}	116	39,0	3,0	55,0	0,0	3,0	0,504
45. Guane-Butaregua (Col) ⁵	33	12,0	64,0	0,0	24,0	0,0	0,538
46. Boruca (A.central) ⁶	14	21,0	72,0	0,0	7,0	0,0	0,473
47. Kogui (Col) ^{1,5,2,11}	160	58,0	0,0	42,0	0,0	0,0	0,490
48. Awa-Kuaikier (Col) ⁴	35	9,0	69,0	0,0	14,0	8,0	0,509
49. Embera (Col) ^{1,4,23,26}	82	42,0	36,0	10,0	2,0	10,0	0,683
CHIBCHAS TOTAL	1503	45,9	32,2	13,2	7,1	1,5	0,461

ANDEAN

Population	N	A	B	C	D	E	Diversity
50. Aymara (Chi/Per/Bol) ^{10,13,32,34}	377	6,0	75,0	8,0	10,0	1,0	0,418
51. Quechua (Per/Bol) ^{10,13,32}	143	10,0	77,0	7,0	6,0	0,0	0,393
52. Mapuche (Chi/Arg) ^{12,14,24,30}	311	4,0	24,0	32,0	35,0	5,0	0,714
53. Huilliche (Chi) ^{10,24}	118	5,0	29,0	18,0	48,0	0,0	0,655
54. Pehuenche (Chi) ^{10,24}	205	2,0	10,0	39,0	49,0	0,0	0,602
55. Fuegian (Arg) ¹⁵	45	0,0	0,0	43,0	57,0	0,0	0,499
56. Ingano (Col) ^{1,5,23,26}	139	26,0	34,0	38,0	1,0	1,0	0,673
57. Jujeños (Arg) ¹⁶	65	12,0	65,0	8,0	15,0	0,0	0,546
58. Arequipa (Per) ³³	22	9,0	68,0	14,0	9,0	0,0	0,524
59. Tayacaja (Per) ³³	61	21,0	33,0	13,0	30,0	3,0	0,754
60. Ancash (Per) ³⁵	33	9,0	52,0	18,0	21,0	0,0	0,669

61. Aónikenk (Arg/Chi) ^{15,35,37}	48	0,0	7,0	34,0	59,0	0,0	0,553
62. Yahgan (Arg/Chi) ^{15,24,37}	37	0	0	73	27	0	0,405
63. Kawéskar (Arg/Chi) ^{15,37}	26	0,0	0,0	29,0	71,0	0,0	0,443
64. Selk'nam (Arg/Chi) ^{15,37}	15	0,0	0,0	73,0	23,0	4,0	0,448
ANDEAN TOTAL	1645	6,9	31,6	29,8	30,7	0,9	0,553

GE-PANO-CARIB

Comunidad	N	A	B	C	D	E	Diversity
65. Huitoto (Col) ^{5,23}	35	21,0	2,0	27,0	46,0	4,0	0,691
66. Yagua (Col) ²³	12	25,0	0,0	67,0	8,0	0,0	0,530
67. Mataco (Arg) ^{6,18,19,25}	228	11,0	50,0	9,0	29,0	1,0	0,649
68. Toba (Arg) ²⁵	67	18,0	43,0	5,0	34,0	0,0	0,671
69. Chorote (Arg) ^{19,24}	34	14,0	45,0	22,0	19,0	0,0	0,718
70. Xavante (Bra) ¹⁷	25	16,0	84,0	0,0	0,0	0,0	0,280
71. Pilaga (Arg) ¹⁸	41	5,0	37,0	27,0	29,0	2,0	0,723
72. Chimane (Bol) ¹³	41	39,0	54,0	5,0	0,0	2,0	0,571
73. Mosen (Bol) ¹³	20	40,0	55,0	0,0	0,0	5,0	0,563
74. Makiritare(Ven) ³¹	10	20,0	0,0	70,0	10,0	0,0	0,511
75. Macushi (Bra) ³¹	10	10,0	20,0	30,0	40,0	0,0	0,778
76. Marubo (Bol) ³¹	10	10,0	0,0	60,0	30,0	0,0	0,600
77. Krahó (Bra) ^{6,31}	22	40,0	47,0	13,0	0,0	0,0	0,636
78. Xikrin (Bra) ^{28,29}	43	37,0	63,0	0,0	0,0	0,0	0,478
79. Murui-Muinane (Col) ⁵	19	11,0	21,0	37,0	26,0	5,0	0,778
80. Kaingang (Bra) ³⁶	78	52,2	3,0	45,0	0,0	0,0	0,529
GE-PANO-CARIB TOTAL	695	23,1	32,8	26,1	16,9	1,2	0,607

Not classified

Population	Nº	A	B	C	D	E	Diversity
81. Paez ^{1,5,23}	87	49,0	12,0	26,0	13,0	1,0	0,675
82. Guambiano ^{1,5}	47	4,0	8,0	72,0	6,0	0,0	0,455

Afrodescendant Colombian populations

Population	Nº	A	B	C	D	L	E
83. Nuqui ³⁸	33	0,151	0,061	0,0	0,0	0,394	0,394
84. San-Basilio ³⁸	38	0,053	0,053	0,0	0,026	0,447	0,421
85. Providencia ³⁸	40	0,100	0,0	0,0	0,0	0,525	0,375

African Populations

Population	Nº	A	B	C	D	L	E
86. Kung ³⁹	33	0,0	0,0	0,0	0,0	1	0,0
87. Mbuti-Pygmyes ³⁹	38	0,0	0,0	0,0	0,0	1	0,0
88. Biaka-Pygmyes ³⁹	40	0,0	0,0	0,0	0,0	1	0,0

References: (1) Present study; (2) Melton *et al.*, 2007; (3) Briceño *et al.*, 2003; (4) Barreto *et al.*, 2006; (5) Keyeux *et al.*, 2002; (6) Torroni *et al.*, 1993a; (7) Kolman *et al.*, 1995; (8) Santos *et al.*, 1994; (9) Rickards *et al.*, 1999; (10) Merriwether *et al.*, 1995; (11) Merriwether *et al.*, 1997; (12) Bailliet *et al.*, 1994, (13) Bert *et al.*, 2001; (14) Ginther *et al.*, 1993; (15) Lalueza *et al.*, 1996/97; (16) Dipierri *et al.*, 1998; (17) Ward *et al.*, 1996; (18) Demarchi *et al.*, 2001; (19) Bianchi *et al.*, 1995; (20) Williams *et al.*, 2002; (21) Lobato-da-Silva *et al.*, 2001, citado por Melton *et al.*, 2007; (22) Kolman y Bermingham, 1997; (23) Torres *et al.*, 2006; (24) Moraga *et al.*, 2000; (25) Cabana *et al.*, 2005; (26) Mesa *et al.*, 2000; (27) Bonatto y Salzano, 1997; (28) Ribeiro-dos-santos *et al.*, citado por Marrero *et al.*, 2006; (29) Dornelles *et al.*, 2005; (30) Horai *et al.*, 1993; (31) Torroni *et al.*, 1993a; (32) Sandoval *et al.*, 2004; (33) Fuselli *et al.*, 2003; (34) Rothhammer *et al.*, 2002; (35) Stone *et al.*, 2004; (36) Easton *et al.*, 1996; (37) García-Bouret *et al.*, 2004; (38) Rodas *et al.*, 2002; (39) Chen *et al.*, 2000