MORPHOLOGICAL EVOLUTION OF THE EXTANT HOMINOIDS AND PAPIONINS: IMPLICATIONS FOR PALAEOANTHROPOLOGICAL CLADISTICS

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TABLES

Table 1. Variables used in Dataset A.

Variable	Definition	Source
P1	I^1 labiolingual diameter	Wood (1975)#1
P2	I^1 mesiodistal diameter	Wood (1975)#2
P3	I^2 labiolingual diameter	Wood (1975)#3
P4	I^2 mesiodistal diameter	Wood (1975)#4
P5	C^1 mesiodistal diameter	Wood (1975)#5
P6	C^1 labiolingual diameter	Wood (1975)#6
P7	C^1 labial height	Wood (1975)#7
P8	P^3 labiolingual diameter	Wood (1975)#8
P9	P^3 mesiodistal diameter	Wood (1975)#9
P10	P^4 labiolingual diameter	Wood (1975)#10
P11	P^4 mesiodistal diameter	Wood (1975)#11
P12	M^1 labiolingual diameter	Wood (1975)#12
P13	M^1 mesiodistal diameter	Wood (1975)#13
P14	M^2 labiolingual diameter	Wood (1975)#14
P15	M^2 mesiodistal diameter	Wood (1975)#15
P16	M^3 labiolingual diameter	Wood (1975)#16
P17	M^3 mesiodistal diameter	Wood (1975)#17
P18	Outer alveolar breadth at M^3	Wood (1975)#61
P19	Inter upper canine breadth	Wood (1975)#63
P20	Palate length	Wood (1975)#64
P21	Inner alveolar breadth at M^3	Wood (1975)#65
P22	Palate depth at M^1	Wood (1975)#66
P23	Prosthion to plane of M^3	Wood (1975)#68
P24	Maxillo-Alveolar breadth (M^2B-M^2 B)	Chamberlain (1987)#P2
P25	Breadth between upper second molars (M^2L-M^2L)	Chamberlain (1987)#P4
P26	Palate depth at incisive fossa	Chamberlain(1987)#P5
P27	Palate depth at upper second molars	Chamberlain (1987)#P6
P28	Maxillary alveolar subtense	Chamberlain (1987)#P7
P29	Upper incisor alveolar length	Chamberlain (1987)#P8
P30	Upper premolar alveolar length	Chamberlain (1987)#P9

P31	Upper molar alveolar length	Chamberlain (1987)#P10
M1	I_1 labiolingual diameter	Wood (1975)#18
M2	I_1 mesiodistal diameter	Wood (1975)#19
M3	I_2 labiolingual diameter	Wood (1975)#20
M4	I_2 mesiodistal diameter	Wood (1975)#21
M5	C_1 labiolingual diameter	Wood (1975)#22
M6	C_1 mesiodistal diameter	Wood (1975)#23
M7	C_1 labial height	Wood (1975)#24
M8	P_3 buccolingual diameter	Wood (1975)#25
M9	P_3 mesiodistal diameter	Wood (1975)#26
M10	P_4 buccolingual diameter	Wood (1975)#27
M11	P_4 mesiodistal diameter	Wood (1975)#28
M12	M_1 buccolingual diameter	Wood (1975)#29
M13	M_1 mesiodistal diameter	Wood (1975)#30
M14	M_2 buccolingual diameter	Wood (1975)#31
M15	M_2 mesiodistal diameter	Wood (1975)#32
M16	M_3 buccolingual diameter	Wood (1975)#33
M17	M_3 mesiodistal diameter	Wood (1975)#34
M18	Maximum cusp height	Wood (1975)#35
M19	Condylar height	Wood (1975)#36
M20	Bicondylar breadth	Wood (1975)#37
M21	Coronoid height	Wood (1975)#38
M22	Bicoronoid breadth	Wood (1975)#39
M23	Right condylar head width	Wood (1975)#40
M24	Right condylar head anterior-posterior breadth	Wood (1975)#41
M25	Ramal breadth	Wood (1975)#42
M26	Bigonial width	Wood (1975)#44
M27	Height of mandibular body at M_1	Wood (1975)#45
M28	Thickness of mandibular body of M_1	Wood (1975)#46
M29	Symphyseal height	Wood (1975)#47
M30	Symphyseal thickness	Wood (1975)#48
M31	Inner alveolar breadth at M_3	Wood (1975)#49
M32	Maximum mandibular length	Wood (1975)#50
M33	Inter lower canine distance	Wood (1975)#51
M34	Mandibular corpus height at M_3	Chamberlain (1987)#M3
M35	Height of foramen spinosum	Chamberlain (1987)#M4

M36	Height of mental foramen	Chamberlain (1987)#M5
M37	Breadth between lower second molars	Chamberlain (1987)#M9
M38	Lower incisor alveolar length	Chamberlain (1987)#M10
M39	Lower premolar alveolar length	Chamberlain (1987)#M11
M40	Lower molar alveolar length	Chamberlain (1987)#M12
F1	Right orbital breadth	Wood (1975)#52
F2	Right orbital height	Wood (1975)#53
F3	Interorbital breadth	Wood (1975)#54
F4	Biorbital breadth	Wood (1975)#55
F5	Nasion-Rhinion	Wood (1975)#56
F6	Nasion-nasospinale	Wood (1975)#57
F7	Maximum nasal width	Wood (1975)#58
F8	Nasospinale-Prosthion	Wood (1975)#59
F9	Bijugal breadth	Wood (1975)#60
F10	Bizygomatic breadth	Wood (1975)#62
F11	Upper facial breadth	Chamberlain (1987)#F1
F12	Lower facial breadth	Chamberlain (1987)#F3
F13	Breadth between infraorbital foramina	Chamberlain (1987)#F4
F14	Lower nasal bone breadth	Chamberlain (1987)#F8
F15	Facial height	Chamberlain (1987)#F10
F16	Height of infraorbital foramen	Chamberlain (1987)#F11
F17	Height of orbital margin	Chamberlain (1987)#F12
F18	Upper malar height	Chamberlain (1987)#F13
F19	Lower malar height	Chamberlain (1987)#F14
F20	Upper facial prognathism	Chamberlain (1987)#F15
F21	Lower facial prognathism	Chamberlain (1987)#F16
F22	Malar prognathism	Chamberlain (1987)#F17
F23	Naso-frontal subtense	Chamberlain (1987)#F18
F24	Maxillary subtense	Chamberlain (1987)#F19
C1	Glabella-Opisthocranion	Wood (1975)#69
C2	Minimum post-orbital breadth	Wood (1975)#70
C3	Basion-Bregma	Wood (1975)#71
C4	Maximum bi-parietal breadth	Wood (1975)#72
C5	Biporionic width	Wood (1975)#73
C6	Mastoid length	Wood (1975)#74
C7	Coronale-Coronale	Wood (1975)#75

C8	Opisthion-Inion	Wood (1975)#76
C9	Bimastoid width	Wood (1975)#77
C10	Posterior skull length	Wood (1975)#78
C11	Breadth across tympanic plates	Chamberlain (1987)#B1
C12	Breadth between carotid canals	Chamberlain (1987)#B2
C13	Breadth between petrous apices	Chamberlain (1987)#B3
C14	Breadth between foramen ovale	Chamberlain (1987)#B4
C15	Breadth between infratemporal crests	Chamberlain (1987)#B5
C16	Breadth of mandibular fossa	Chamberlain (1987)#B6
C17	Length of tympanic plate	Chamberlain (1987)#B7
C18	Length of petrous temporal	Chamberlain (1987)#B8
C19	Position of foramen ovale	Chamberlain (1987)#B9
C20	Position of infratemporal crest	Chamberlain (1987)#B10
C21	Length of foramen magnum	Chamberlain (1987)#B11
C22	Breadth of foramen magnum	Chamberlain (1987)#B12
C23	Length of infratemporal fossa	Chamberlain (1987)#B13
C24	Breadth of infratemporal fossa	Wood (1975)#67
C25	Opisthion-infratemporal subtense	Chamberlain (1987)#B15
C26	Basiooccipital length	Chamberlain (1987)#B16
C27	Parietal thickness at Lambda	Chamberlain (1987)#V1
C28	Frontal sagittal chord	Chamberlain (1987)#V6
C29	Parietal sagittal chord	Chamberlain (1987)#V7
C30	Parietal coronal chord	Chamberlain (1987)#V8
C31	Occipital sagittal chord	Chamberlain (1987)#V9
C32	Frontal sagittal arc	Chamberlain (1987)#V10
C33	Occipital sagittal arc	Chamberlain (1987)#V11
C34	Auricular height	Chamberlain (1987)#V12

Table 2. Variables used in Dataset B. V = variable.

V	Definition	Measurement description and calipers used	Source
P1	Maxillo-alveolar length	Chord distance between Prosthion, the most anterior point in the midline on the alveolar process (Aiello and Dean, 1990), and a point where a line joining the posterior borders of the maxillary tuberosities crosses the median plane. Vernier calipers (VC).	Wood (1991) #87
P2	Maxillo-alveolar breadth	Minimum chord distance between the outer surface of the alveolar process at the midpoint of the second upper molar. VC or spreading calipers (SC).	Wood (1991) #88
P3	Incisive canal-palatomaxillary suture	Chord distance between the posterior edge of the incisive canal and the palatomaxillary suture. VC.	Wood (1991) #92
P4	Upper incisor alveolar length	Chord distance between Prosthion and the midpoint of the interalveolar septum between I^2 and C^1. VC.	Wood (1991) #94
P5	Palatal height at M^1	Height in the midline between an imaginary line joining the alveolar process at the midpoint of M^1 and the roof of the palate. VC.	Wood (1991) #103
P6	Upper premolar alveolar length	Minimum chord distance between the midpoints of the interalveolar septa between C/P^3 and P^4/M^1. VC.	Wood (1991) #96
P7	Upper molar length	Minimum distance between the midpoint of the interalveolar septum between M^1/P^4 and the most posterior of the walls of the M^3 alveoli. VC.	Wood (1991) #97
P8	Canine interalveolar distance	Minimum distance between the upper canine alveoli. VC.	Wood (1991) #98
P9	Last premolar interalveolar distance	Minimum chord distance between the palatal walls of the P^4 alveoli. VC.	Wood (1991) #100
P10	Second molar interalveolar distance	Minimum chord distance between the palatal walls of the M^2 alveoli. VC.	Wood (1991) #101
P11	I^1 mesiodistal crown diameter	Maximum crown diameter parallel to the cervical line, and where relevant, allowing for interstitial wear. VC.	Wood (1991) #186
P12	I^1 labiolingual crown diameter	Maximum crown diameter perpendicular to the basal part of the labial enamel surface. VC.	Wood (1991) #187
P13	C^1 Mesiodistal crown diameter	Maximum diameter of the crown perpendicular to the labiolingual axis of the tooth and, where relevant, allowing for interstitial wear. VC.	Wood (1991) #190
P14	C^1 labiolingual crown diameter	Maximum crown diameter in the labiolingual axis of the tooth. VC.	Wood (1991) #191
P15	M^3 interalveolar distance	Minimum distance between the inner aspects of the alveolar processes at the level of M^3. VC.	Wood (1991) #93
P16	Palate depth at incisive fossa	Height in the midline between an imaginary line joining the alveolar process at the midpoint of C^1 and the roof of the palate. Co-ordinate calipers (CC).	Chamberlain (1987) #P5
M1	Symphyseal height	Minimum chord distance between the base of the symphysis and Infradentale, the apex of the septum between the lower central incisors. VC.	Wood (1991) #141
M2	Maximum symphyseal depth	Maximum depth of the mandibular symphysis. VC.	Wood (1991) #142
M3	Corpus height at M_1	Minimum distance between the most inferior point on the base and the lingual alveolar margin at the midpoint of M_1. VC.	Wood (1991) #150
M4	Corpus width at M_1	Maximum width at right angles to M3 taken at midpoint of M_1. VC.	Wood (1991) #151
M5	Corpus height at M_3	Minimum distance between the most inferior point on the base and the lingual alveolar margin at the midpoint of M_3. VC.	Wood (1991) #157
M6	Corpus width at M_3	Maximum width at right angles to M5 taken at midpoint of M_3. VC.	Wood (1991) #158

M7	Lower premolar alveolar length	Minimum chord distance between the midpoints of the interalveolar septa between C/P_3 and P_4/M_1. VC.	Wood (1991) #167
M8	Lower molar alveolar length	Minimum chord distance between the midpoint of the interalveolar septum between P_4/M_1 and the most posterior of the walls of the M_3 alveolus. VC.	Wood (1991) #168.
M9	P_4 mesiodistal crown diameter	Distance between parallel lines erected at right angles to the mesiodistal axis of the crown and arranged so as to be tangential to the most mesial and distal points on the crown; allowance is made for interstitial wear. VC.	Wood (1991) #271
M10	P_4 labiolingual crown diameter	Maximum distance between the buccal and lingual borders taken at the right angles to the longitudinal axis of the crown. VC.	Wood (1991) #272
M11	M_1 mesiodistal crown diameter	Maximum distance between the mesial and distal crown borders, taken parallel with the longitudinal axis of the crown and, where relevant, making allowance for interstitial wear. VC.	Wood (1991) #285
M12	M_1 labiolingual crown diameter	Maximum distance across the protoconid between the buccal and lingual crown borders taken at right angles to the longitudinal axis of the crown. VC.	Wood (1991) #286
M13	M_2 mesiodistal crown diameter	Maximum distance between the mesial and distal crown borders, taken parallel with the longitudinal axis of the crown and, where relevant, making allowance for interstitial wear. VC.	Wood (1991) #313
M14	M_2 labiolingual crown diameter	Maximum distance across the protoconid between the buccal and lingual crown borders taken at right angles to the longitudinal axis of the crown. VC.	Wood (1991) #314
F1	Superior facial height	Chord distance between Nasion, the intersection of the nasofrontal suture with the midsagittal plane (Bass, 1987), and Prosthion, the most anterior point in the midline on the alveolar process (Aiello and Dean, 1990). VC.	Wood (1991) #43
F2	Alveolar height	Chord distance between Nasospinale, the point where a line drawn between the lower margins of the left and right nasal apertures is intersected by the midsagittal plane (Bass, 1987), and Prosthion. VC.	Wood (1991) #45
F3	Superior facial breadth	Chord distance between Frontomalare Temporale, which are located on the posterior edge of the orbital portion of the malar-frontal suture (Bass, 1987). VC.	Wood (1991) #49
F4	Bizygomatic breadth	Maximum breadth across the zygomatic arches. VC or SC.	Wood (1991) #52
F5	Bimaxillary breadth	Chord distance between Zygomaxillare, which are the lowermost points of the zygomatico-maxillary sutures (Bass, 1987). VC or SC.	Wood (1991) #53
F6	Anterior interorbital breadth	Chord distance between Maxillofrontale, which are located at the point of intersection of the anterior lacrimal crests with the frontomaxillary suture (Bass, 1987). VC or SC.	Wood (1991) #55
F7	Orbital height	Maximum distance between the superior and inferior orbital margins in a direction perpendicular to orbital breadth. VC.	Wood (1991) #57
F8	Minimum malar height	Minimum chord distance between the inferior orbital margin and the inferior border of the zygomatic process of the maxilla. VC.	Wood (1991) #59
F9	Maximum nasal aperture width	Maximum width of nasal aperture at whatever height it occurs at the anterior nasal aperture. VC.	Wood (1991) #68
F10	Nasal height	Chord distance between Nasion and Nasospinale. VC.	Wood (1991) #69
F11	Sagittal length of nasal bones	Chord distance from Nasion to Rhinion, the tip of the nasal bones (Martin, 1928). VC.	Wood (1991) #71
F12	Superior breadth of nasal bones	Maximum chord distance across the nasal bones at their upper end. VC.	Wood (1991) #73
F13	Inferior breadth of nasal bones	Maximum chord distance across the paired nasal bones at their lower end. VC.	Wood (1991) #74
F14	Zygomaxillare - Porion	Chord distance between Zygomaxillare and Porion, the uppermost lateral point in the margin of the external auditory meatus (Aiello and Dean, 1990). VC or SC.	Wood (1991) #127

F15	Upper facial prognathism	Chord distance between Porion and Glabella, the most forward projecting point in the midline of the forehead at the level of the supraorbital ridges and above the nasofrontal suture (Bass, 1987). VC or SC.	Chamberlain (1987) #F15
F16	Lower facial prognathism	Chord distance between Porion and Alveolare, the most inferior point on the alveolar septum between the upper central incisors (Chamberlain, 1987). VC.	Chamberlain (1987) #F16
C1	Glabella - opisthocranion	Chord distance between Glabella and Opisthocranion, the most posterior point on the skull not on the external occipital protuberance (Bass, 1987). SC.	Wood (1991) #1
C2	Bregma - basion	Chord distance between Bregma, the intersection of the coronal and sagittal sutures in the midline (Bass, 1987), and Basion, the mid-point of the anterior margin of the foramen magnum most distant from the bregma (Bass, 1987). SC.	Wood (1991) #4
C3	Minimum frontal breadth	The site of minimum frontal breadth is found by moving the calipers posteriorly from the orbital margins towards the coronal suture; at the narrowest point, the calipers are then moved up and down to find the maximum width at that point (Wood, 1975). SC.	Wood (1991) #8
C4	Biporionic breadth	Chord distance between Porion. SC.	Wood (1991) #11
C5	Glabella-Bregma	Chord distance between Glabella and Bregma. SC.	Wood (1991) #17
C6	Postglabellar sulcus-bregma	Chord distance between the deepest point of the postglabellar sulcus and Bregma. VC.	Wood (1991) #19
C7	Parietal sagittal chord	Chord distance between Bregma and Lambda, the intersection of the sagittal and lambdoidal sutures in the midline (Bass, 1987). VC.	Wood (1991) #25
C8	Parietal lambdoid chord	Chord distance along the lambdoid border of the intact parietal between Lambda and Asterion, the sutural point at which the parietal, occipital and temporal bones meet (Aiello and Dean, 1990). VC.	Wood (1991) #31
C9	Lambda - inion	Chord distance between lambda and Inion, the base of the external occipital protuberance, the intersection of the mid-sagittal plane with a line drawn tangent to the uppermost convexity of the right and left superior nuchal lines (Bass, 1987). VC.	Wood (1991) #35.
C10	Occipital sagittal length	Chord distance between Lambda and Opisthion, the mid-point of the posterior margin of the foramen magnum (Bass, 1987). VC.	Wood (1991) #39
C11	Foramen magnum maximum width	Maximum distance in the coronal plane between the inner margins of the foramen magnum. VC.	Wood (1991) #77
C12	Occipital condyle maximum length	Maximum chord length in the longitudinal axis of the condyle. VC.	Wood (1991) #78
C13	Lambda thickness of parietal	Thickness of the parietal bone adjacent to lambda, avoiding obvious arachnoid depressions and ectocranial crests. SC.	Wood (1991) #107
C14	Breadth between carotid canals	Chord distance between carotid canals. VC.	Chamberlain (1987) #B2
C15	Breadth between petrous apices	Chord distance between the most anterior points on the inferior surface of the petrous temporal bone. VC.	Chamberlain (1987) #B3
C16	Length of tympanic plate	Chord distance between the most lateral point on the inferior surface of the tympanic plate and the carotid canal. VC.	Chamberlain (1987) #B7

Table 3. Comparison of measurements taken on *Erythrocebus patas* specimen PNHM 1994-615 on two separate occasions. V = variable. 1 = value 03/04/96 (mm). 2 = value 05/04/96 (mm). D = difference between values. Figures in bold = uncertain. ND = no data.

V	1	2	D	V	1	2	D	V	1	2	D
P1	51	52	1	M6	8	8	0	F13	10	10	0
P2	34	34	0	M7	15	15	0	F14	48	48	0
P3	20	21	1	M8	22	23	1	F15	76	76	0
P4	12	12	0	M9	6.3	6.3	0.0	F16	96	96	0
P5	10	10	0	M10	ND	ND	ND	C1	95	95	0
P6	10	10	0	M11	6.7	6.6	0.1	C2	53	53	0
P7	21	21	0	M12	ND	ND	ND	C3	49	48	1
P8	15	14	1	M13	7.8	7.8	0.0	C4	64	64	0
P9	18	18	0	M14	ND	ND	ND	C5	57	57	0
P10	19	19	0	F1	56	55	1	C6	48	48	0
P11	5.7	5.5	0.2	F2	8	8	0	C7	37	37	0
P12	4.7	4.6	0.1	F3	67	67	0	C8	33	33	0
P13	10.6	10.6	0.0	F4	80	80	0	C9	13	13	0
P14	6.9	6.7	0.2	F5	49	50	1	C10	33	33	0
P15	18	18	0	F6	7	7	0	C11	15	15	0
P16	11	12	1	F7	23	23	0	C12	11	12	1
M1	28	28	0	F8	17	17	0	C13	2	2	0
M2	11	11	0	F9	14	14	0	C14	23	23	0
M3	17	17	0	F10	48	48	0	C15	11	11	0
M4	6	6	0	F11	24	24	0	C16	19	19	0
M5	16	16	0	F12	2	3	1				

Table 4. Comparison of measurements taken on *Theropithecus gelada* specimen PNHM 1969-451 on two separate occasions. V = variable. 1 = value 29/03/96 (mm). 2 = value 05/04/96 (mm). D = difference between values. Figures in bold = uncertain. ND = no data.

V	1	2	D	V	1	2	D	V	1	2	D
P1	62	62	0	M6	13	12	1	F13	11	11	0
P2	41	41	0	M7	15	15	0	F14	54	54	0
P3	25	25	0	M8	32	33	1	F15	73	73	0
P4	13	13	0	M9	6.5	6.5	0.0	F16	111	111	0
P5	8	8	0	M10	6.6	6.6	0.0	C1	89	89	0
P6	11	10	1	M11	8.3	8.3	0.0	C2	64	64	0
P7	30	30	0	M12	8.4	8.4	0.0	C3	42	42	0
P8	16	16	0	M13	11.0	10.6	0.4	C4	68	68	0
P9	17	17	0	M14	9.2	9.4	0.2	C5	59	59	0
P10	19	19	0	F1	71	71	0	C6	49	49	0
P11	6.2	6.2	0.0	F2	17	17	0	C7	37	37	0
P12	6.0	6.0	0.0	F3	57	58	1	C8	33	33	0
P13	7.1	7.2	0.1	F4	94	94	0	C9	13	12	1
P14	5.8	5.8	0.0	F5	71	70	1	C10	39	39	0
P15	18	18	0	F6	7	7	0	C11	18	18	0
P16	10	10	0	F7	20	20	0	C12	14	14	0
M1	37	37	0	F8	26	26	0	C13	2	2	0
M2	13	13	0	F9	15	15	0	C14	25	25	0
M3	30	30	0	F10	55	55	0	C15	11	11	0
M4	10	10	0	F11	32	32	0	C16	22	22	0
M5	26	26	0	F12	1	2	1				

Table 5. Variables from Chamberlain et al. (in preparation) used in Dataset B. V = variable.

V	Description	V	Description	V	Description
P1	Maxillo-alveolar length	M6	Corpus width at M_3	F11	Sagittal length of nasal bones
P2	Maxillo-alveolar breadth	M7	Lower premolar alveolar length	F12	Superior breadth of nasal bones
P3	Incisive canal-palatomaxillary suture	M8	Lower molar alveolar length	F13	Inferior breadth of nasal bones.
P5	Palatal height at M^1	M9	P_4 mesiodistal crown diameter	F14	Zygomaxillare - Porion
P6	Upper premolar alveolar length	M10	P_4 labiolingual crown diameter	C1	Glabella - opisthocranion
P7	Upper molar length	M11	M_1 mesiodistal crown diameter	C2	Bregma - basion
P8	Canine interalveolar distance	M12	M_1 labiolingual crown diameter	C3	Minimum frontal breadth
P9	Last premolar interalveolar distance	M13	M_2 mesiodistal crown diameter	C4	Biporionic breadth
P10	Second molar interalveolar distance	M14	M_2 labiolingual crown diameter	C5	Glabella-Bregma
P11	I^1 mesiodistal crown diameter	F1	Superior facial height	C6	Postglabellar sulcus-bregma
P12	I^1 labiolingual crown diameter	F2	Alveolar height	C7	Parietal sagittal chord
P13	C^1 Mesiodistal crown diameter	F3	Superior facial breadth	C8	Parietal lambdoid chord
P14	C^1 labiolingual crown diameter	F4	Bizygomatic breadth	C9	Lambda - inion
P15	M^3 interalveolar distance	F5	Bimaxillary breadth	C10	Occipital sagittal length
M1	Symphyseal height	F6	Anterior interorbital breadth	C11	Foramen magnum maximum width
M2	Maximum symphyseal depth	F7	Orbital height	C12	Occipital condyle maximum length
M3	Corpus height at M_1	F8	Minimum malar height	C13	Lambda thickness of parietal
M4	Corpus width at M_1	F9	Maximum nasal aperture width	C13	Lambda thickness of parietal
M5	Corpus height at M_3	F10	Nasal height		

Table 6. Characters from Dataset B for which significant differences were found between the values for *Cercocebus*, *Colobus* and *Pan* from this study and the data imported from Chamberlain et al. (in preparation). TP = T-test probability.

Cercocebus characters	TP	*Colobus* characters	TP	*Pan* characters	TP
C8	0.004	C2	0.042	F6	0.019
C10	0.007	C4	0.008	F9	0.004
C12	0.037	C7	0.042	F10	0.009
F13	0.006	C9	0.002	P1	0.026
P5	0.010	P6	0.003	P6	0.000
P8	0.010	P10	0.002	P12	0.032
P9	0.017			M5	0.005
P10	0.000			M7	0.003
P11	0.006				
P12	0.022				
M14	0.020				

Table 7. Body masses used for size-adjustment in some Dataset A analyses.

Taxon	Body mass (kg)	Note
C. guereza	09.09	Body mass calculated by averaging the male and female figures given by Smith (1996).
G. gorilla	121.97	Body mass calculated by averaging the male and female figures given by Smith (1996).
H. sapiens	44.00	Body mass calculated by averaging the male and female figures given by Harvey et al (1987).
P. troglodytes	46.35	Body mass calculated by averaging the male and female figures given by Smith (1996).
P. h. anubis/cynocephalus	17.25	Body mass calculated by averaging the male and female figures given by Harvey et al. (1987) and Smith (1996) for *P. h. anubis* and *P. h. cynocephalus*.
P. pygmaeus	59.72	Body mass calculated by averaging the male and female figures given by Smith (1996).

Table 8. Matrix A.

Colobus 0000012000000010100001020?00000108F8D205A41523J1441D2720F6J393139K9
ADD0A4F3
Gorilla 0000011000000000000000010000000000009D9A205A21513G133294722D5G392138H6
99B176E5
Homo 00000000000000000000000000000000005F6B104B31315E1433D2522F7G264026RB
HJD2E5G9
Pan 0000001000000000000000010000000000007E7B205A31514H2332B3723E6G493037J8
ADD1A4G5
Pongo 0000011000000000000001010000000000AFAB216E31614J234083723E6J493148F7
BBF185G6

Table 9. Matrix B.

Gorilla 0000011000000000000000010000000000009D9A205A21513G133294722D5G392138H6
99B176E5
Homo 00000000000000000000000000000000005F6B104B31315E1433D2522F7G264026RB
HJD2E5G9
Pan 0000001000000000000000010000000000007E7B205A31514H2332B3723E6G493037J8
ADD1A4G5
Papio 0100013000011111110000102010001111207G9E206B41723N2430BAG21F8K3E314DK
9BDE1A5F4
Pongo 0000011000000000000001010000000000AFAB216E31614J234083723E6J493148F7
BBF185G6

Table 10. Matrix C.

Colobus 0000012000000010100001020?00000108F8D205A41523J1441D2720F6J393139K9
ADD0A4F3
Gorilla 0000011000000000000000010000000000009D9A205A21513G133294722D5G392138H6
99B176E5
Homo 00000000000000000000000000000000005F6B104B31315E1433D2522F7G264026RB
HJD2E5G9
Pan 0000001000000000000000010000000000007E7B205A31514H2332B3723E6G493037J8
ADD1A4G5
Papio 0100013000011111110000102010001111207G9E206B41723N2430BAG21F8K3E314DK
9BDE1A5F4
Pongo 0000011000000000000001010000000000AFAB216E31614J234083723E6J493148F7
BBF185G6

Table 11. Matrix D.

Colobus 1110244143404344422104241?04042434424232241411324244221400220233334333
2312100
Gorilla 2223323434343432311232434343204343240414313243401011314334104141443100
0121413
Homo 0002002000010000000010000010421000202040000000040132440041443004000444
4044224
Pan 3444410211132111134443322121110221013123122132233423133223332422112221
3203342
Pongo 4331131322221223243321113232331121313014343241123000021120113102210121
1430031

Table 12. Matrix E.

Colobus EEEEEB6EEDCEDE8E88968C6EEEECE7E?EAEDECE686666DD676E77A6E66C6D6EE
6688886E8C6E6
Gorilla AA98768667676768 6ECAE7AAAA977867679666688 9E9E78BED6A7EEADE9C699AD
ECEEEEBE7EB9
Homo CCCACEEBCBC787C8E6EE6CECCCCECECDAE68AB9C8E8E8DDE7ACEE6BC8868DE
6C8866668667 86D
Pan 8766ABBBACCCDCDCCA69ACA777698BABCCCDCDCEDCBCAAABCD9CBA86AB9A
8996ABAAAABAACABD
Pongo 679C78B8878AAA98AC9BC7A777989A89879A889AD9B9C768A897BAB8DBEEACC8
DBECCCB9CCC89

Table 13. Matrix F.

Colobus 1111135112312141443544511112151?131113153555522555154451553525115544445
2425 15
Gorilla 3344554555555455512315233345545455445554531325422253511222425345212111
1324134
Homo 2223213221131513151151122221212131553221414141111321153344541252445555
4555451
Pan 4555421333223222235432445554433222222132223233343142334533234434333333
2133343
Pongo 5432342444444334324223254433324344334443142414534443222411113123121222
3411222

Table 14. Matrix G.

Colobus 0100124112122222200102140?1112222308A8941796374 6A466494842A7A585268B8
999296A5
Gorilla 1211234222122332211113232222222323188885268536459455486745869585357967
8837686
Homo 1211212212122322200101121121222222179794169536379466594 75497A576257B9A
A959698
Pan 2211223212122222211212231211222222079784268536369555485745979685257978
8838696
Pongo 2211233212122222211212232222222220898843685363694552757458795753579 78
8837696

Table 15. Matrix H.

Papio 5151125132414253552212141214121435124342232525415141135511343253445332
3233411
Gorilla 2334554555554445423345555555445554541425423253521223424345211331553211
1122323
Homo 1213213211131512111121212131553211415151111311153355551252555115111555
5555555
Pan 3545431323222121235554433322121223332333541423445343434344345442344444
4314244
Pongo 4422342444343333344433324443334343252514545434232412212123122422322123
2441132

Table 16. Matrix I.

Colobus 1010244143404344421104241?040424344242322414113242442213002302333343332312100313311444421144421210011434440204211421033121321030 3

Gorilla 2223423434343432312232434343204343240414313244401011314433104141443100012141310402233234022313244444424313201103224222100010011303

Homo 0102002000010000000010000010421000202040000100040132440041443004000444404422403110000020400020330110010030144340000044021444444443

Pan 3444310211132111134444332212111022101312312203223342313322432242211222132033422404331110133113141333223222131223241343143422332212

Pongo 4331131322221223243321113232333112131301434323112300002112011310221012143003142224422313233204002223301102433014331310243301230213

Table 17. Matrix J.

Colobus EEEEEB6EEDCEDE8E88968C66ADECDA6EEEECE7E?EAEDECE686666DD676E77A6E7BECD7666C6D6EE6666ABCDECD6666688886E8C6E69E67DC997E96679E889E8E8

Gorilla AA9876866767676 86ECAE7AEE989A78AAA977867679666689E9E78BED6A7EEAA87EAA8DE9C699ADECBB678666CCAB8CEEEEBE7EBCDBDE78969AAA9DBBDDEADAE

Homo CCCACEEBCBC787C8E6EE6CEB6ACEDEECCCCECECDAE68AB9C8E8E8DDE7ACEE6BCE7B6DEE8868DE6C88AE88EDCED9EE8E6666866786E6687DEEEE66EDCE66666666

Pan 8766ABBBACCCDCDCCA69ACA9AC887CC777698BABCCCDCDCEDCBCAAABCD9CBA86CEB87CCAB9A8996AB8B7B8899999ABBAAAABAACAB9CBABA8A98AD9D88BAAAAAAB

Pongo 679C78B8878AAA98AC9BC7AAA68777A777989A89879A889AD9B9C768A897BAB87A7A77ADBEEACC8DBE8EE98999E9AEBECCCB9CCC89A8DB788CCACB9A88DDBADAB

Table 18. Matrix K.

Colobus 1111135112312141443544511112151?131113153555522555154451553525115544445242515522121355312145552321122555555415412335135541443141 4

Gorilla 3344554555555545551231523334554545544555453132542225351122242534521211113241341152335434513342335454352232421221534543432122114241

Homo 2223213221131513151151122221212131553221414141111321153344541252445555455545125341211152522132441221141141155452111155132555555555

Pan 4555421333223222235432445554433222222132223233343142334533234434333333213333433415442221344124152545433343342333352434241533342333

Pongo 5432342444444334324223254433324344334444314241453443422241111312312122234112223343554342435531411333541321233412445222124341223122

Table 19. Body masses used for size-adjustment in some Dataset B analyses.

Taxon	Body mass (kg)	Note
C. galeritus/torquatus	9.56	Body mass calculated by averaging the male figure given by Fleagle (1988) and an estimate of female body mass. The latter was derived from the male figure using Napier's (1981) observation that female *Cercocebus* are 80% the size of males.
L. albigena/atterimus	7.69	Body mass calculated by averaging the male and female figures given by Fleagle (1988).
M. fascicularis/mulatta	4.14	Body mass calculated by averaging the male and female figures given by Smith (1996).
M. leucophaeus/sphinx	18.70	To account for the high male to female ratio in the sample, body mass was calculated in the following way. Body masses for male M. *leucophaeus*, male *M. sphinx* and female *M. sphinx* were taken from Fleagle (1988). Body mass for female *M. leucophaeus* was taken from Harvey et al. (1987). The body masses were multiplied by number of specimens of each taxon in sample (seven male *M. sphinx*, two female *M. sphinx*, 35 male *M. leucophaeus*, 18 female *M. leucophaeus*). The resulting values were summed, and that figure was divided by the total number of specimens.
P. troglodytes	46.35	Body mass calculated by averaging the male and female figures given by Smith (1996).
P. h. anubis/cynocephalus	17.74	To account for the inclusion in the *Papio* sample of specimens from a small morph, *P. h. cynocephalus kindae*, body masses were calculated in the following way. Body masses for male *P. h. anubis*, female *P. anubis*, male *P. h. c. cynocephalus* males, and female *P. h. c. cynocephalus* female taken from Fleagle (1988). Body mass for male *P. h. c. kindae* taken from Derchow (1983). Body mass for female *P. h. c. kindae* was unavailable, so body mass for female *P. h. c. cynocephalus* from Fleagle (1988) used. The body masses were multiplied by the number of specimens of each taxon in the sample (seven male *P. h. anubis*, ten *P. h. anubis* females, eight male *P. h. c. cynocephalus*, seven female *P. h. c. cynocephalus*, five male *P. h. c. kindae*, two female *P. h. c. kindae*). The resulting values were summed, and that figure was divided by the total number of specimens.
T. gelada	15.35	Body mass calculated by averaging the male and female figures given by Fleagle (1988).

Table 20. Matrix 1.

Cercocebus	3223211101000100202320100210023421000010000000001010100100000
Lophocebus	4223221101000100202320000210023421100000000000001010100100000
Macaca	4223212101000100303420110210023522100010000000001010100100000
Mandrillus	3223211101000001302420010320022531100010010000001010100100000
Pan	3212111101000100202320000100022311000000000000001000000000000
Papio	3222211101000100302320010320023521100010000000001010000100000
Theropithecus	4213211101000100302420010210023521100010000000001010100100000

Table 21. Matrix 2.

Cercocebus	744543321310020150575021142004694311001111000010212010120000000
Lophocebus	854543331210020140575011142004684321001111000010202020120000000
Macaca	854653420211021160685022153005 7A5421002111000010312021120000000
Mandrillus	744543221311010270585012164005 5B6321012111000010312011120000000
Pan	743532320210020141564011121004573311001111000010201010010000000
Papio	744543320211020170575012163004 6A5321002111000010212010120000000
Theropithecus	743543320211010161585012152004 6A5320002111000010312020120000000

Table 22. Matrix 3.

Cercocebus	FA8B976526210413A1BFA043295019CH9732114333111031524142240010 11
Lophocebus	GA8B977625210423 90BEA033284018CH9742113333111030514141240010 11
Macaca	GA8B967515210413A1BFA043295018CH9732114233101031513132240010 11
Mandrillus	D87A765415210313C1AE90332B7019AKA6521143330010216241312410101 1
Pan	GA8D867626210423A3CFA142263019CH8742113444101130513132130011 11
Papio	E97A866515210313D1AE90332B7018BJA6421143331010315231312400101 1
Theropithecus	F96B976415210313C29FA124295018CKA6411152230010216241412510101 1

Table 23. Matrix 4.

Cercocebus	3334551456454441344441333320532544241633323515241245255245553 5
Lophocebus	5565664664661653105364451213253023454125555621503453502122211 1
Macaca	4452445331325334030530644532646636016242232430462511433533635 4
Mandrillus	0010000010010002612003010165020250622511111154026622026361102 0
Pan	6646216525506566266656506006165405563406666366655106360016460 2
Papio	1121122142132120423112222654401311135354444202310330114400324 3
Theropithecus	2203333203243215551225165441314162300060000043134064641654046 6

Table 24. Matrix 5.

Cercocebus	5556562667535432656652523532465666452643433533332154145354442 3
Lophocebus	6677777776751764217563662424356554664126556442617662714211221 2
Macaca	7764656423422526731771755751577777125264342111465221522632313 1
Mandrillus	1111111141146143322114131376121221733732224666156736257475535 3
Pan	4445225535617675175447417117243315576517777777773517371147774 5
Papio	2332333252263251544225344665712142247455665324521443436523656 6
Theropithecus	3223444314374317463336276243634433113711112542443756637661677

Table 25. Matrix 6.

Cercocebus	888897B6859E989BBB888D7DDCBC9899A7F9D7BBA9A8DBCBCD98888CA9DADA
Lophocebus	555554546548F46CEG565D78DCECF5666794EFE6686BEG5EBD6E5FDDGFGFGG
Macaca	55555859EBAEF8DC5B545G48D69GB54464EE9F7CA9EEDD897DDFC8D6EFDFBE
Mandrillus	GGEGGEGF9DF89GD8ABEEE9DDD657BDFDCE4A84ABEFAA66G865A8C84A488C79
Pan	DBBBDE99897E484BG4AEE4AG4GG4CDEGGDA88AG44445656AFDG4G7GGB464C8
Papio	DEBEDECE9EF79D9C6BEEE8D876576EDDDD99498AAAA6B9A9E7CDCF899A9877
Theropithecus	ABGB99CDGDA59DG486EAA7G47CAC6C997C9GEA4GGFGG7AD95648598469 5646

Table 26. Matrix 7.

Cercocebus	AAAAB9C8869F888BBAAA9C9DCCBA8ABBC9D8D7CAA986CACCDC9687AD97B8C9
Lophocebus	77776575674AE44CFG786C98CDEAF7887984EEF55849DF6FCC6C5EFEFDFDFE
Macaca	67766A7AEC9FE8CC5A756G58C69FA65576DD9E7BA9CCCC9A8CDDC7F6DDBDAC
Mandrillus	GGEGGFGF9DFA8GC8AAEFF8DDC655AEGFEF4984BAEF8855G875A6C74A467A78
Cercopithecus	544565458596A8ABFA457A5GCFGFF65574GC7CD954FGBD45AGGGGE8EEGFGFG
Papio	EECEEFCE9EF88D8C6ACFF7D856556FEFFE885989AA85A7AAE7CBCE99987676
Theropithecus	CCGCCBCDGD968DG484ECC5G45CAA6DBB8D8GEA4GGFFE78DA66465794674445

Table 27. Matrix 8.

Cercocebus	AAAAA8C786AF888BBBA99D9DDCBC99BAA8D8C7BBA986DACBDC96879CA7C8D9
Lophocebus	666664656649F45CEG675D98CCEBF6776884DFF55849EG5FCD6D5EEEGEGEGF
Macaca	6666696AECAFF8DC5B645G48D69GB65464ED9F7CA9DCDD997CDEC7E6EECEAD
Mandrillus	GGEGGFGF9DF98GD7ABEFF9DDD656BEGFDF4984ABED9856G865A6D74A467B78
Composite OG	66668966766988 7CG668A46G7GG7B769E8FCBAF554CF8859DFGDEECFBDCDDE
Papio	EECEEFCEAEF88D8C6BEFF8D866566FEFEE88498AAA85A8A9E7CCDE89997676
Theropithecus	CCGCAACDGDA58DG484ECB7G46CAC7DBA7D8GDA4GGFGF79D9564657946 74445

Table 28. Matrix 9.

Cercocebus	888897B6859E98ABBB888C7EDCBC989997F9C7CBA9A8DACBBD88888DA9DBDA
Lophocebus	555554547548F46CEG565C78DCECE5666794DFE6686BEG5EAD6E5FDDGFGFGG
Macaca	55555859EBBEF8DB5B545G48D69GB54464ED9F8CA9EEDD897DCFB8D6EFDFBE
Mandrillus	FFCFFEGE7CD89GCAABEEEBEED657CCFDDD4BA48BEFA979G895C8D849578B78
Pan	DBCBEE998A7E484BG4AEE4AG4GG4CDEGGDA88AG44445646AFDG4G7GGB464C8
Papio	EFCFDECEAEF79D9B6BEEE8E876576FDDDD99498AAAA7A9A9E7CDCF899A9877
Theropithecus	ABGB99CEGDB59DG486EAA7G47CAC6C997D9GEA4FGFGG79D94648598 45A5647

Table 29. Matrix HH.

Colobus males	01111371111111111212111111121211100003151?110111121211111211113111121104111311111101111111111116411111101111111011111011201111111111
Colobus females	10000240000000001000000000010001111000?001000010000000000000000010011000200000010004000000005200000210000000010000010001000000000
Gorilla males	79999999999999899989699967988997889999999989999999999999992948999358999999999996999999999999798775976997967879988979999947567777
Gorilla females	68876668888888988898588838364885678777888889888888788865788578587768247888688887889758878887883866577348857346588998678883264266655
Homo males	33223124343534233539236966333333332322243554344635363232533293338593337387236265557723323834919889399458388993334298335289998999
Homo females	22332032222222320622832583402222222021432243322051423231522217222738224627632534384663223262280799828862929978222238621649888988
Pan males	57787785555345455456355251757554967668545534555545655658346564685346702545566757673836665656646542654776354353465744476283563253344
Pan females	44565403434453544274244345546446445454353422433343424444354735640278553644552632424555544445233533405532422455467235446542544520
Pongo males	96658857677777777747777798997795968867777777777787778778778587595749974703773857383278777377074244862374876427775655657562745346
Pongo females	85444516766666666365466424275668754543666666666626264576664646496465666251244442426204446525315236265324665536646353247377337322 4

Table 30. Matrix II.

Colobus males	3333456434344444486975876344463333436?343444453898964897576 7A5 64463567759686 49A88747567589747A8999497A78656755556557775077686 7
Colobus females	3332344333333444475753776334446323233 43?33343434378785367646468 46446456664857538888647567589856977884868586577555565576750877686 7
Gorilla males	4444556444444554576865876344556434354545444445453888657865766966 4554566668786699876586776887469788857797865676655655677527666777
Gorilla females	4444455544455555576865876344556434444545444555553898864786575696 5445456666878669977657667688746978885797865675655655667527767777
Homo males	4434444444354545486874876343445333344444444444443798964796575795 5446346776967669987747567588755A999969798876675555665667538877888
Homo females	4433444444354544486875876343445333343444444444443798964796575796 5446346776967669987747567588745A9AA969798876675554665667538877888
Pan males	4444456444344444477865876344546444454544444444443898864786575796 5346446666878669987747667688736988995879786567565566566751777677 7
Pan females	4444445444344444487864876344546444444544444444443898964786575796 5346456776868669987747667588736989995879786567565566567527777777
Pongo males	4443455444444454447686587644555644444545444444444438988657975757966 4646566648686699786376776787269788958797865676655655677527777777
Pongo females	4443455444444454447786587644555644444545444444444438988657965757966 4646566748676699786376675887369888958797865675655665667527777777

Table 31. Matrix JJ.

Colobus males	666579C76867888888ECGC9FDB67788B656587B6?677878796FHFGA7EGD9EA CJAB87A69BDCAGBFA8HJFEC7DABD9FGE8CJFGGH8GDHCEB9CDAAA9B9A CCDA1EDCBECD
Colobus females	55556786565677777CADA6DDB57788B5454757 5?566767685DFDE96CDB7B8 AF8B77B79BBB8E9C86FFFEC7DAAD9FGE9CGDEEE7EBFAFC9CD9AA9BAAC ADA0EDDBECD
Gorilla male	787799B8787888888DBFB9ECA68889B767798A88878889896FFFFB8DFB9DA BGAA89A79BBBBFCEBBGGEEC9EBCDBEFD7CGDEEF9EEGDEBABCAB99BA ACCDA3DCCCDDC
Gorilla females	7877899978787899 88DCFB9ECA68889B767787988888999896FGFFB8DFB9DA CGBA88A79BCCAFCEBBGGEEC9DBCDAEFD7BGEFFF9EDGDEB9BCAAA9BA ACCDA3DCCCDDC
Homo males	7767778878689988 7FBED8ECB67688A66667787777888888 6EHEGA7CGC9C9 DHAA88B78ADCCGBECAHHEDC8CABC9EED89JGHHGCGDHFECACD9999AB ABBD95EEDEFEE
Homo females	7767778878689988 7FBED9ECB67688A66667787777888888 6DHEGA7CGC9C9 EHA988B78ADCCGBECBHHEEC8DABC9EED89KGHHGBHDHFECACDA998AB ABBD96EEEEFEE
Pan males	787789A8787888888ECFC8ECB68898A777798A87778888886EGEFB8DFB9DA CHBA68B88BCCBFCEBCGHEEC7EBCDAEFD7AHEFGG9FDGDEBABDAB99BA 9CCDA3DDCCDCD
Pan females	8877889878788888 8ECFC8ECB68898A777787978778888886EGEGB8DFB9D9 CHBA68B89BCCAFCEBCGHEEC8DBCDAEFD6AHFGGG9FDGDEB9BDAB99BA 9CBDA3DDDCDDD
Pongo males	887689A8787888888ECFB9ECB88999A777798A88878888886FGFFB9DGC9DA CHBB88B89BBC8ECEBCGHEEB6DBCDBEFD4BGDFFG9EDGDEBABCABA9BA 9CCDA4CCCCDCC
Pongo females	8877899878788888 8ECFC9ECB78899A777787988888888886FGFFB9DGC9DA CGBB78B89BCC8FCEABGHEEB6DBBDAEFD5AGEFFG9FCGDEBABDAAA9BA ACCDA5DCDCDDD

Table 32. Matrix KK.

Colobus males	HHHHD51HHHDHFH9H55715A13AFJEGC3HHGH8F1H?H9HHHDH151111EF13 1G23A1F47DDG6312B1F1GH11347BDGFEG33342555 51H5C1H3CH45FE857K C23B6H7AAJ7JA
Colobus females	KKKKKJGKKKKKKKKKKKKKKKKK18HJEG92KKKKKKKK?KKKKKKKJKKKKK KKKKKKKKKKKK4DKCG52KKHJKKKKKK11CDDGKEF11135KGKKKKJKKK16H 11GE8B3D72K2DK555J5J5
Gorilla males	A9761133354957362HD7H8AJHA57B55AAA8133245495432556H6H338GE282 HGEA43HB77GH7E27A9EHDC9333234B99A5DKHHG9J2H9CFADH3786AB973 F9CGKJBGBH
Gorilla females	A8668AB1311311162F88F35JC76AC45AAA7B8C24134111234 7F7C57DGE2A4 FG78C4GD75CCCB2779DFEED379545EFE95DDDDGFDAFEFHHGJ78877D7E 9 EDCGFJBEAJ
Homo males	EDEBEGHCCCD376B4G2GG2CGB5ACJFJJEEEEFEGDGBE358B8A5F4F5CFG37 CGG2AEJ5D2FJJ5615FF2F44CJ65JFFJH9KJ4J333351365 2J2265FJJJK25JFEJ2 2222223
Homo females	EFEBHHJCECD377B7E2GG2AGB5BDJFJJEEFEHGGDGBG35AC8A6H4F3GFG3 6DGG26DJ5D2FJJ3233FF2D449D69JFFJF9HJ6J1111331232H2255FJJJH25JF9 J22222221
Pan males	6452556CBCDEEECECB68AA9ABB554DE45434367DCDEDEDEGECBECBA8C EABAB74DJD74EE9C7977738A6C5D58788899DC99C9C99D9C7CABD9486A9 F88A6DAAACACB
Pan female	6532CDBCBCDDFECDC7279B789C954DE4543C8ADAEDEDEFEHEB8B9BA8C E8BB842EJD64EE787777A39A7E6A77799999EC7898898B8A7DACDA5864BE 9E66AAAA9A9A
Pongo males	267E3566755A97B68C78B79AB15544A44484367955 9C678AE6C6D43384829 AA8553D449GC1J88C3FAH7JH63443K99KBHFDEC9ECDABD9KE258CBBE96 D67JCFAJBF
Pongo females	248C8AB6356988B8AA6AAA8AB7A545A42479BB78548A7689E696953887A5 A6B45D6B479CA2EAEF9DAJ5JHA9B99H9AHDDB8B89BEA5997D9988CC9CC 8766EFA8G8A

Table 33. Matrix 36.

Cercocebus males	655A9A3669687881799 6B7697A72789796796B54736A9C347897CBA7 795858
Cercocebus females	8AC78C1CDDBBAC69467962B4543083465D471C76669D1689126B286 2AC9C7C
Lophocebus males	A9BBCD8977CC1A9320BBD8781748BDCCB78AA33ABAAC83A0A7A4 9185532321
Lophocebus females	9CD9ABCDBBD99DC412A5B597432529523 5AD714BABBA22B83578A 031243112
Macaca males	7872669431438778988D94CB6993DAABAB24B4655748B99DBB567A7 8656495
Macaca females	C788B8A78286B645040850D68654C6D84C0292832436305B242154498 AB687
Mandrillus males	0010000010010002A53006020CDA020480C349221122DB02DCB263D3 C01030
Mandrillus females	56A6495ACC7C555BB152435522C9352969D52DB7455955256939089B D6D5BD
Pan males	DD6C73D82890CBDA3CCC7DA0D10D4CBA0ABCD81CCCD5ADC7961 C4D001BAD03
Pan females	BB9D21BB9AA2D9BD6DDAAC81C01C1B85289B5A0DDDC778DA510D 3C243D8B46
Papio males	2234122255151326D7632A3CBDBB6430D438C6A88984676C8A8382B A424264
Papio females	11413561A32441A05341114338 87A01111168499987301710340155601 79A8
Theropithecus males	34055443045A343CCB17891DABA6976DC36137C03201CA16CDD5D6 CC98C7CB
Theropithecus females	4323D775463762178A243B2A95615173725000D10010444340CAB71D B70ADA

Table 34. Matrix 37

Cercocebus males	79995A635358AB438986DBB776763688CAB7898B86AAB9A98CB9487C87A792
Cercocebus females	BD582C77848E34662178166399576 8A68B72C336444A9B9AA99C2CEEA58D33
Lophocebus males	EBCBB45CCCCA73C1B7C2C2A841232371ECE8BB2A588DDCDCEECDCE9BEC1CA6
Lophocebus females	647C413B97A742B79685B15212321223B9A4A8553538A7BEBBDEEDCAD93EC7
Macaca males	DC24C3757944B97CCB64797953648 4D7DDD3DC7DB2BCCDCB96A8A62252285C
Macaca females	9E1272B6363111897231632C344141941EC1E78C715EEEEDDDEBDA88734828
Mandrillus males	31D7AD442279EE15EDBA87E5EC859549211914 18CC12121111111151 16C144
Mandrillus females	AAE53ED8486C67286A4B2C9BD7C8CEB296956644DA696A88C77A8BDD9C767A
Pan males	28AEEB2DDDEDCDDB582E4E116DEE591CA75E91D21E7656776A54B737B1DBE5
Pan females	176D881EEEDB9AED351D3D448EBD673E744D72E12D244356782299A9C3EADD
Papio males	B58AD7A9BBB588AEACA794CAA8AAAAEA656C4DCEEBE531244433 33642A5469
Papio females	5235969AAA9526921453558625 99BB655226556799C12433524572B33893B1
Theropithecus males	86B369C16522DC3ADEE9EADDCBDBEDCD488B2EB9A7D7886525676 4156E658E
Theropithecus females	434115E21113555443DCA83EBA1CDC5B333A3AA3639375423386554 64BB21B

Table 35. Analyses in parsimony-based test of Hypothesis 1 using characters from all Dataset A regions. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
A	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Variable average divided by cube root taxon body mass	Segment coding, segment size 2
B	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Papio*	Variable average divided by cube root taxon body mass	Segment coding, segment size 2
C	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus* and *Papio*	Variable average divided by cube root taxon body mass	Segment coding, segment size 2.
D	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Individual variable divided by specimen average	Baum's method
E	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Divergence coding
F	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Baum's method
G	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.1
H	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Papio*	Logged variable divided by logged specimen geometric mean	Baum's method
I	129	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Variable divided by specimen average	Baum's method
J	129	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Divergence coding
K	129	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Baum's method

Table 36. Descriptive statistics for most parsimonious cladograms recovered from Dataset A in Hypothesis 1 parsimony-based test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
A	28	98	137	120	0.817	0.436
B	31	124	165	150	0.827	0.366
C	42	146	221	182	0.802	0.520
D	77	307	459	414	0.742	0.296
E	75	557	852	699	0.797	0.519
F	77	307	460	388	0.791	0.471
G	35	52	89	63	0.825	0.703
H	77	307	460	407	0.754	0.346
I	129	514	770	694	0.741	0.297
J	122	896	1365	1123	0.798	0.516
K	129	515	770	662	0.778	0.424

Table 37. Analyses in parsimony-based test of Hypothesis 1 using characters from all Dataset B regions. A = analysis. VAR = number of characters.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
1	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable average divided by cube root taxon body mass	Segment coding, segment size 10
2	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable average divided by cube root taxon body mass	Segment coding, segment size 5
3	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable divided by specimen average	Segment coding, segment size 0.1
4	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable divided by specimen average	Baum's coding
5	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Logged specimen value divided by logged specimen geometric mean	Baum's coding
6	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Logged specimen value divided by logged specimen geometric mean	Divergence coding
7	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Cercopithecus*	Logged specimen value divided by logged specimen geometric mean	Divergence coding
8	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	Composite taxon (*Cercopithecus*, *Colobus*, *Erythrocebus* and *Pan*)	Logged specimen value divided by logged specimen geometric mean	Divergence coding
9	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*-50% males, *Papio*, *Theropithecus*	*Pan*	Logged specimen value divided by logged specimen geometric mean	Divergence coding

Table 38. Descriptive statistics for most parsimonious cladograms recovered from Dataset B in Hypothesis 1 parsimony-based test. A = analysis. IC = informative characters. CI = consistency index. RI = retention index.

A	IC	Minimum length	Maximum length	Actual length	CI	RI
1	14	17	36	25	0.680	0.579
2	24	38	78	54	0.704	0.600
3	39	69	137	94	0.734	0.632
4	62	372	744	598	0.622	0.392
5	62	372	743	611	0.609	0.356
6	62	660	1305	962	0.686	0.532
7	61	628	1281	897	0.700	0.588
8	62	629	1294	922	0.682	0.559
9	62	652	1288	949	0.687	0.533

Table 39. Analyses in compatibility-based test of Hypothesis 1 using characters from all Dataset A regions. A = analysis. VAR = number of characters.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
L	129	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Variable divided by specimen average	Baum's method
M	129	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 40. Clades of cladograms supported in Analysis L.

Cladogram	Clades	Characters in supporting clique
1	(*Gorilla*, *Homo*) (*Gorilla*, *Homo*, *Pan*)	P24, M25, F7, F10, C5, C10
2	(*Gorilla*, *Homo*) (*Gorilla*, *Homo*, *Pongo*)	P27, M32, C23, C33
3	(*Gorilla*, *Homo*) (*Pan*, *Pongo*)	P19, M1, M18, M33, F3, F14, C26
4	(*Gorilla*, *Pan*) (*Gorilla*, *Homo*, *Pan*)	P4, M13, C8
5	(*Gorilla*, *Pan*) (*Gorilla*, *Pan*, *Pongo*)	P12, M4, M28, F5, F8, F15, F16, F17, C3
6	(*Gorilla*, *Pan*) (*Homo*, *Pongo*)	P5, M6, M23, C12, C19
7	(*Gorilla*, *Pongo*) (*Gorilla*, *Homo*, *Pongo*)	M20, F2, F11
8	(*Gorilla*, *Pongo*) (*Gorilla*, *Pan*, *Pongo*)	P8, P18, P21, M8, M10, M22, M26, M29, F1, F18, F19, F23, C1, C2, C14, C16, C28, C32, C34
9	(*Gorilla*, *Pongo*) (*Homo*, *Pan*)	M14, M19, M21, M24, M31, M36, F4, F9, F12, C4, C7, C15, C29
10	(*Homo*, *Pan*) (*Gorilla*, *Homo*, *Pan*)	P6, P16, M27, M34, M39, F13, C18, C21
11	(*Homo*, *Pan*) (*Homo*, *Pan*, *Pongo*)	P9, P10, P11, P14, P15, P17, P22, P25, P26, P30, P31, M11, M17, M37, M40, F24, C24, C30
12	(*Homo*, *Pongo*) (*Gorilla*, *Homo*, *Pongo*)	M5, M12, F20, C6
13	(*Homo*, *Pongo*) (*Homo*, *Pan*, *Pongo*)	P13, P20, P23, M7, M15, M16, M30, F6, F21, F22, C13, C27, C31
14	(*Pan*, *Pongo*) (*Gorilla*, *Pan*, *Pongo*)	P1, P2, P3, P28, P29, M2, M3, M18, M38, C11, C17, C20, C22
15	(*Pan*, *Pongo*) (*Homo*, *Pan*, *Pongo*)	P7, M18, M35, C9, C25

Table 41. Clades of cladograms supported in Analysis M.

Cladogram	Clades	Characters in supporting clique
1	(*Gorilla*, *Homo*) (*Gorilla*, *Homo*, *Pongo*)	P12, P13, P14, P16, P19, P24, M12, M13, M16, M32, M35, F14, F21, C8, C11, C25
2	(*Gorilla*, *Homo*) (*Pan*, *Pongo*)	P19, F14, F21, C8, C11, C26
3	(*Gorilla*, *Pan*) (*Gorilla*, *Homo*, *Pan*)	P4, M25, M27, F3, F7, F12
4	(*Gorilla*, *Pan*) (*Gorilla*, *Pan*, *Pongo*)	P3, P27, M4, M6, M20, M26, M28, F2, F5, F10, F15, F16, F17, F18, F19, F23, C5, C12, C15, C17, C34
5	(*Gorilla*, *Pongo*) (*Gorilla*, *Homo*, *Pongo*)	P6, P8, P10, P11, P16, P22, P26, M10, M12, M14, M15, M16, M32, M36, F11, F20
6	(*Gorilla*, *Pongo*) (*Gorilla*, *Pan*, *Pongo*)	P3, P5, P6, P8, P9, P11, P18, P21, P22, P27, M4, M5, M8, M20, M22, M23, M24, M28, M36, F1, F2, F4, F9, F10, F16, F17, F18, F19, F20, F23, C1, C2, C3, C4, C5, C7, C9, C14, C15, C16, C17, C28, C29, C30, C32, C34
7	(*Gorilla*, *Pongo*) (*Homo*, *Pan*)	P6, P8, P11, P22, P30, M11, M19, M21, M36, F13, F20, C18, C24
8	(*Homo*, *Pan*) (*Gorilla*, *Homo*, *Pan*)	M19, M21, M25, M29, M34, M39, F3, F7, F12, C18, C24
9	(*Homo*, *Pan*) (*Homo*, *Pan*, *Pongo*)	P7, P15, P17, P31, M7, M17, M19, M21, M37, M40, F24, C18, C24
10	(*Homo*, *Pongo*) (*Gorilla*, *Homo*, *Pongo*)	P16, P20, M12, M16, M32, F6, C10, C13, C19, C20, C23, C27
11	(*Homo*, *Pongo*) (*Homo*, *Pan*, *Pongo*)	P7, F6, F24, C6, C10, C13, C19, C27
12	(*Pan*, *Pongo*) (*Gorilla*, *Pan*, *Pongo*)	P1, P2, P3, P27, P28, P29, M1, M2, M3, M4, M18, M20, M28, M33, M38, F2, F8, F10, F16, F17, F18, F19, F23, C5, C15, C17, C22, C34

Table 42. Analyses in compatibility-based test of Hypothesis 1 using characters from all Dataset B regions. A = analysis. VAR = number of characters.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
10	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Logged specimen value divided by logged specimen geometric mean	Divergence coding
11	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Cercopithecus*	Logged specimen value divided by logged specimen geometric mean	Divergence coding

Table 43. Clades of cladograms supported in Analysis 10.

Cladogram	Clades	Characters in supporting clique
1	(*Cercocebus, Lophocebus*) (*Mandrillus, Papio*) (*Cercocebus, Lophocebus, Macaca*) (*Mandrillus, Papio, Theropithecus*)	F7, C8, C14
2	(*Cercocebus, Lophocebus*) (*Cercocebus, Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca, Theropithecus*)	P2, F12, C6
3	(*Cercocebus, Lophocebus*) (*Mandrillus, Papio, Theropithecus*) (*Macaca, Mandrillus, Papio, Theropithecus*)	P16, M13, C10, C14
4	(*Cercocebus, Macaca*) (*Mandrillus, Papio, Theropithecus*) (*Lophocebus, Mandrillus, Papio, Theropithecus*)	P3, C14
5	(*Cercocebus, Mandrillus*) (*Lophocebus, Macaca*) (*Cercocebus, Mandrillus, Papio*) (*Cercocebus, Lophocebus, Macaca, Mandrillus, Papio*)	P6, F2, C13
6	(*Lophocebus, Macaca*) (*Mandrillus, Papio*) (*Cercocebus, Lophocebus, Macaca*) (*Mandrillus, Papio, Theropithecus*)	F7, C2, C4, C14
7	(*Lophocebus, Macaca*) (*Mandrillus, Papio*) (*Cercocebus, Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca, Theropithecus*)	F16, C2, C4, C5
8	(*Lophocebus, Macaca*) (*Mandrillus, Theropithecus*) (*Cercocebus, Lophocebus, Macaca*) (*Mandrillus, Papio, Theropithecus*)	F7, C3, C13, C14
9	(*Lophocebus, Macaca*) (*Mandrillus, Theropithecus*) (*Mandrillus, Papio, Theropithecus*) (*Cercocebus, Mandrillus, Papio, Theropithecus*)	M7, M9, C13, C14
10	(*Lophocebus, Macaca*) (*Papio, Theropithecus*) (*Cercocebus, Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca, Mandrillus*)	M14, C13
11	(*Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca, Mandrillus*) (*Cercocebus, Lophocebus, Macaca, Mandrillus, Papio*)	F2, F6, F9, C13
12	(*Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca, Papio*) (*Cercocebus, Lophocebus, Macaca, Mandrillus, Papio*)	M11, F2, C13
13	(*Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca, Papio*) (*Cercocebus, Lophocebus, Macaca, Papio, Theropithecus*)	P13, C13
14	(*Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca, Theropithecus*) (*Cercocebus, Lophocebus, Macaca, Papio, Theropithecus*)	P2, P14, F4, F5, F12, F14, F15, F16, C1, C5, C13

15	(*Lophocebus, Macaca*) (*Cercocebus, Lophocebus, Macaca*) (*Mandrillus, Papio, Theropithecus*)	F3, F7, C7, C13, C14
16	(*Lophocebus, Macaca*) (*Lophocebus, Macaca, Mandrillus*) (*Cercocebus, Lophocebus, Macaca, Mandrillus*) (*Cercocebus, Lophocebus, Macaca, Mandrillus, Papio*)	M12, F2, F9, C13
17	(*Lophocebus, Macaca*) (*Lophocebus, Macaca, Papio*) (*Cercocebus, Lophocebus, Macaca, Papio, Theropithecus*)	M4, M10, C13
18	(*Lophocebus, Macaca*) (*Lophocebus, Macaca, Theropithecus*) (*Cercocebus, Lophocebus, Macaca, Theropithecus*) (*Cercocebus, Lophocebus, Macaca, Mandrillus, Theropithecus*)	P1, F12, F16, C5, C13
19	(*Lophocebus, Macaca*) (*Mandrillus, Papio, Theropithecus*) (*Cercocebus, Mandrillus, Papio, Theropithecus*)	C7, C13, C14
20	(*Lophocebus, Papio*) (*Lophocebus, Papio, Theropithecus*) (*Lophocebus, Macaca, Papio, Theropithecus*)	M6, F8
21	(*Lophocebus, Theropithecus*) (*Cercocebus, Lophocebus, Theropithecus*) (*Cercocebus, Lophocebus, Macaca, Theropithecus*)	P5, M5, F12
22	(*Lophocebus, Theropithecus*) (*Cercocebus, Lophocebus, Theropithecus*) (*Cercocebus, Lophocebus, Mandrillus, Theropithecus*) (*Cercocebus, Lophocebus, Mandrillus, Papio, Theropithecus*)	M3, M5
23	(*Macaca, Papio*) (*Macaca, Papio, Theropithecus*) (*Macaca, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	F1
24	(*Macaca, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	P8, P11
25	(*Macaca, Theropithecus*) (*Lophocebus, Macaca, Theropithecus*) (*Lophocebus, Macaca, Mandrillus, Theropithecus*) (*Cercocebus, Lophocebus, Macaca, Mandrillus, Theropithecus*)	P12
26	(*Macaca, Theropithecus*) (*Macaca, Mandrillus, Theropithecus*) (*Macaca, Mandrillus, Papio, Theropithecus*) *Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	P4, P11, C9, C15
27	(*Macaca, Theropithecus*) (*Macaca, Papio, Theropithecus*) (*Macaca, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	P7, P11, M8, C9
28	(*Mandrillus, Papio*) (*Macaca, Mandrillus, Papio*) (*Macaca, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	F10, F11, C11
29	(*Mandrillus, Papio*) (*Mandrillus, Papio, Theropithecus*) (*Macaca, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	C11, C14
30	(*Mandrillus, Theropithecus*) (*Cercocebus, Mandrillus, Theropithecus*) (*Cercocebus, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	P9, P15, M7

31	(*Mandrillus, Theropithecus*) (*Lophocebus, Macaca, Papio*)	C16
32	(*Mandrillus, Theropithecus*) (*Macaca, Mandrillus, Theropithecus*) (*Lophocebus, Macaca, Mandrillus, Theropithecus*) (*Cercocebus, Lophocebus, Macaca, Mandrillus, Theropithecus*)	M1
33	(*Mandrillus, Theropithecus*) (*Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	P9, P10, M2, C14
34	(*Papio, Theropithecus*) (*Cercocebus, Lophocebus, Macaca, Theropithecus*) (*Cercocebus, Lophocebus, Macaca, Papio, Theropithecus*)	F13
35	(*Papio, Theropithecus*) (*Mandrillus, Papio, Theropithecus*) (*Lophocebus, Mandrillus, Papio, Theropithecus*)	C12, C14

Table 44. Clades of cladograms supported in Analysis 11.

Cladogram	Clades	Characters in supporting clique
1	(*Cercocebus*, *Lophocebus*) (*Papio*, *Theropithecus*) (*Cercocebus*, *Lophocebus*, *Macaca*, *Papio*, *Theropithecus*)	P16, F9
2	(*Cercocebus*, *Macaca*) (*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*) (*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*)	C12
3	(*Cercocebus*, *Mandrillus*) (*Lophocebus*, *Macaca*) (*Cercocebus*, *Mandrillus*, *Papio*) (*Cercocebus*, *Mandrillus*, *Papio*, *Theropithecus*)	P6, C7, C13
4	(*Cercocebus*, *Papio*) (*Mandrillus*, *Theropithecus*) (*Cercocebus*, *Lophocebus*, *Papio*) (*Macaca*, *Mandrillus*, *Theropithecus*)	M1, C15
5	(*Cercocebus*, *Papio*) (*Cercocebus*, *Mandrillus*, *Papio*) (*Cercocebus*, *Lophocebus*, *Mandrillus*, *Papio*) (*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*)	P11, P12
6	(*Lophocebus*, *Macaca*) (*Mandrillus*, *Papio*) (*Mandrillus*, *Papio*, *Theropithecus*) (*Cercocebus*, *Mandrillus*, *Papio*, *Theropithecus*)	C2, C5, C7, C11, C13, C14, F5
7	(*Lophocebus*, *Macaca*) (*Papio*, *Theropithecus*) (*Cercocebus*, *Lophocebus*, *Macaca*) (*Cercocebus*, *Lophocebus*, *Macaca*, *Papio*, *Theropithecus*)	M7, F9
8	(*Lophocebus*, *Macaca*) (*Papio*, *Theropithecus*) (*Mandrillus*, *Papio*, *Theropithecus*) (*Cercocebus*, *Mandrillus*, *Papio*, *Theropithecus*)	F9, C7, C13, C14
9	(*Lophocebus*, *Theropithecus*) (*Cercocebus*, *Lophocebus*, *Theropithecus*) (*Cercocebus*, *Lophocebus*, *Macaca*, *Theropithecus*) (*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Theropithecus*)	P5, M5
10	(*Lophocebus*, *Theropithecus*) (*Cercocebus*, *Lophocebus*, *Theropithecus*) (*Cercocebus*, *Lophocebus*, *Mandrillus*, *Theropithecus*) (*Cercocebus*, *Lophocebus*, *Mandrillus*, *Papio*, *Theropithecus*)	M3, M5
11	(*Macaca*, *Papio*) (*Macaca*, *Papio*, *Theropithecus*) (*Macaca*, *Mandrillus*, *Papio*, *Theropithecus*) (*Cercocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*)	F1
12	(*Macaca*, *Theropithecus*) (*Cercocebus*, *Lophocebus*, *Papio*) (*Cercocebus*, *Lophocebus*, *Mandrillus*, *Papio*)	P4
13	(*Macaca*, *Theropithecus*) (*Cercocebus*, *Macaca*, *Mandrillus*, *Theropithecus*)	P8, M6
14	(*Macaca*, *Theropithecus*) (*Macaca*, *Papio*, *Theropithecus*) (*Macaca*, *Mandrillus*, *Papio*, *Theropithecus*) (*Cercocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*)	P7, M8, C9

15	(*Macaca, Theropithecus*) (*Mandrillus, Papio*) (*Macaca, Mandrillus, Papio, Theropithecus*)	C9, C11
16	(*Mandrillus, Papio*) (*Cercocebus, Lophocebus, Mandrillus, Papio*) (*Cercocebus, Lophocebus, Macaca, Mandrillus, Papio*)	P11, C11
17	(*Mandrillus, Papio*) (*Cercocebus, Mandrillus, Papio*) (*Cercocebus, Mandrillus, Papio, Theropithecus*)	P1, C7, C11
18	(*Mandrillus, Papio*) (*Macaca, Mandrillus, Papio*) (*Macaca, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	F10, F11, C11
19	(*Mandrillus, Papio*) (*Mandrillus, Papio, Theropithecus*) (*Cercocebus, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Lophocebus, Mandrillus, Papio, Theropithecus*)	P2, F2, F4, F7, F12, F14, F15, F16, C1, C4, C2, C5, C7, C11, C14
20	(*Mandrillus, Papio*) (*Mandrillus, Papio, Theropithecus*) (*Cercocebus, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	P1, M11, C2, C5, C7, C11, C14
21	(*Mandrillus, Papio*) (*Mandrillus, Papio, Theropithecus*) (*Lophocebus, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Lophocebus, Mandrillus, Papio, Theropithecus*)	P2, P3, F7, F12, C11, C14
22	(*Mandrillus, Papio*) (*Mandrillus, Papio, Theropithecus*) (*Macaca, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	M11, M13, C6, C8, C11, C14
23	(*Mandrillus, Papio*) (*Mandrillus, Papio, Theropithecus*) (*Macaca, Mandrillus, Papio, Theropithecus*) (*Lophocebus, Macaca, Mandrillus, Papio, Theropithecus*)	C10, C11, C14
24	(*Mandrillus, Theropithecus*) (*Cercocebus, Mandrillus, Theropithecus*) (*Cercocebus, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	P9, P15, M9, M10, C7
25	(*Mandrillus, Theropithecus*) (*Mandrillus, Papio, Theropithecus* (*Cercocebus, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	P9, P10, M9, F3, C14, C3, C7
26	(*Mandrillus, Theropithecus*) (*Cercocebus, Lophocebus, Macaca*) (*Mandrillus, Papio, Theropithecus*)	P13, C14
27	(*Mandrillus, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	P9, M6
28	(*Mandrillus, Theropithecus*) (*Lophocebus, Macaca, Papio*)	C16
29	(*Mandrillus, Theropithecus*) (*Mandrillus, Papio, Theropithecus*) (*Lophocebus, Mandrillus, Papio, Theropithecus*)	P3, M2, C14
30	(*Papio, Theropithecus*) (*Cercocebus, Lophocebus, Macaca*) (*Mandrillus, Papio, Theropithecus*)	F6, F9, C14

31	(*Papio, Theropithecus*) (*Cercocebus, Papio, Theropithecus*) (*Cercocebus, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	M12, F9, F13, C7
32	(*Papio, Theropithecus*) (*Lophocebus, Macaca, Papio, Theropithecus*)	F8, F9
33	(*Papio, Theropithecus*) (*Mandrillus, Papio, Theropithecus*) (*Cercocebus, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	M11, M14, F9, C14, C7
34	(*Papio, Theropithecus*) (*Mandrillus, Papio, Theropithecus*) (*Lophocebus, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Lophocebus, Mandrillus, Papio, Theropithecus*)	P3, F7, F9, C14
35	(*Papio, Theropithecus*) (*Mandrillus, Papio, Theropithecus*) (*Macaca, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Macaca, Mandrillus, Papio, Theropithecus*)	M13, F9, C14
36	(*Papio, Theropithecus*) (*Mandrillus, Papio, Theropithecus*) (*Macaca, Mandrillus, Papio, Theropithecus*) (*Lophocebus, Macaca, Mandrillus, Papio, Theropithecus*)	F9, C10, C14
37	(*Cercocebus, Mandrillus, Theropithecus*) (*Cercocebus, Mandrillus, Papio, Theropithecus*) (*Cercocebus, Lophocebus, Mandrillus, Papio, Theropithecus*)	M4, M10, C7

Table 45. Analyses in bootstrap-based test of Hypothesis 1 using characters from all Data-set A regions. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
N	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Variable average divided by cube root taxon body mass	Segment coding, segment size 2.
O	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Papio*	Variable average divided by cube root taxon body mass	Segment coding, segment size 2.
P	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus* and *Papio*	Variable average divided by cube root taxon body mass	Segment coding, segment size 2.
Q	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Individual variable divided by specimen average	Baum's method
R	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Divergence coding
S	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Baum's method
T	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.1
U	77	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Papio*	Logged variable divided by logged specimen geometric mean	Baum's method
V	129	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Variable divided by specimen average	Baum's method
W	129	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Divergence coding
X	129	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged variable divided by logged specimen geometric mean	Baum's method

Table 46. Analyses in bootstrap-based test of Hypothesis 1 using characters from all Data-set B regions. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment	Coding procedure
12	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable average divided by cube root taxon body mass	Segment coding, segment size 10
13	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable average divided by cube root taxon body mass	Segment coding, segment size 5
14	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable divided by specimen average	Segment coding, segment size 0.1
15	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable divided by specimen average	Baum's method
16	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Logged specimen value divided by logged specimen geometric mean	Baum's method
17	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Logged specimen value divided by logged specimen geometric mean	Divergence coding
18	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Cercopithecus*	Logged specimen value divided by logged specimen geometric mean	Divergence coding
19	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	Composite taxon (*Cercopithecus*, *Colobus*, *Erythrocebus* and *Pan*)	Logged specimen value divided by logged specimen geometric mean	Divergence coding
20	62	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*-50% males, *Papio*, *Theropithecus*	*Pan*	Logged specimen value divided by logged specimen geometric mean	Divergence coding

Table 47. Analyses in parsimony-based test of Hypothesis 2 using regionally-grouped characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
Y	31 palate and upper dentition 40 mandible and lower dentition 24 face 34 cranial vault and base	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Variable divided by specimen average	Baum's method
Z	31 palate and upper dentition 40 mandible and lower dentition 24 face 34 cranial vault and base	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged specimen value divided by logged specimen geometric mean	Divergence coding
AA	31 palate and upper dentition 40 mandible and lower dentition 24 face 34 cranial vault and base	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged specimen value divided by logged specimen geometric mean	Baum's method

Table 48. Descriptive statistics for most parsimonious cladograms recovered from Dataset A in Hypothesis 2 parsimony-based test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
Y palate and lower dentition	31	124	186	158	0.785	0.452
Y mandible and upper dentition	40	158	236	210	0.752	0.333
Y face	24	96	144	126	0.762	0.375
Y cranial vault and base	34	136	204	181	0.751	0.338
Z palate and lower dentition	29	210	326	269	0.781	0.491
Z mandible and upper dentition	39	285	444	379	0.752	0.409
Z face	23	175	257	205	0.854	0.634
Z cranial vault and base	31	226	338	270	0.837	0.607
AA palate and lower dentition	31	124	185	175	0.709	0.164
AA mandible and upper dentition	40	159	238	220	0.723	0.228
AA face	24	96	143	138	0.696	0.106
AA cranial vault and base	34	136	204	195	0.697	0.132

Table 49. Analyses in parsimony-based test of Hypothesis 2 using regionally-grouped characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
21	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable mean divided by cube root taxon body mass	Segment coding, segment size 5
22	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable divided by specimen average	Segment coding, segment size 0.1
23	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable divided by specimen average	Baum's method
24	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Logged variable divided by logged specimen geometric mean	Divergence coding
25	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Cercopithecus*	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 50. Descriptive statistics for most parsimonious cladograms recovered from Dataset B in Hypothesis 2 parsimony-based test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
21 palate and lower dentition	3	5	10	5	1.000	1.000
21 mandible and upper dentition	4	4	10	6	0.667	0.667
21 face	10	22	42	27	0.815	0.750
21 cranial vault and base	7	7	16	11	0.636	0.556
22 palate and lower dentition	9	13	24	15	0.867	0.818
22 mandible and upper dentition	6	6	16	9	0.667	0.700
22 face	12	29	54	36	0.806	0.720
22 cranial vault and base	12	21	43	27	0.778	0.727
23 palate and lower dentition	16	96	192	147	0.653	0.469
23 mandible and upper dentition	14	84	168	136	0.618	0.381
23 face	16	96	192	150	0.640	0.438
23 cranial vault and base	16	96	192	138	0.696	0.562
24 palate and lower dentition	16	170	315	256	0.664	0.407
24 mandible and upper dentition	14	151	300	221	0.683	0.530
24 face	16	170	352	232	0.733	0.659
24 cranial vault and base	16	169	338	227	0.744	0.657
25 palate and lower dentition	16	168	317	247	0.680	0.470
25 mandible and upper dentition	14	146	308	211	0.692	0.599
25 face	15	149	323	204	0.730	0.684
25 cranial vault and base	16	165	333	212	0.778	0.720

Table 51. Analyses in bootstrap-based test of Hypothesis 2 using regionally-grouped characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
BB	31 palate and upper dentition, 40 mandible and lower dentition, 24 face, 34 cranial vault and base	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Variable divided by specimen average	Baum's method
CC	31 palate and upper dentition, 40 mandible and lower dentition, 24 face, 34 cranial vault and base	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged specimen value divided by logged specimen geometric mean	Divergence coding
DD	31 palate and upper dentition, 40 mandible and lower dentition, 24 face, 34 cranial vault and base	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged specimen value divided by logged specimen geometric mean	Baum's method

Table 52. Analyses in bootstrap-based test of Hypothesis 2 using regionally-grouped characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
26	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable mean divided by cube root taxon body mass	Segment coding, segment size 5
27	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable divided by specimen average	Segment coding, segment size 0.1
28	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable divided by specimen average	Baum's coding procedure
29	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Logged variable divided by logged specimen geometric mean	Divergence coding
30	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Cercopithecus*	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 53. Analyses in consistency index-based test of Hypothesis 2 using regionally-grouped characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
EE	31 palate and upper dentition, 40 mandible and lower dentition, 24 face, 34 cranial vault and base	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Variable divided by specimen average	Baum's method
FF	31 palate and upper dentition, 40 mandible and lower dentition, 24 face, 34 cranial vault and base	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged specimen value divided by logged specimen geometric mean	Divergence coding
GG	31 palate and upper dentition, 40 mandible and lower dentition, 24 face, 34 cranial vault and base	*Gorilla*, *Homo*, *Pan*, *Pongo*	*Colobus*	Logged specimen value divided by logged specimen geometric mean	Baum's method

Table 54. Analyses in consistency index-based test of Hypothesis 2 analyses using regionally-grouped characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
31	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable mean divided by cube root taxon body mass	Segment coding, segment size 5
32	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable divided by specimen average	Segment coding, segment size 0.1
33	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Variable divided by specimen average	Baum's coding procedure
34	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Pan*	Logged variable divided by logged specimen geometric mean	Divergence coding
35	16 palate and upper dentition, 14 mandible and lower dentition, 16 face, 16 cranial vault and base	*Cercocebus*, *Lophocebus*, *Macaca*, *Mandrillus*, *Papio*, *Theropithecus*	*Cercopithecus*	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 55. Analyses in parsimony-based test of Hypothesis 3 using all characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
MM	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
NN	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
OO	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
PP	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 56. Descriptive statistics for most parsimonious cladograms recovered from all Dataset A characters in Hypothesis 3 test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
HH male	129	1020	1535	1217	0.838	0.617
HH female	129	987	1437	1183	0.834	0.564
II male	47	55	102	74	0.743	0.596
II female	40	53	94	77	0.688	0.415
JJ male	67	119	193	146	0.815	0.635
JJ female	69	151	225	185	0.816	0.541
KK male	124	1682	2485	2032	0.828	0.564
KK female	128	1880	2757	2381	0.790	0.429

Table 57. Analyses in parsimony-based test of Hypothesis 3 using all characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
36	62	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
37	62	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 58. Descriptive statistics for most parsimonious cladograms recovered from Dataset B all characters in Hypothesis 3 test. IC = informative characters. CI = consistency index. RI = retention index.

A	IC	Minimum length	Maximum length	Actual length	CI	RI
36 male	62	699	1354	1073	0.651	0.429
36 female	62	678	1323	1086	0.624	0.367
37 male	62	709	1388	1119	0.634	0.396
37 female	62	691	1354	1094	0.632	0.392

Table 59. Analyses in bootstrap-based test of Hypothesis 3 using all characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
LL	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
MM	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
NN	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
OO	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 60. Analyses in bootstrap-based test of Hypothesis 3 using all characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
38	62	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
39	62	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 61. Analyses in consistency index-based test of Hypothesis 3 using all characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
PP	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
QQ	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
RR	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
SS	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 62. Analyses in consistency index-based test of Hypothesis 3 using all characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
40	62	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
41	62	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 63. Analyses in parsimony-based test of Hypothesis 3 from palate and upper dentition characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
TT	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric average	Baum's coding procedure
UU	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
VV	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
WW	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 64. Descriptive statistics for most parsimonious cladograms recovered from Dataset A palate and upper dentition in Hypothesis 3 test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
TT male	31	244	367	270	0.904	0.789
TT female	31	236	344	259	0.911	0.787
UU male	9	10	19	13	0.769	0.667
UU female	12	16	28	22	0.727	0.500
VV male	14	23	37	29	0.793	0.571
VV female	19	37	57	44	0.841	0.650
WW male	30	387	562	470	0.823	0.526
WW female	31	455	669	553	0.823	0.542

Table 65. Analyses in parsimony-based test of Hypothesis 3 using palate and upper dentition characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedures
42	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
43	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 66. Descriptive statistics for most parsimonious cladograms recovered from Dataset B palate and upper dentition in Hypothesis 3 test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
42 male	16	174	345	253	0.688	0.538
42 female	16	177	353	271	0.653	0.466
43 male	16	174	350	255	0.682	0.540
37 female	16	184	348	275	0.669	0.445

Table 67. Analyses in bootstrap-based test of Hypothesis 3 using palate and upper dentition characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
XX	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
YY	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
ZZ	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
AAA	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 68. Analyses in bootstrap-based test of Hypothesis 3 using palate and upper dentition characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
44	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
45	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 69. Analyses in consistency index-based tests of Hypothesis 3 using palate and upper dentition characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment	Coding procedures
BBB	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
CCC	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
DDD	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
EEE	31	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 70. Analyses in consistency index-based test of Hypothesis 3 using palate and upper dentition characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
46	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
47	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 71. Analyses in parsimony-based test of Hypothesis 3 using mandible and lower dentition characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
FFF	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
GGG	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
HHH	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
III	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 72. Descriptive statistics for most parsimonious cladograms recovered from Dataset A mandible and lower dentition in Hypothesis 3 test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
FFF male	40	317	477	352	0.901	0.781
FFF female	40	297	442	334	0.889	0.745
GGG male	15	15	30	22	0.682	0.533
GGG female	11	14	25	18	0.778	0.636
HHH male	23	32	55	42	0.762	0.565
HHH female	24	51	76	59	0.864	0.680
III male	40	531	812	694	0.765	0.420
III female	40	592	898	757	0.782	0.461

Table 73. Analyses in parsimony-based test of Hypothesis 3 using mandible and lower dentition characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
48	14	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
49	14	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 74. Descriptive statistics for most parsimonious cladograms recovered from Dataset B mandible and lower dentition in Hypothesis 3 test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
48 male	14	150	278	223	0.673	0.430
48 female	14	155	293	248	0.625	0.326
49 male	14	154	290	228	0.675	0.456
49 female	14	154	314	237	0.650	0.481

Table 75. Analyses in bootstrap-based test of Hypothesis 3 using mandible and lower dentition characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
KKK	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
LLL	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
MMM	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
NNN	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 76. Analyses in bootstrap-based test of Hypothesis 3 using mandible and lower dentition characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
50	14	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
51	14	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 77. Analyses in consistency index-based test of Hypothesis 3 using mandible and lower dentition characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
OOO	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
PPP	129	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
QQQ	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
RRR	40	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 78. Analyses in consistency index-based test of Hypothesis 3 using mandible and lower dentition characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
52	14	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
53	14	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 79. Analyses in parsimony-based test of Hypothesis 3 using face characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
SSS	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric average	Baum's coding procedure
TTT	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
UUU	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
VVV	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 80. Descriptive statistics for most parsimonious cladograms recovered from Dataset A face in Hypothesis 3 test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
SSS male	24	193	291	234	0.825	0.582
SSS female	24	183	259	228	0.803	0.408
TTT male	11	14	25	18	0.778	0.636
TTT female	9	11	21	16	0.688	0.500
UUU male	13	30	47	36	0.833	0.647
UUU female	10	27	39	34	0.794	0.417
VVV male	22	314	483	365	0.860	0.698
VVV female	24	345	497	442	0.781	0.362

Table 81. Analyses in parsimony-based test of Hypothesis 3 using face characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
54	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
55	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 82. Descriptive statistics for most parsimonious cladograms recovered from Dataset B face in Hypothesis 3 test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
54 male	16	192	368	275	0.698	0.528
54 female	16	170	329	269	0.632	0.377
55 male	16	195	377	272	0.717	0.577
55 female	16	175	335	247	0.709	0.550

Table 83. Analyses in bootstrap-based test of Hypothesis 3 using face characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
WWW	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
XXX	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
YYY	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
ZZZ	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 84. Analyses in bootstrap-based test of Hypothesis 3 using face characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
56	24	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
57	24	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 85. Analyses in consistency index-based test of Hypothesis 3 using face characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
AAAA	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
BBBB	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
CCCC	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
DDDD	24	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 86. Analyses in consistency index-based test of Hypothesis 3 using face characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
58	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
59	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 87. Analyses in parsimony-based test of Hypothesis 3 using cranial vault and base characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
EEEE	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
FFFF	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
GGGG	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
HHHH	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 88. Descriptive statistics for most parsimonious cladograms recovered from Dataset A cranial vault and base in Hypothesis 3 test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
EEEE male	34	266	400	338	0.787	0.463
EEEE female	34	271	392	346	0.783	0.380
FFFF male	12	16	28	20	0.800	0.667
FFFF female	14	12	20	16	0.750	0.500
GGGG male	17	34	54	38	0.895	0.800
GGGG female	16	36	53	46	0.783	0.412
HHHH male	32	450	628	503	0.895	0.702
HHHH female	33	488	693	622	0.785	0.346

Table 89. Analyses in parsimony-based test of Hypothesis 3 using cranial vault and base characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
60	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
61	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 90. Descriptive statistics for most parsimonious cladograms recovered from Dataset B cranial vault and base in Hypothesis 3 test. IC = informative characters. CI = consistency index. RI = retention index.

Analysis	IC	Minimum length	Maximum length	Actual length	CI	RI
60 male	16	183	363	253	0.723	0.611
60 female	16	176	348	259	0.680	0.517
61 male	16	186	371	273	0.681	0.530
61 female	16	178	357	261	0.682	0.536

Table 91. Analyses in bootstrap-based test of Hypothesis 3 using cranial vault and base characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
IIII	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
JJJJ	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
KKKK	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
LLLL	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 92. Analyses in bootstrap-based test of Hypothesis 3 using cranial vault and base characters from Dataset B. A = analysis. IG = ingroup taxa.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
62	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
63	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geo-metric mean	Baum's coding procedure

Table 93. Analyses in consistency index-based test of Hypothesis 3 using cranial vault and base characters from Dataset A. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
MMMM	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Variable divided by specimen geometric mean	Baum's coding procedure
NNNN	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.15
OOOO	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Segment coding, segment size 0.08
PPPP	34	*Gorilla* male, *Gorilla* female, *Homo* male, *Homo* female, *Pan* male, *Pan* female, *Pongo* male, *Pongo* female	*Colobus* male, *Colobus* female	Logged variable divided by logged specimen geometric mean	Divergence coding

Table 94. Analyses in consistency index-based test of Hypothesis 3 using cranial vault and base characters from Dataset B. A = analysis. VAR = number of variables.

A	VAR	Ingroup	Outgroup	Size-adjustment technique	Coding procedure
64	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Variable divided by specimen average	Baum's coding procedure
65	16	*Cercocebus* male, *Cercocebus* female, *Lophocebus* male, *Lophocebus* female, *Macaca* male, *Macaca* female, *Mandrillus* male, *Mandrillus* female, *Papio* male, *Papio* female, *Theropithecus* male, *Theropithecus* female	*Pan* male, *Pan* female	Logged variable divided by logged specimen geometric mean	Baum's coding procedure

Table 95. Summary of results of tests of Hypothesis 1.

Test	Result
Dataset A parsimony-based test using data from all cranial regions.	Hypothesis not supported.
Dataset B parsimony-based test using data from all cranial regions.	Hypothesis not supported.
Dataset A compatibility-based test using data from all cranial regions.	Hypothesis not supported.
Dataset B compatibility-based test using data from all cranial regions.	Hypothesis not supported.
Dataset A bootstrap-based test using data from all cranial regions.	Hypothesis not supported.
Dataset B bootstrap-based test using data from all cranial regions.	Hypothesis not supported.

Table 96. Summary of results of tests of Hypothesis 2.

Test	Result
Dataset A parsimony-based test using regionally grouped data.	Hypothesis not supported.
Dataset B parsimony-based test using regionally grouped data.	Hypothesis not supported.
Dataset A compatibility-based test using regionally grouped data.	Hypothesis not supported.
Dataset B compatibility-based test using regionally grouped data.	Hypothesis not supported.
Dataset A consistency index-based test using regionally grouped data.	Hypothesis not supported.
Dataset B consistency index-based test using regionally grouped data.	Hypothesis not supported.

Table 97. Summary of results of tests of Hypothesis 3.

Test	Result
Dataset A parsimony-based test using data from all cranial regions.	Hypothesis not supported.
Dataset B parsimony-based test using data from all cranial regions.	Hypothesis not supported.
Dataset A bootstrap-based test using data from all cranial regions.	Hypothesis not supported.
Dataset B bootstrap-based test using data from all cranial regions.	Hypothesis not supported.
Dataset A consistency index-based test using data from all cranial regions.	Hypothesis supported. Females better than males.
Dataset B consistency index-based test using data from all cranial regions.	Hypothesis supported. Females better than males.
Dataset A parsimony-based test using data from palate and upper dentition.	Hypothesis not supported.
Dataset B parsimony-based test using data from palate and upper dentition.	Hypothesis not supported.
Dataset A bootstrap-based test using data from palate and upper dentition.	Hypothesis not supported.
Dataset B bootstrap-based test using data from palate and upper dentition.	Hypothesis not supported.
Dataset A consistency index-based test using data from palate and upper dentition.	Hypothesis not supported.
Dataset B consistency index-based test using data from palate and upper dentition.	Hypothesis not supported.
Dataset A parsimony-based test using data from mandible and lower dentition.	Hypothesis not supported.
Dataset B parsimony-based test using data from mandible and lower dentition.	Hypothesis not supported.
Dataset A bootstrap-based test using data from mandible and lower dentition.	Hypothesis not supported.
Dataset B bootstrap-based test using data from mandible and lower dentition.	Hypothesis not supported.
Dataset A consistency index-based test using data from mandible and lower dentition.	Hypothesis not supported.
Dataset B consistency index-based test using data from data from mandible and lower dentition.	Hypothesis supported. Males better than females.
Dataset A parsimony-based test using data from face.	Hypothesis not supported.
Dataset B parsimony-based test using data from face.	Hypothesis not supported.
Dataset A bootstrap-based test using data from face.	Hypothesis not supported.
Dataset B bootstrap-based test using data from face.	Hypothesis not supported.
Dataset A consistency index-based test using data from face.	Hypothesis supported. Females better than males.
Dataset B consistency index-based test using data from face.	Hypothesis not supported.
Dataset A parsimony-based test using data from cranial vault and base.	Hypothesis not supported.
Dataset B parsimony-based test using data from cranial vault and base.	Hypothesis not supported.
Dataset A bootstrap-based test using data from cranial vault and base.	Hypothesis not supported.
Dataset B bootstrap-based test using data from cranial vault and base.	Hypothesis supported. Females better than males.
Dataset A consistency index-based test using data from cranial vault and base.	Hypothesis supported. Females better than males.
Dataset B consistency index-based test using data from cranial vault and base.	Hypothesis supported. Females better than males.

Figure 1. Consensus molecular cladogram for the hominoid genera.

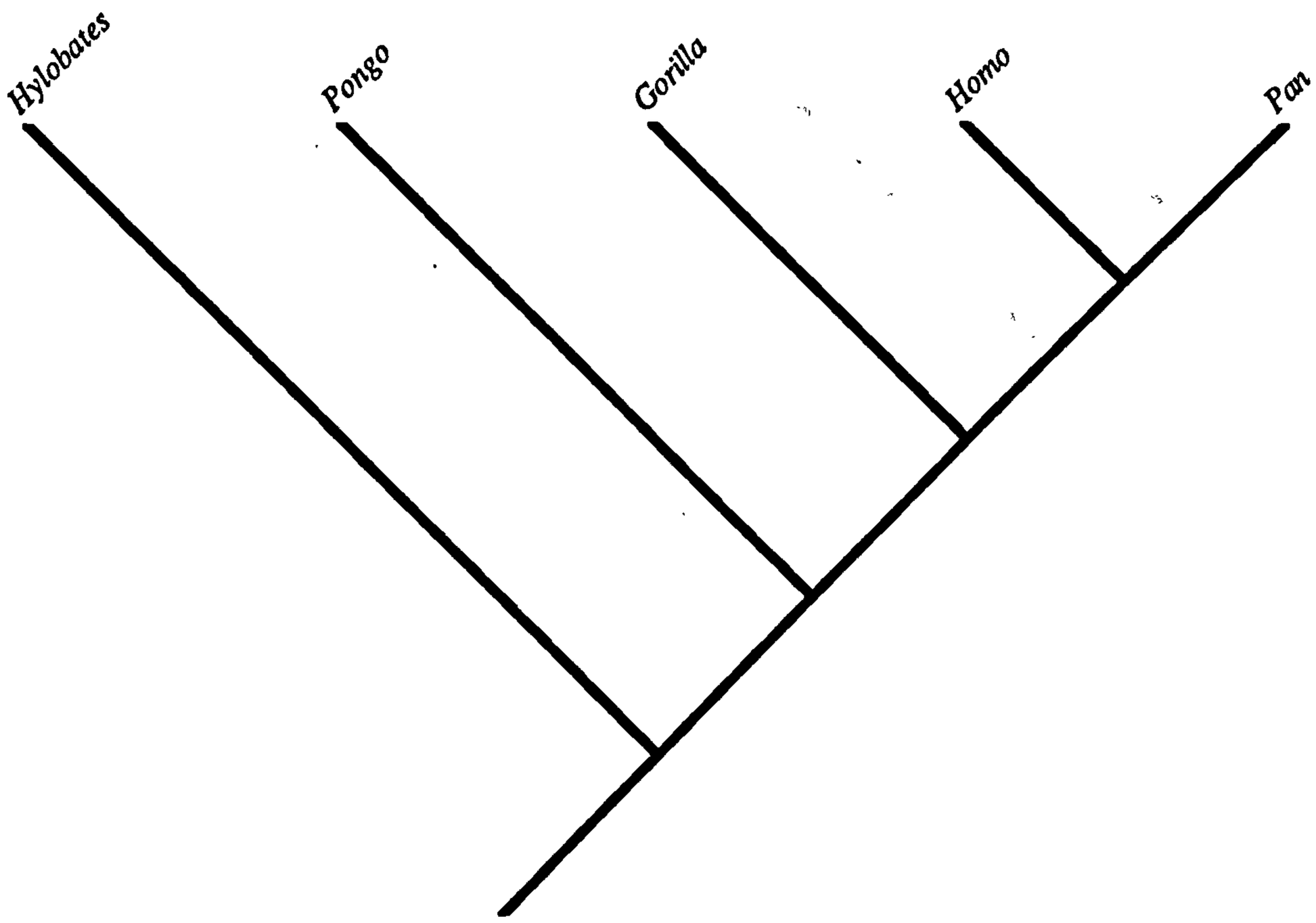


Figure 2. Consensus molecular cladogram for the papionin genera.

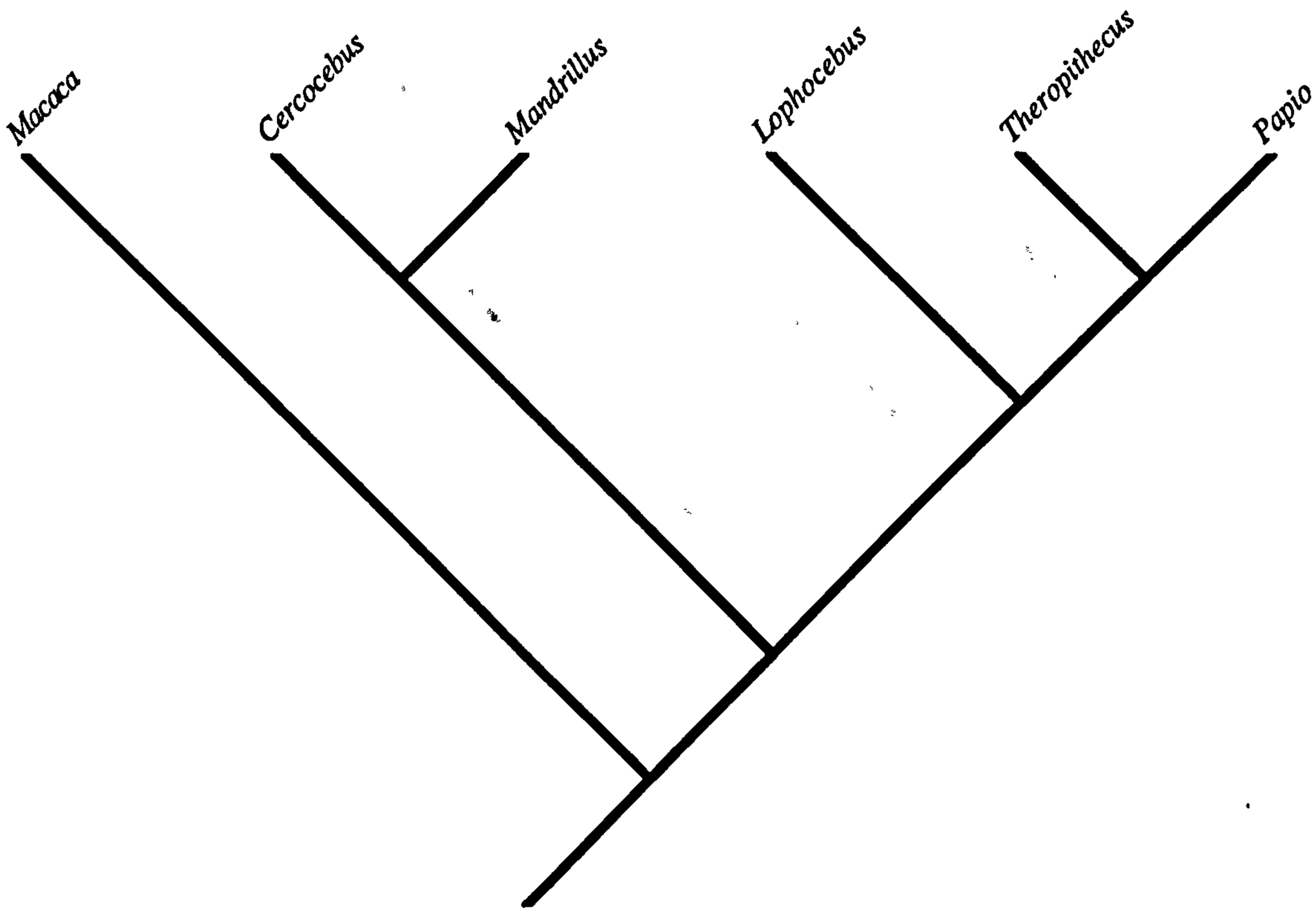


Figure 3. Example cladogram.

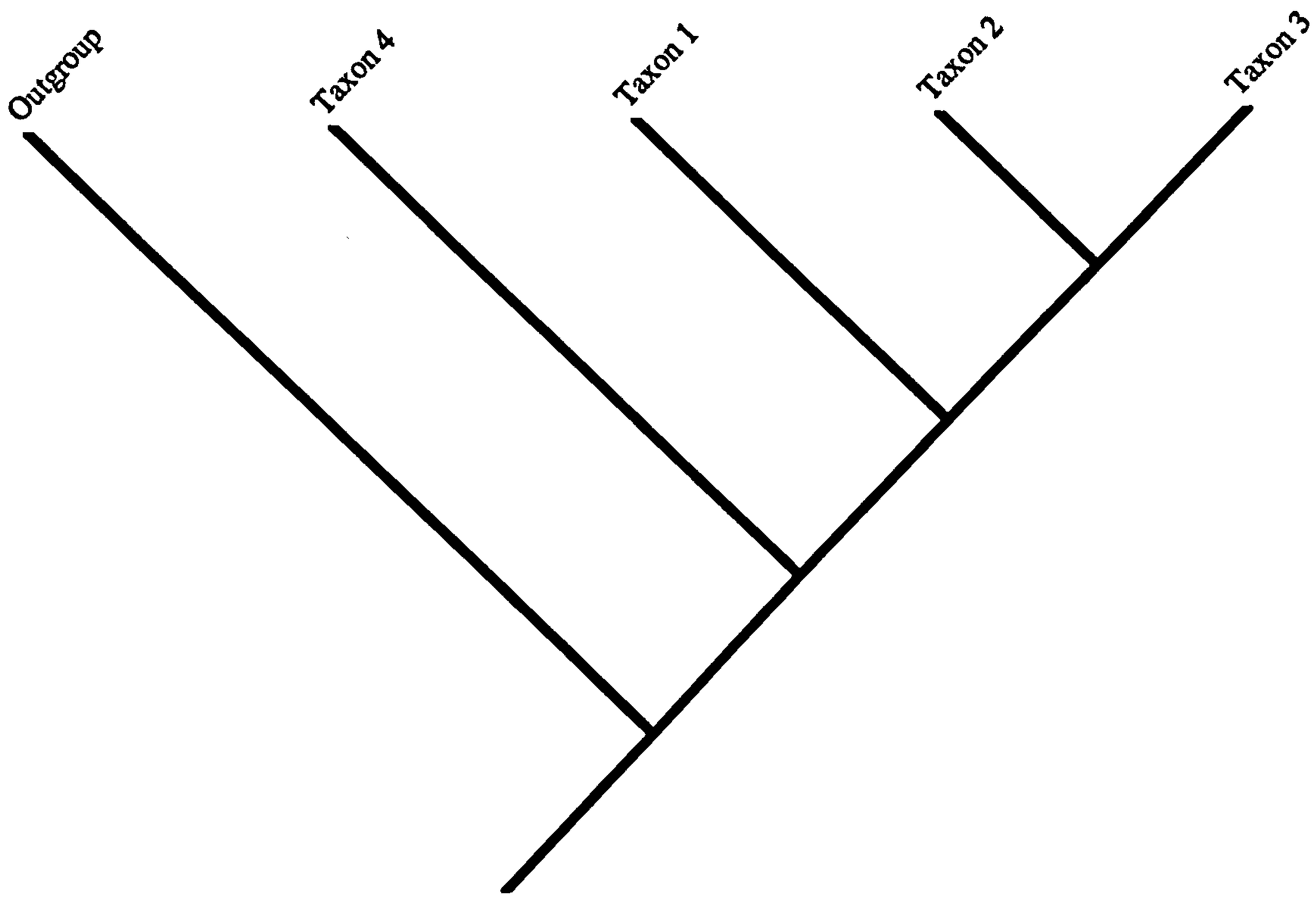


Figure 4. Hominid cladogram favoured by Eldredge and Tattersall (1975).

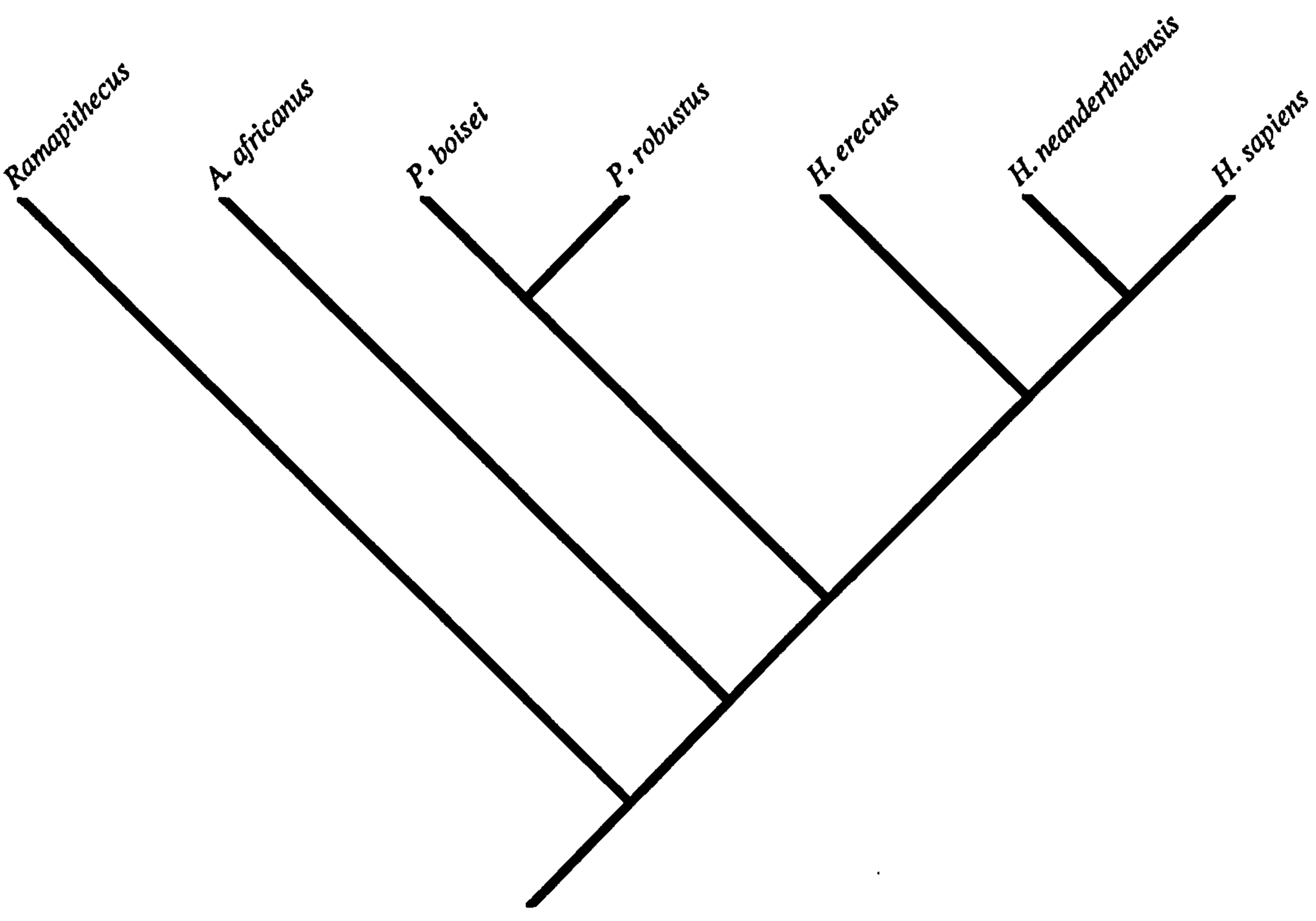


Figure 5. Hominid cladogram favoured by Bonde (1976; 1977).

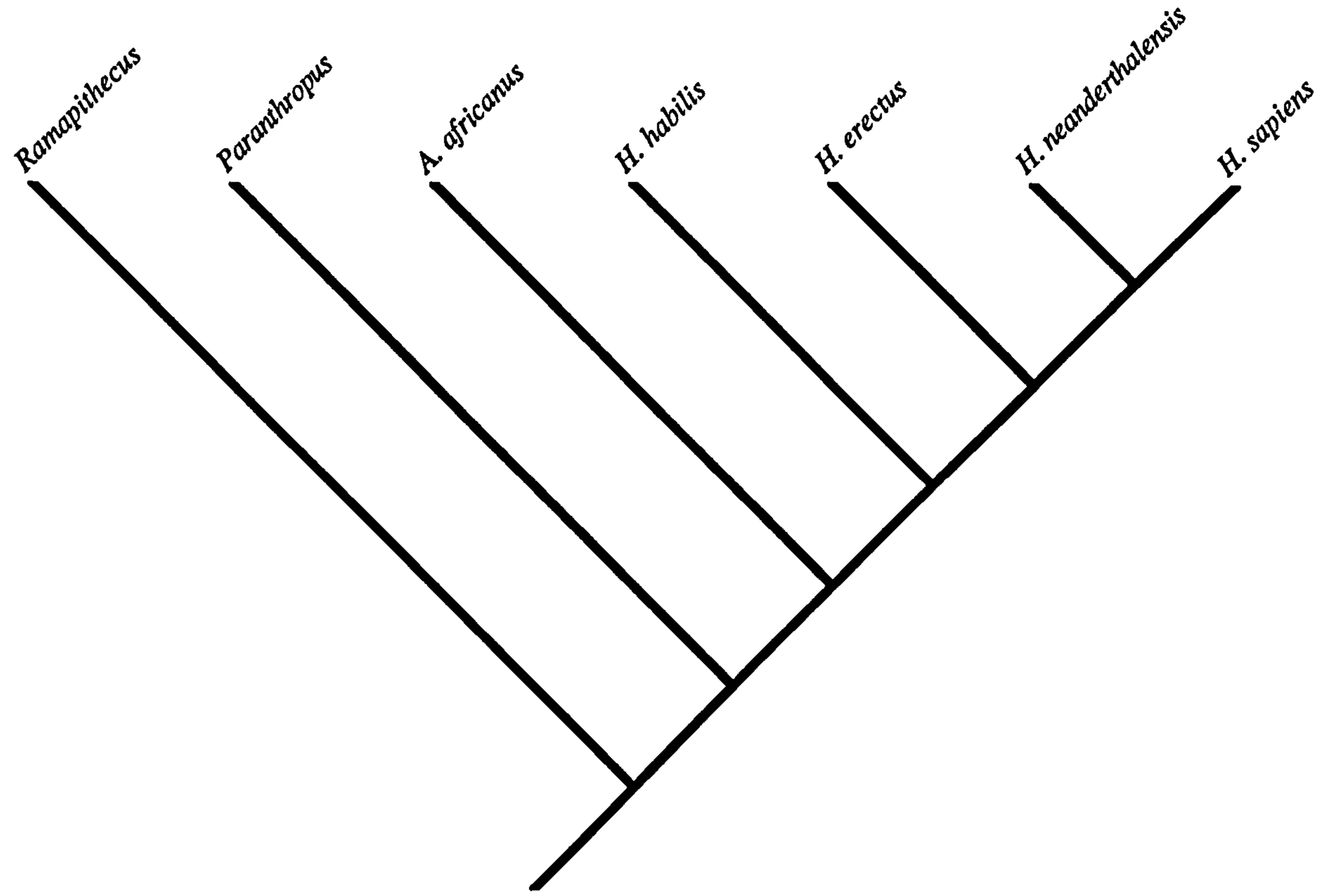


Figure 6. Hominid cladogram favoured by Delson et al. (1977).

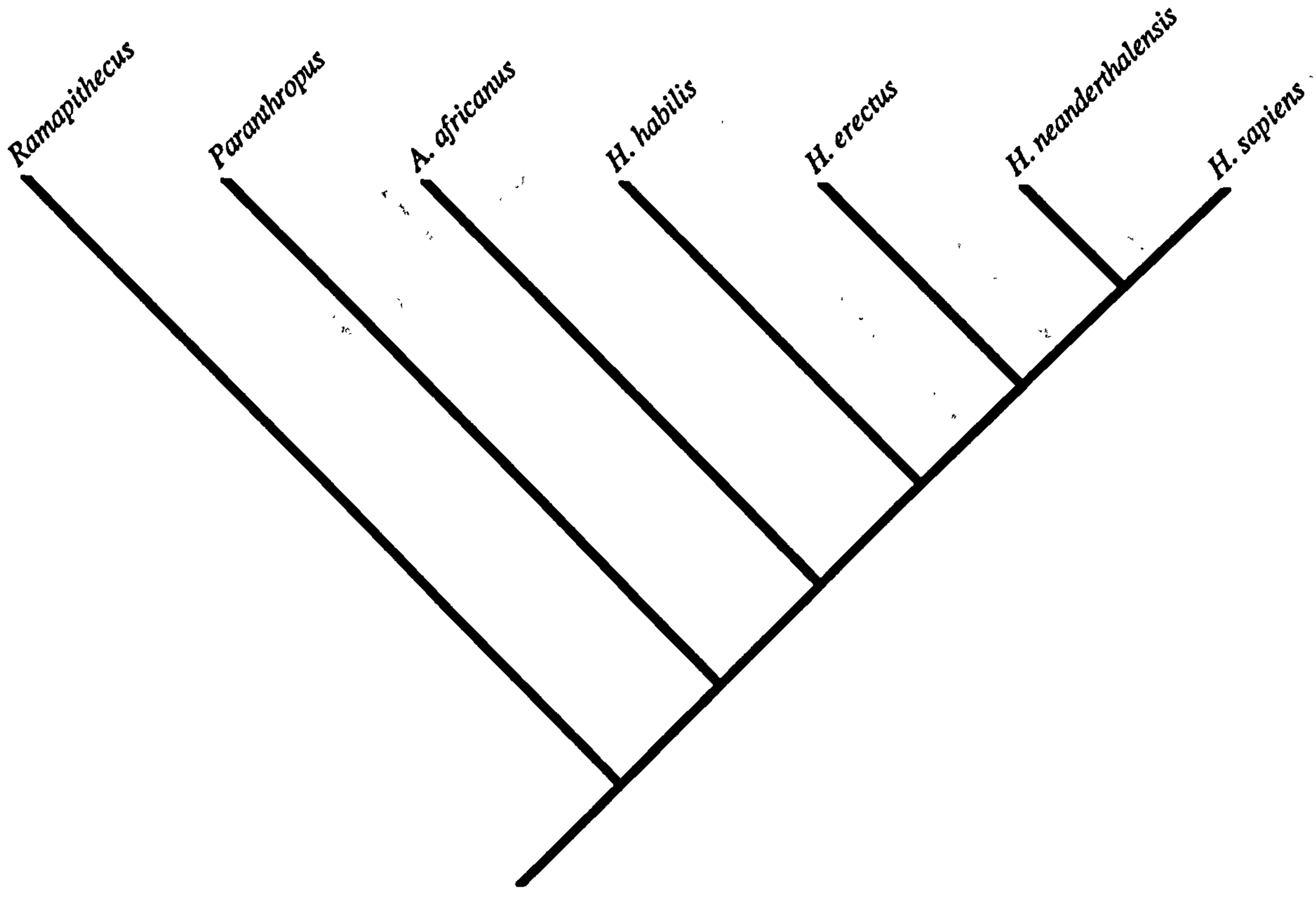


Figure 7. Hominid cladogram favoured by Tattersall and Eldredge (1977).

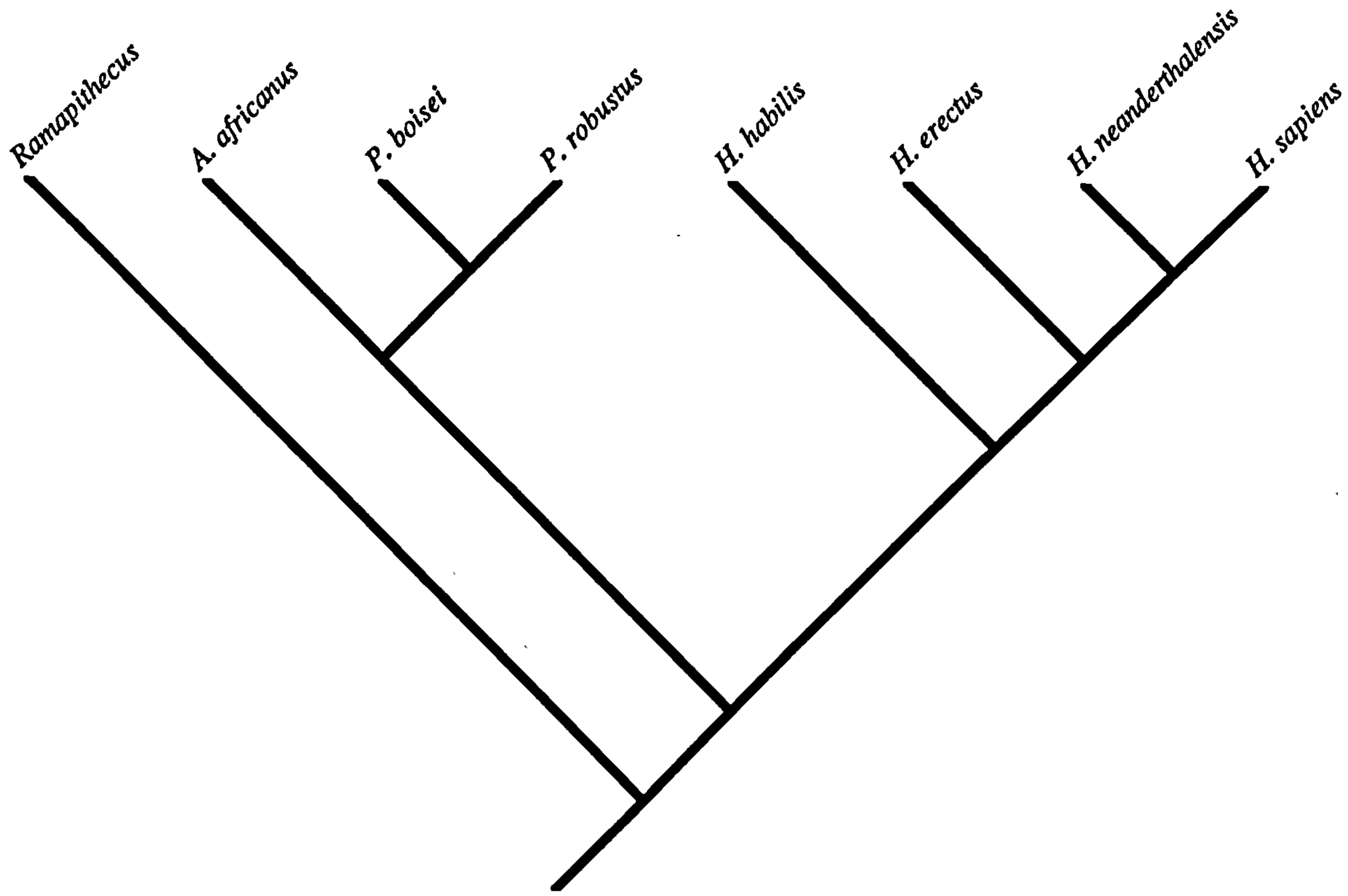


Figure 8. Hominid cladogram favoured by Olson (1978).

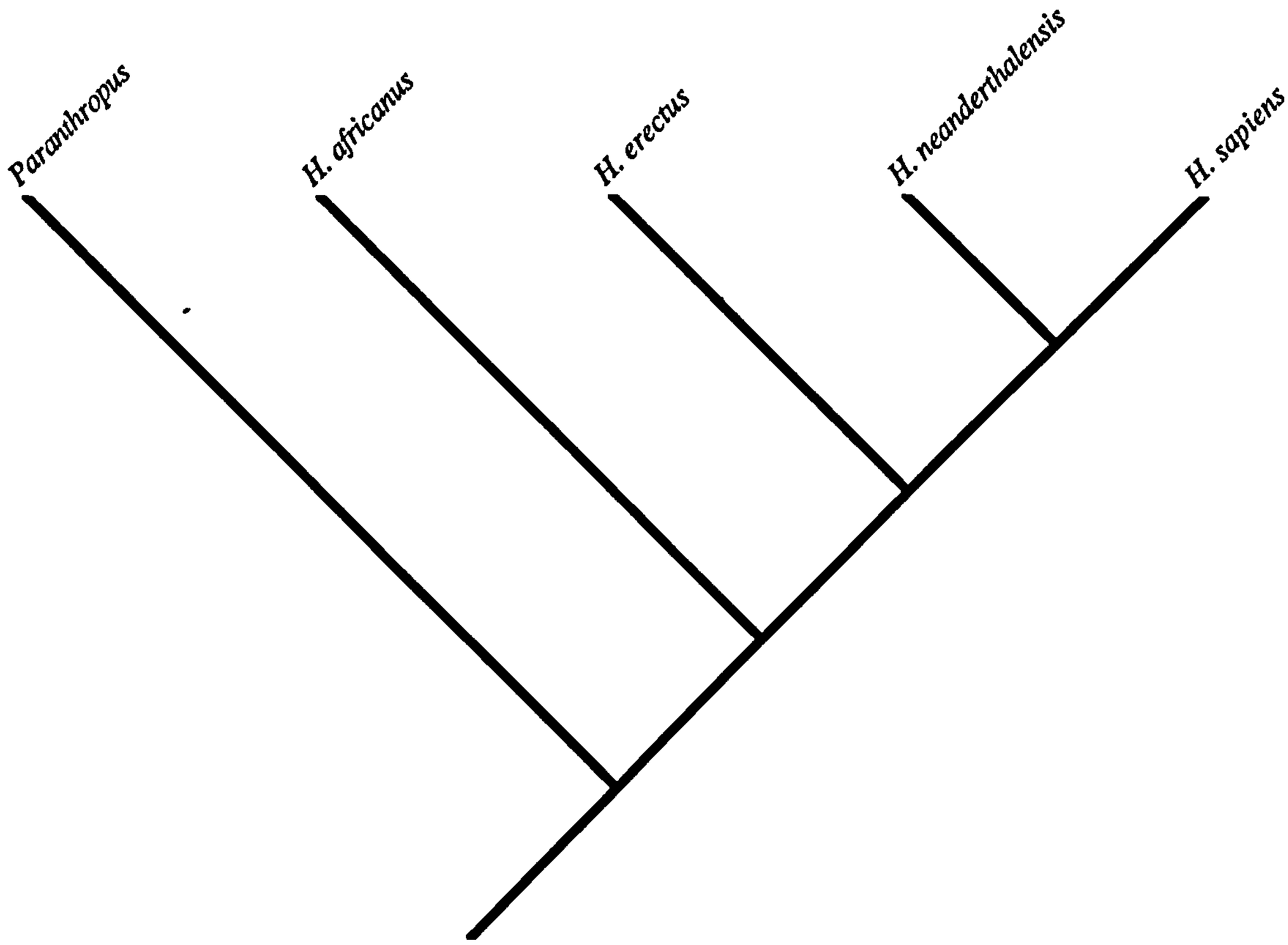


Figure 9. Hominid cladogram favoured by Johanson and White (1979).

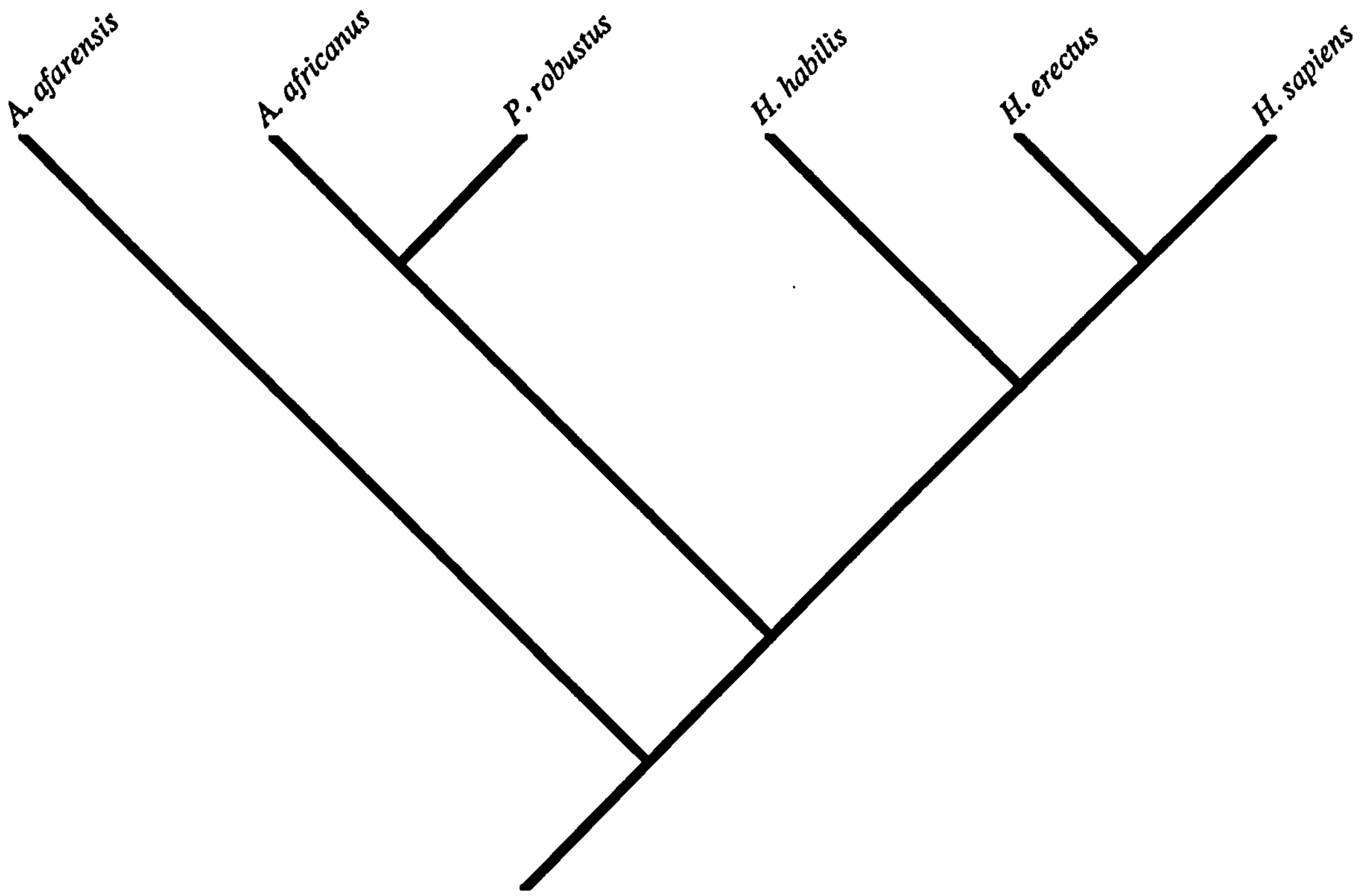


Figure 10. Hominid cladogram favoured by Corruccini and McHenry (1980).

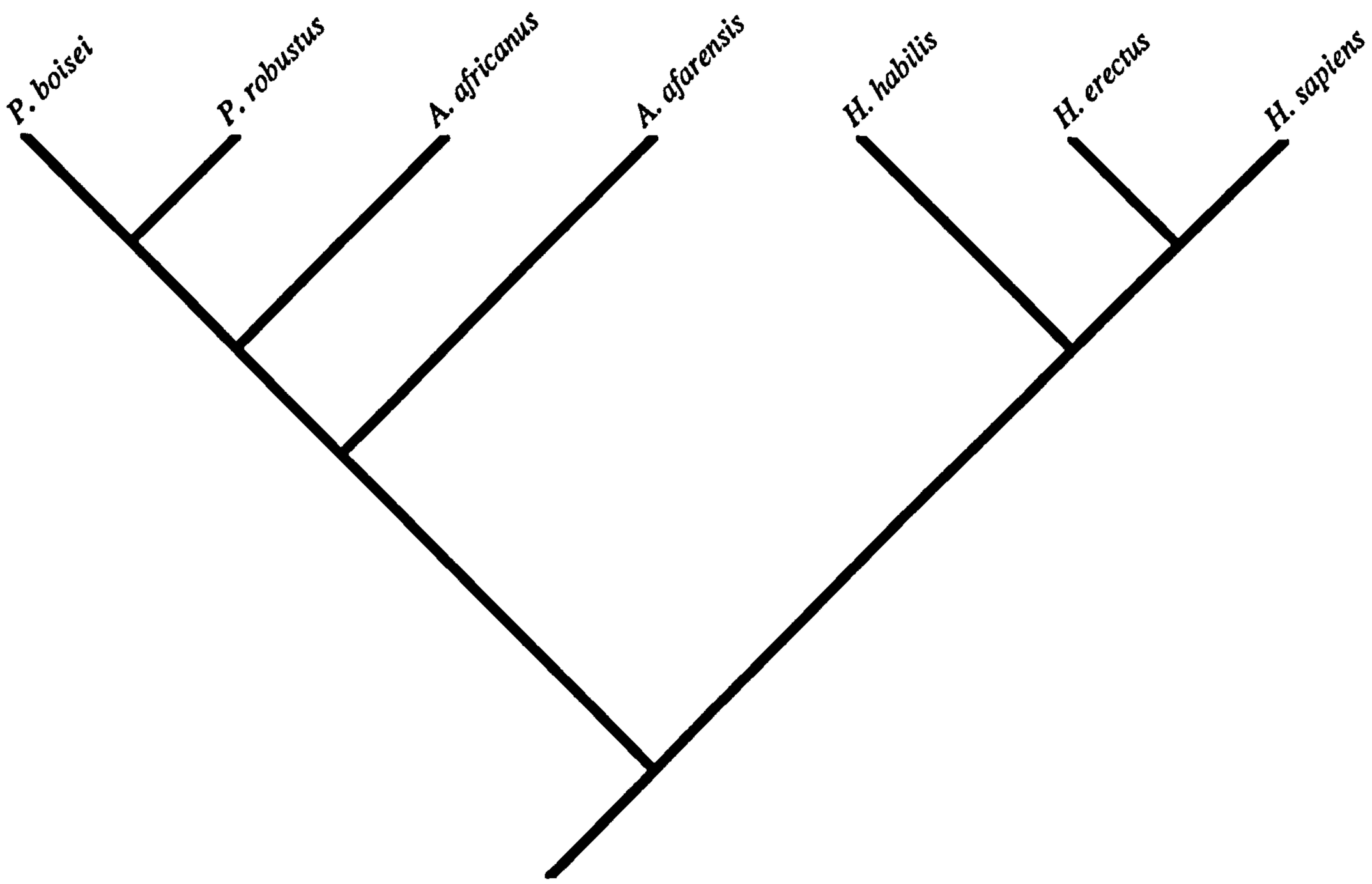


Figure 11. Hominid cladogram favoured by White et al. (1981).

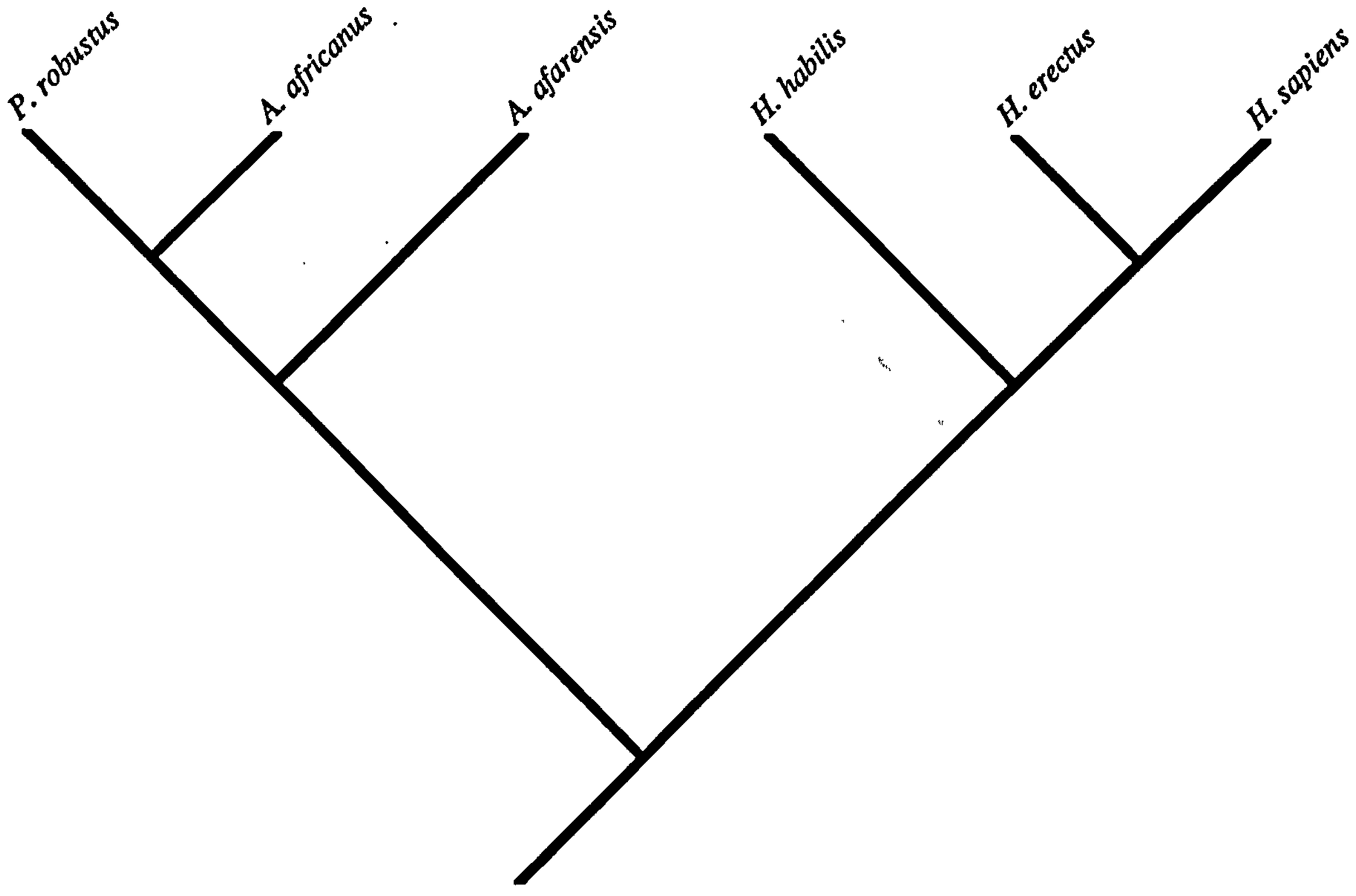


Figure 12. Hominid cladogram favoured by Olson (1981; 1985)

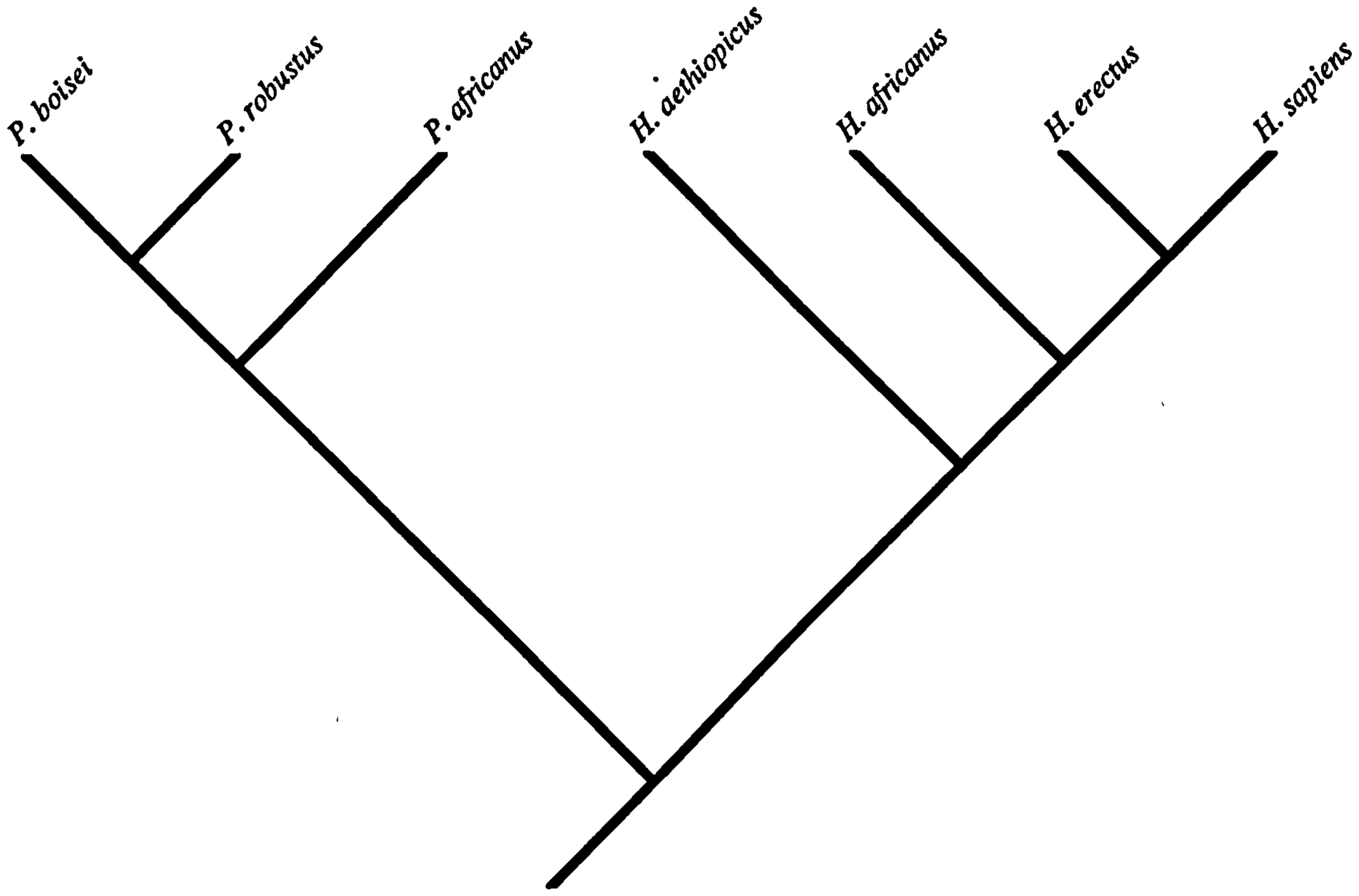


Figure 13. Hominid cladogram favoured by Kimbel et al. (1984).

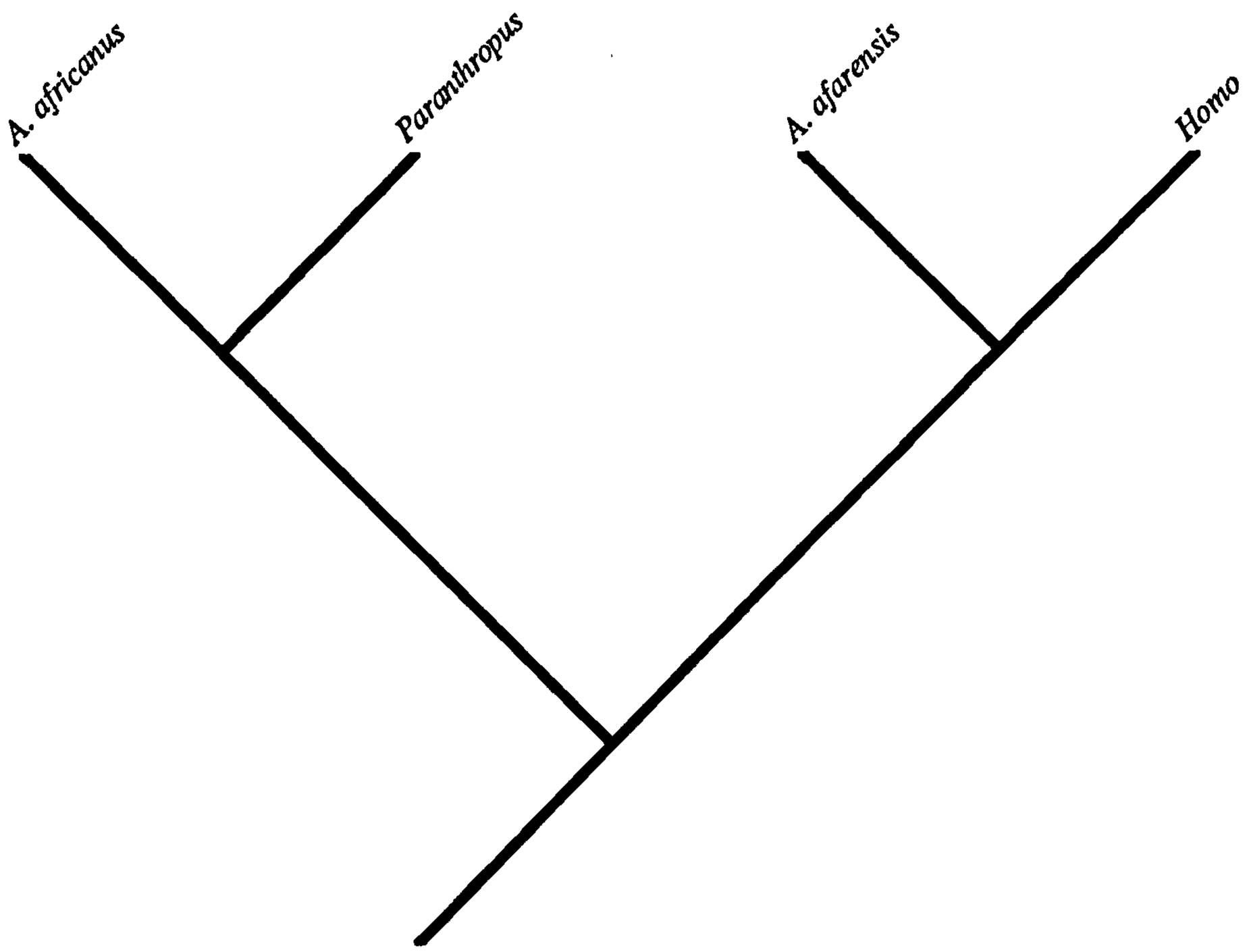


Figure 14. Most parsimonious cladogram obtained in Chamberlain's (1987) re-analysis of Kimbel and colleague's (1984) data.

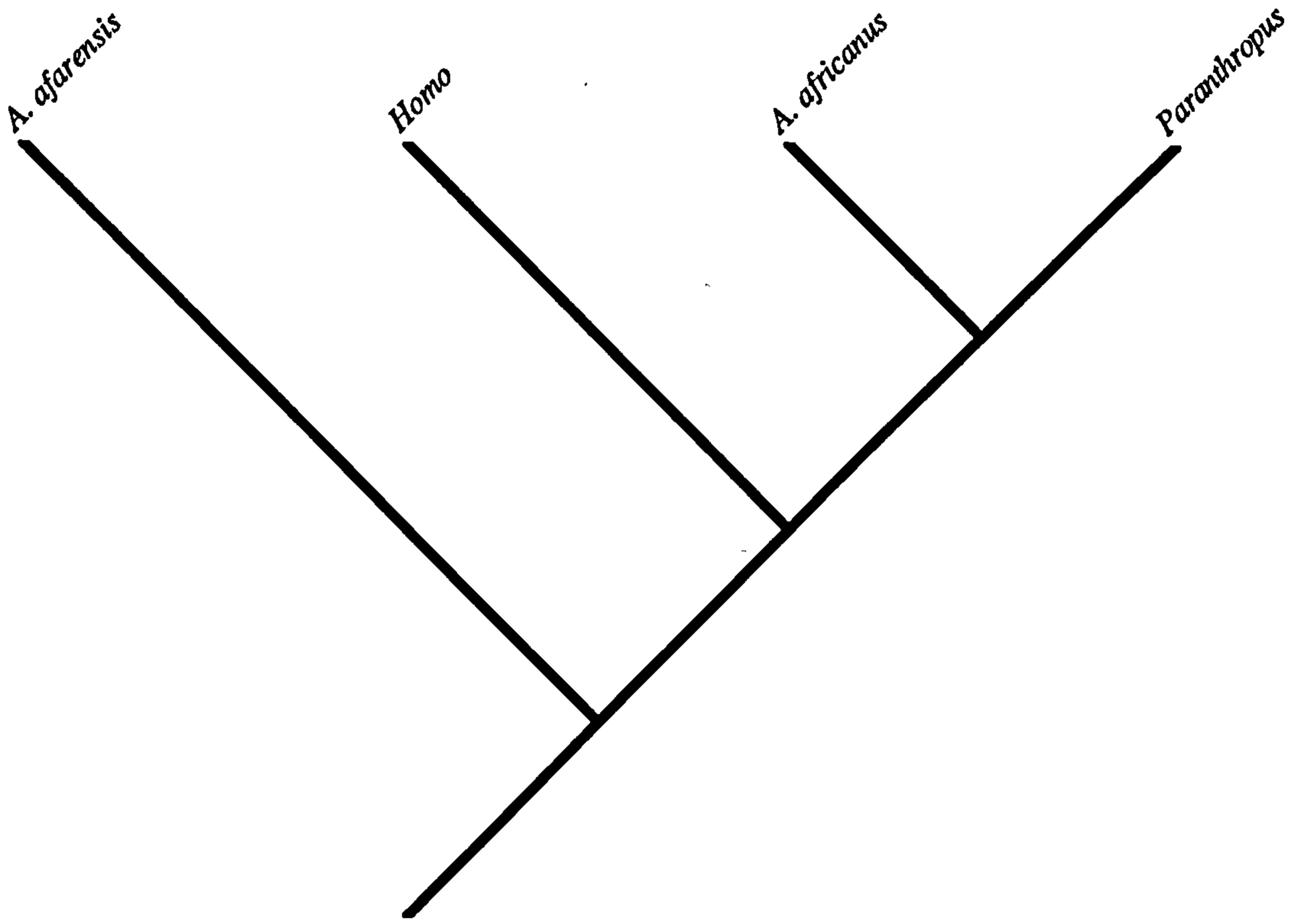


Figure 15. Relationships implied by Dean's (1986) analysis of hominid dental and cranial base characters.

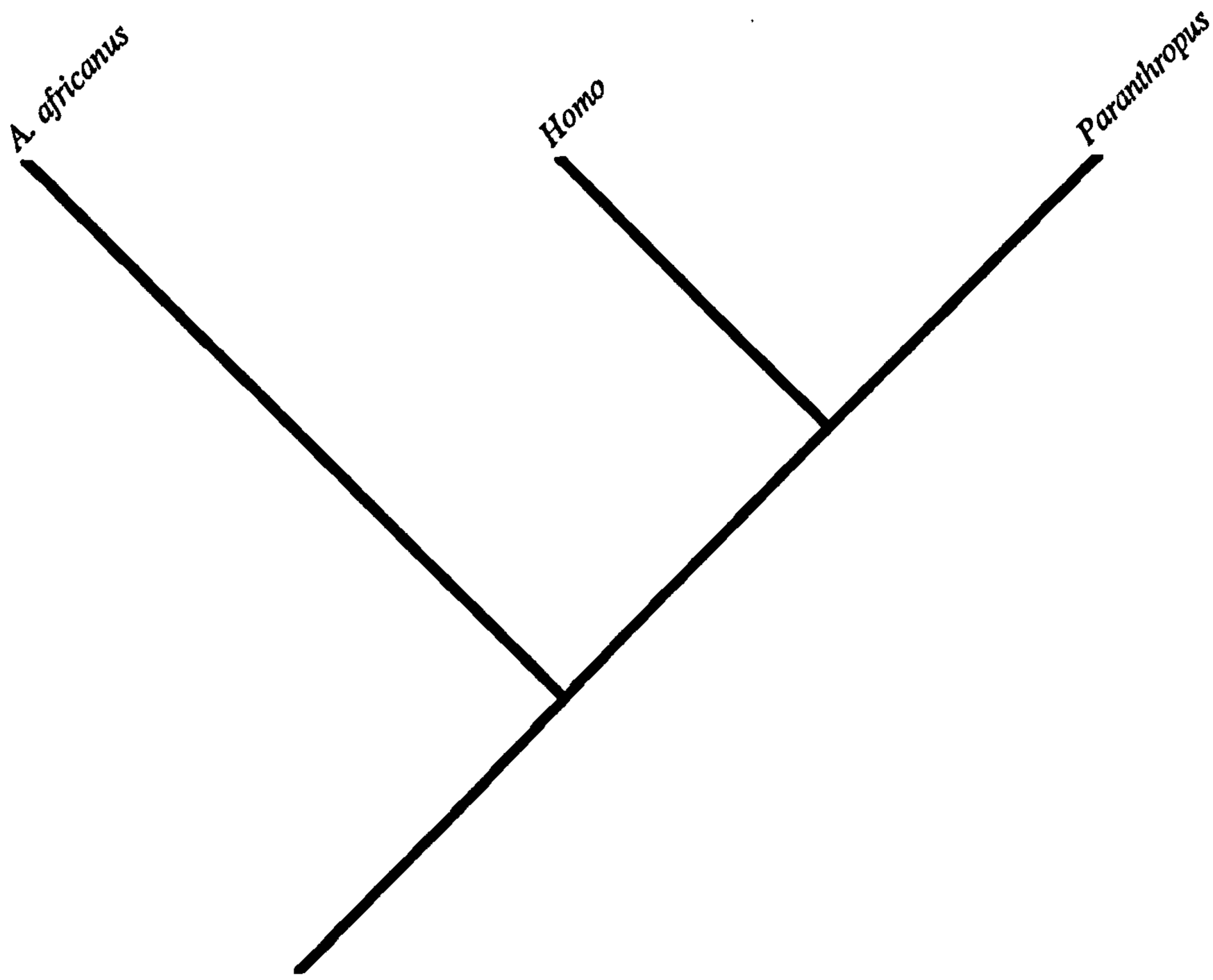


Figure 16. Cladogram favoured in Skelton and colleagues' (1986) compatibility analysis of early hominid craniodental data.

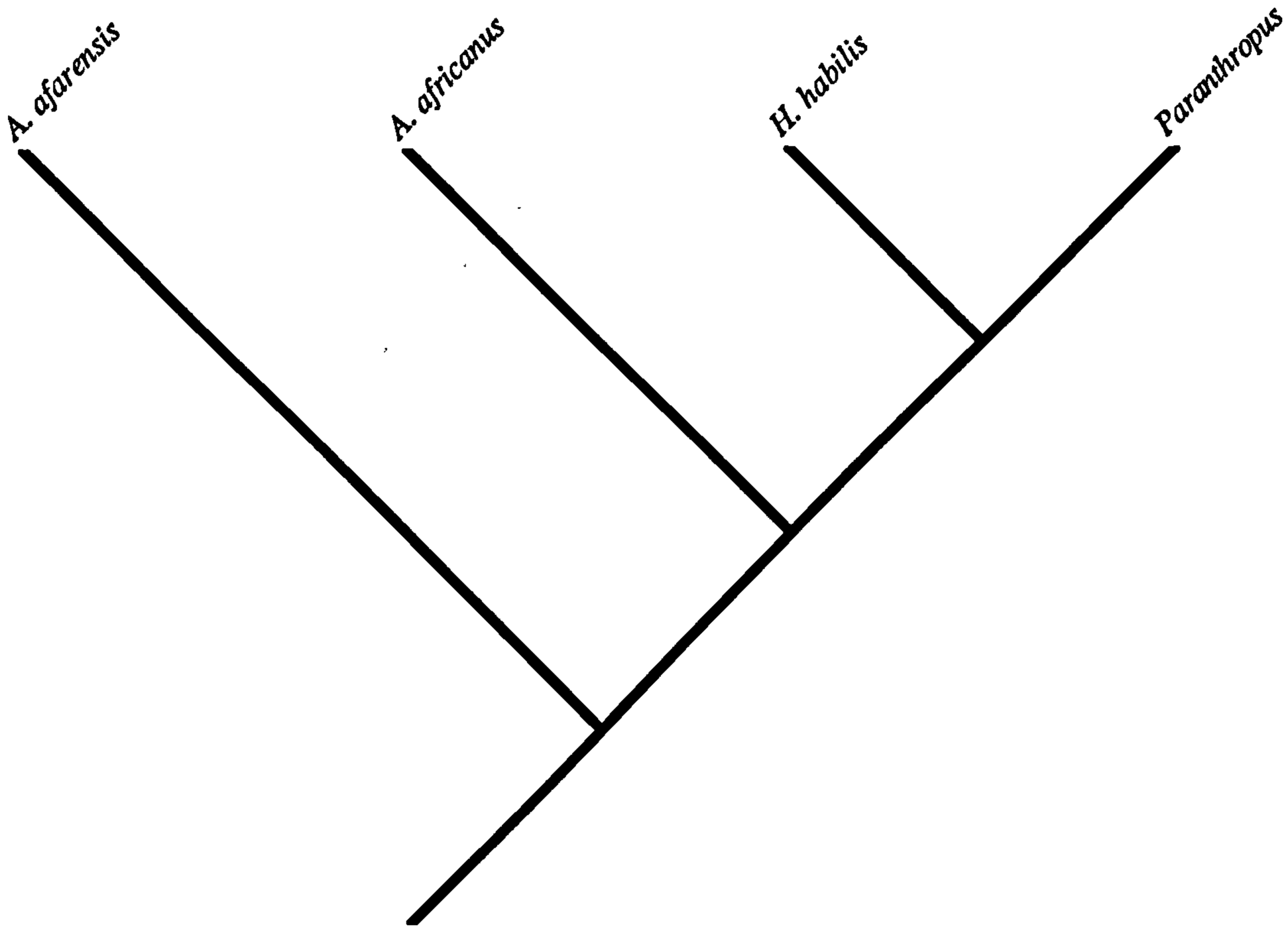


Figure 17. Cladogram favoured in Wood and Chamberlain's (1986) analysis of hominid cranial data

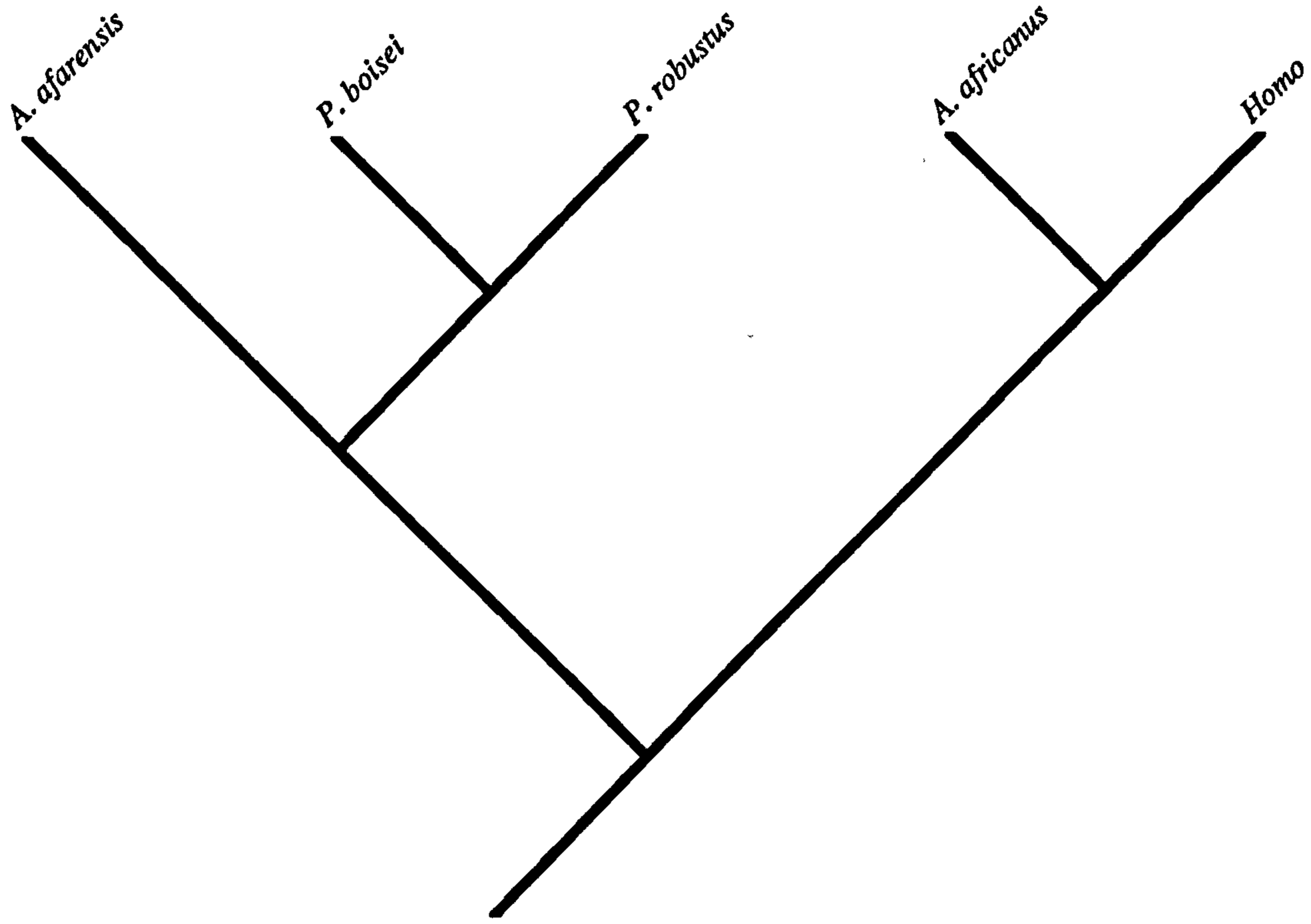


Figure 18. Cladogram favoured in Wood and Chamberlain's (1986) analysis of hominid cranial data.

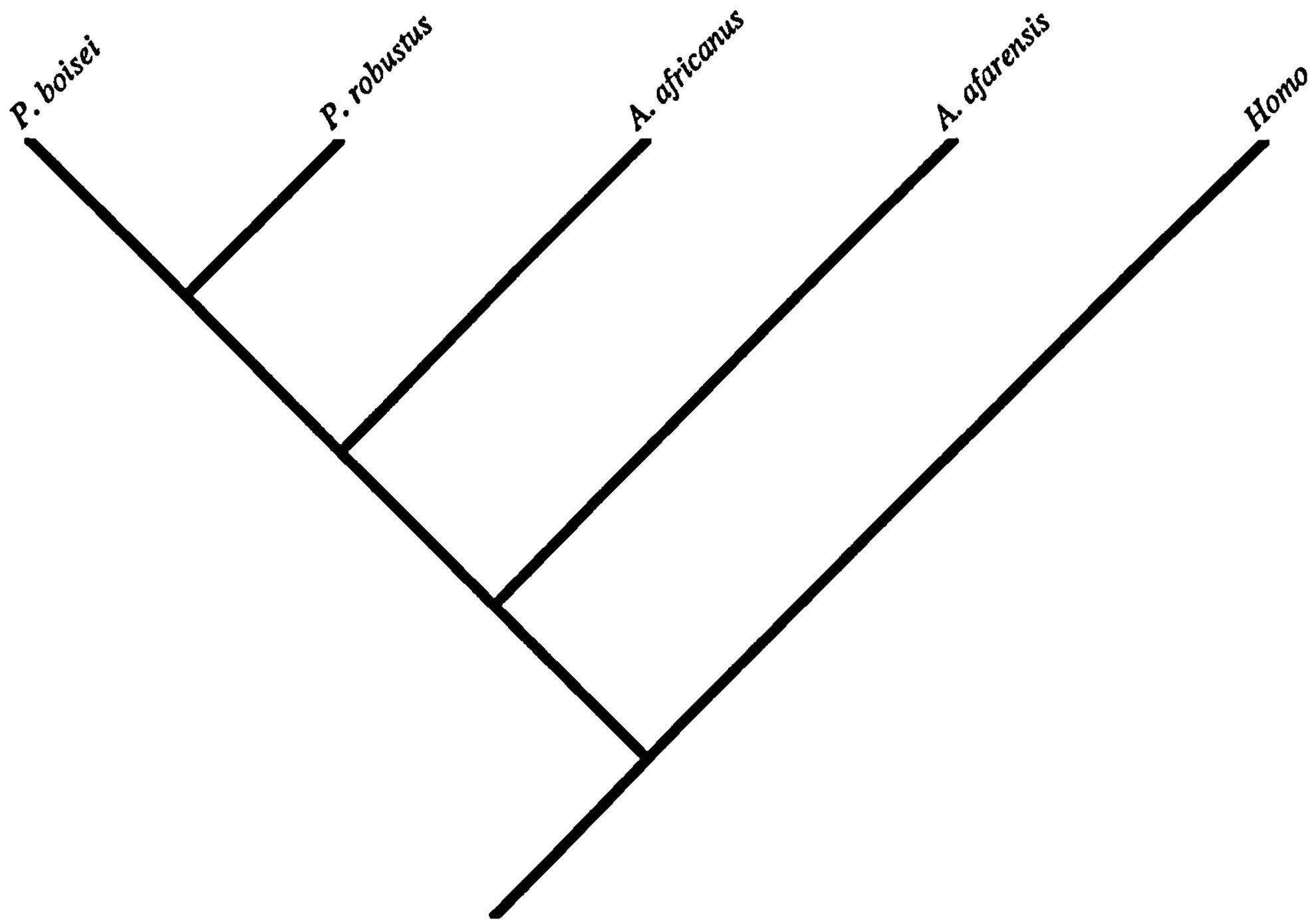


Figure 19. Most parsimonious cladogram recovered in Stringer's (1987) parsimony analysis of *Homo*.

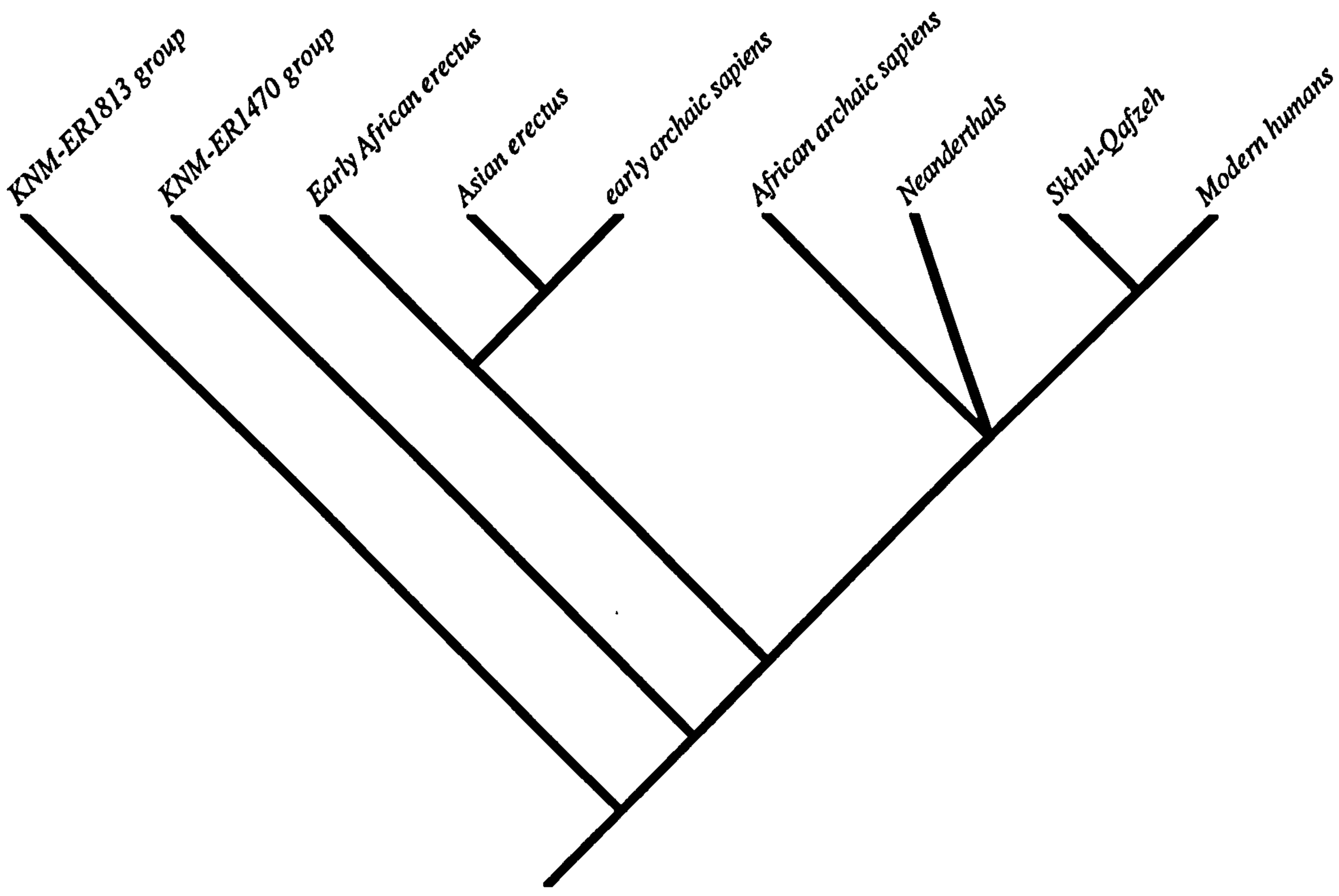


Figure 20. Most parsimonious cladogram recovered in Chamberlain and Wood's (1987) parsimony analysis of hominid craniometric data in which conventional taxon definitions were used.

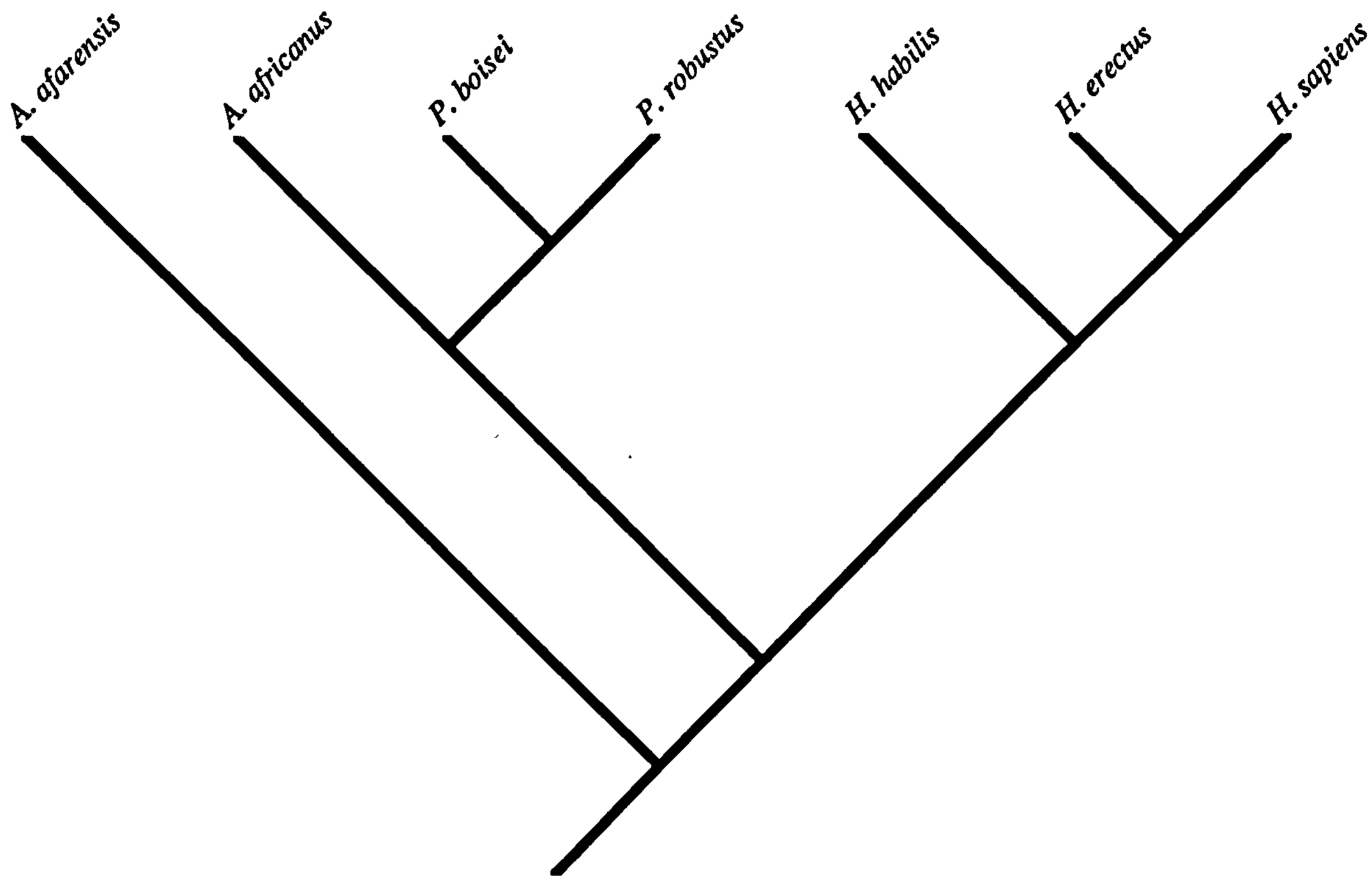


Figure 21. Most parsimonious cladogram recovered in Chamberlain and Wood's (1987) parsimony analysis of hominid craniometric data in which the hypodigm of *H. habilis* was divided as per Stringer (1987).

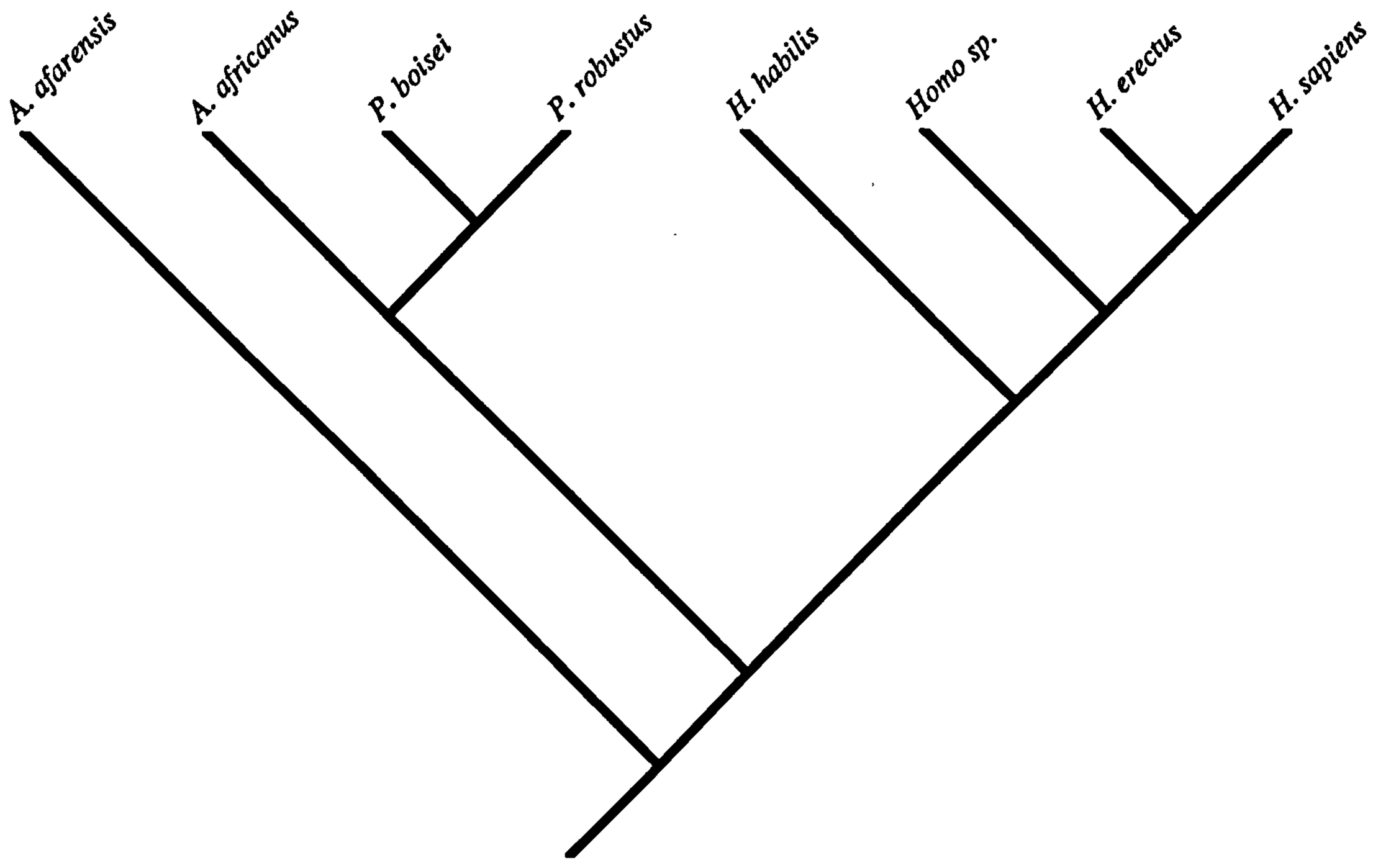


Figure 22. Most parsimonious cladogram recovered in Chamberlain and Wood's (1987) parsimony analysis of hominid craniometric data in which the hypodigm of *H. habilis* was divided as per Chamberlain (1987).

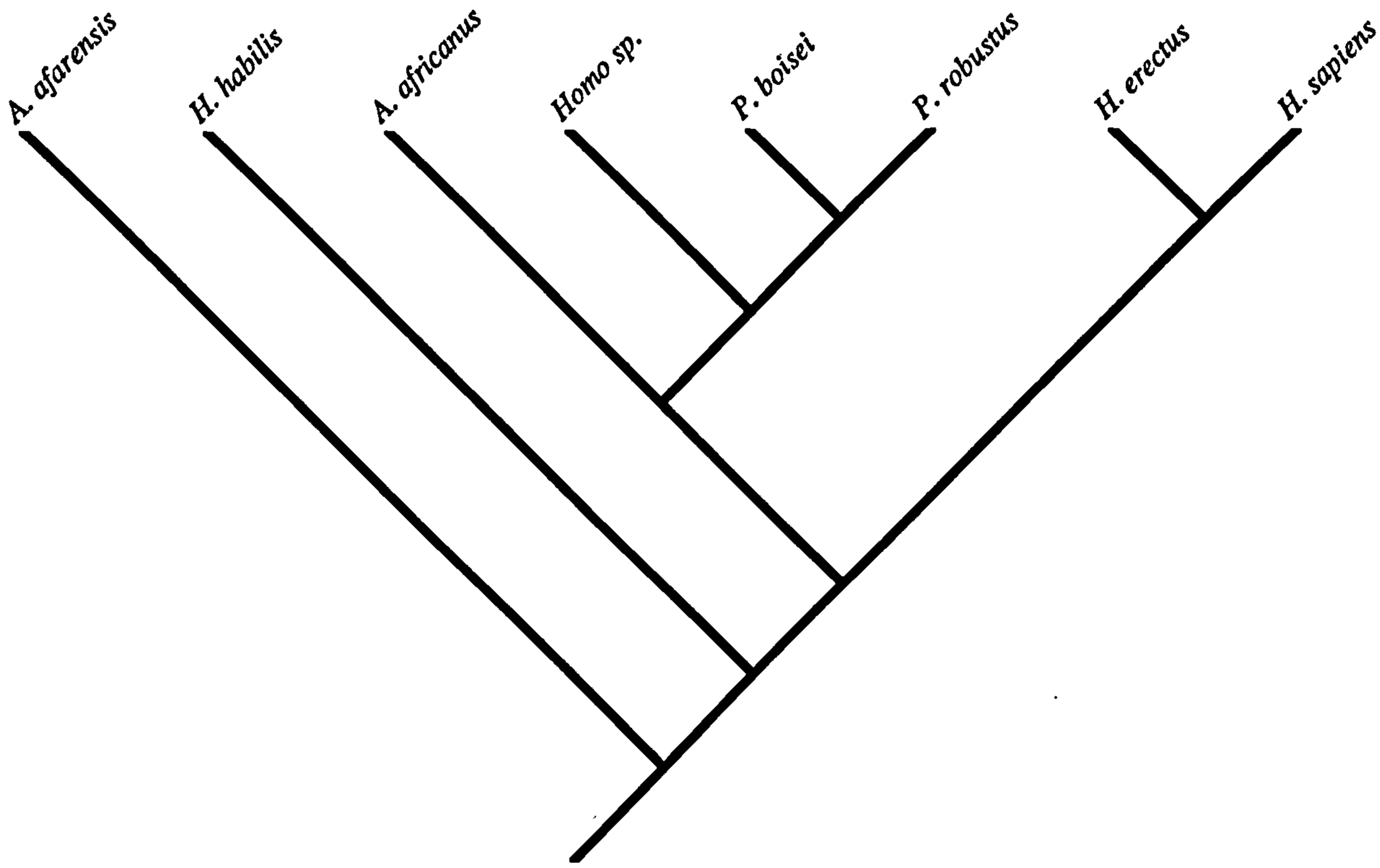


Figure 23. Most parsimonious cladogram recovered in Wood's (1988) re-analysis of Walker and colleagues' (1986) hominid data.

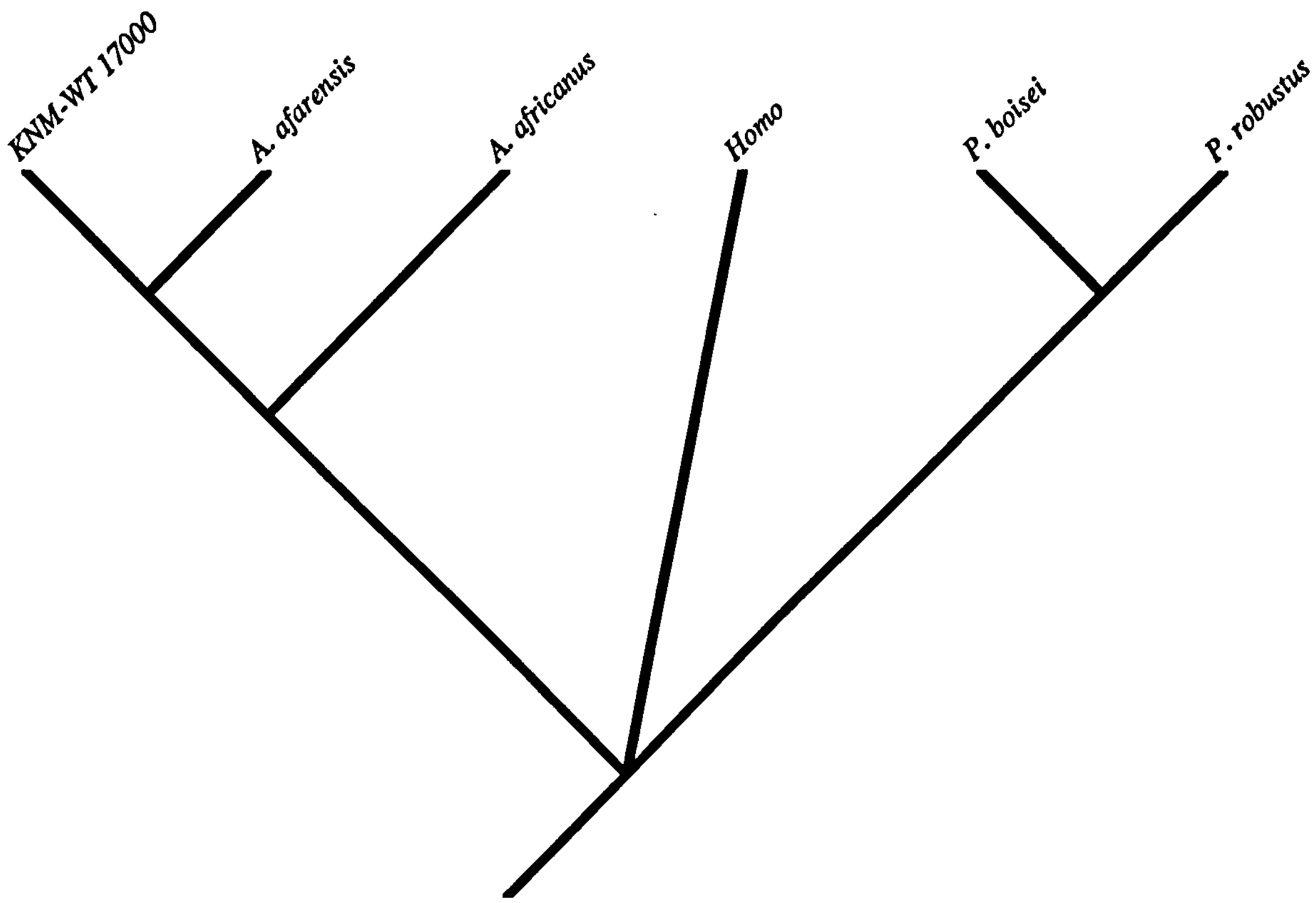


Figure 24. Most parsimonious cladogram recovered in Wood's (1988) re-analysis of Wood and Chamberlain's (1986) hominid data.

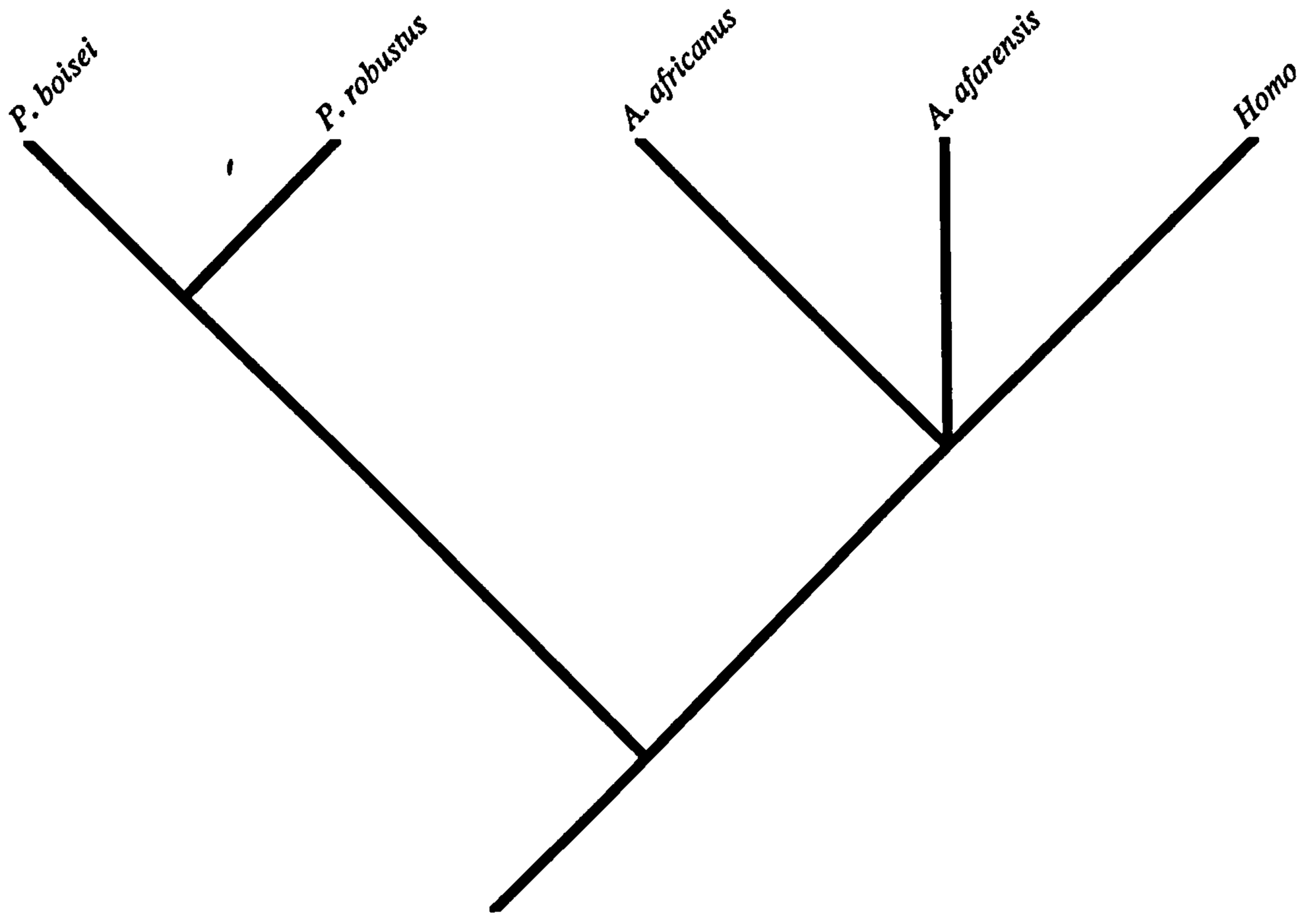


Figure 25. First of three equally parsimonious cladograms recovered in Wood's (1988) re-analysis of Chamberlain and Wood's (1987) hominid data.

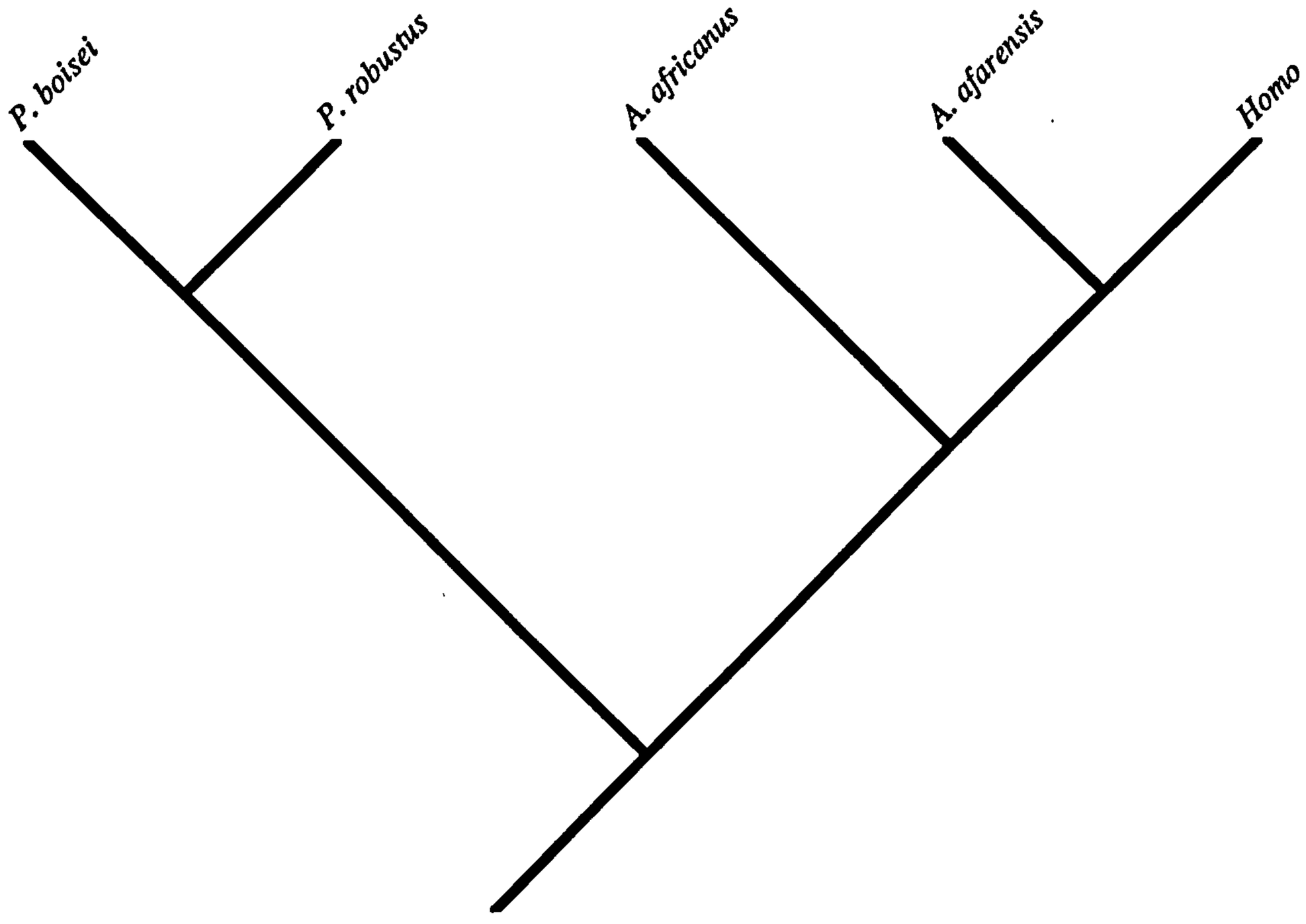


Figure 26. Second of three equally parsimonious cladograms recovered in Wood's (1988) re-analysis of Chamberlain and Wood's (1987) hominid data.

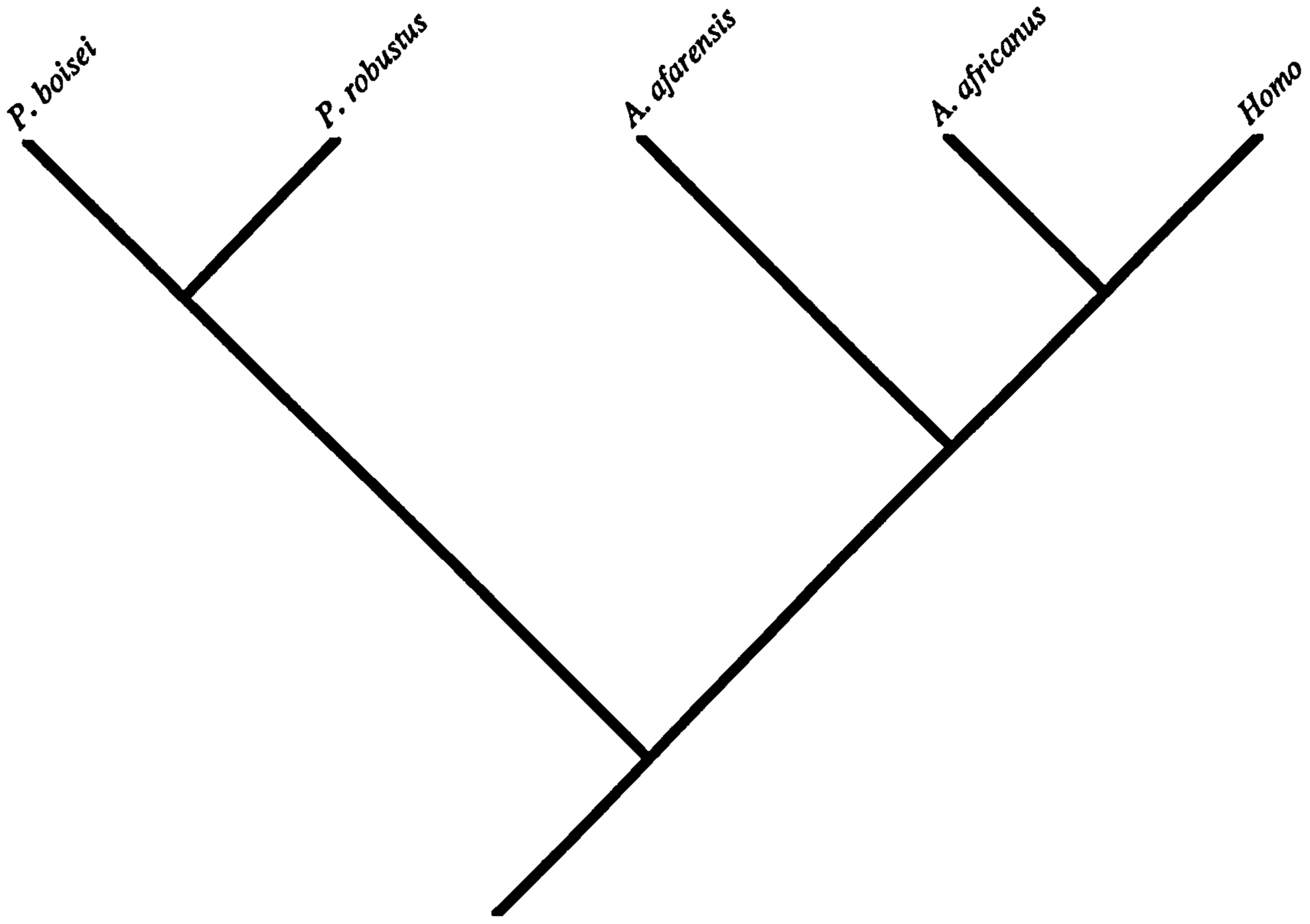


Figure 27. Third of three equally parsimonious cladograms recovered in Wood's (1988) re-analysis of Chamberlain and Wood's (1987) hominid data.

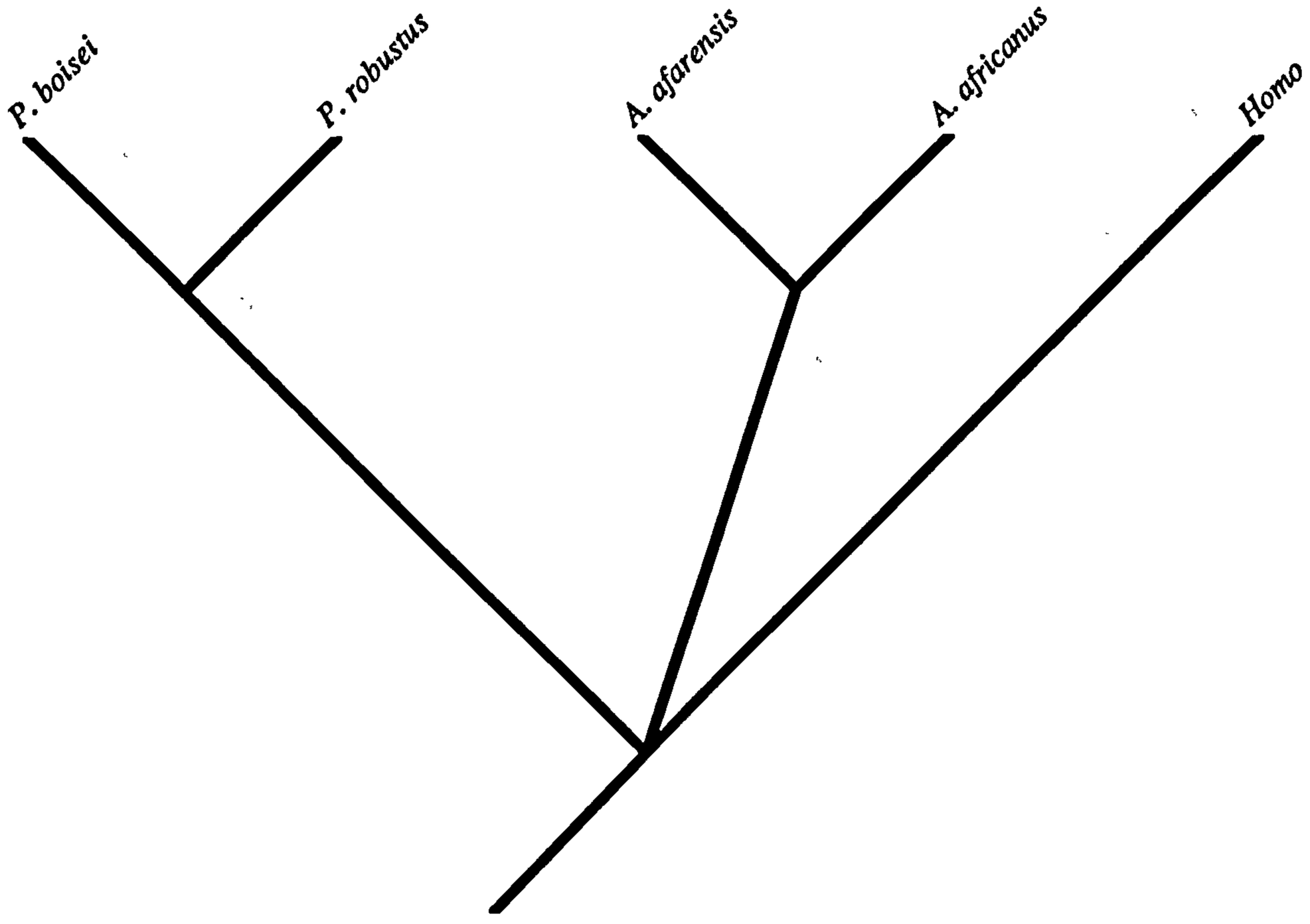


Figure 28. Most parsimonious cladograms recovered in Grove's (1989) analysis of hominid data

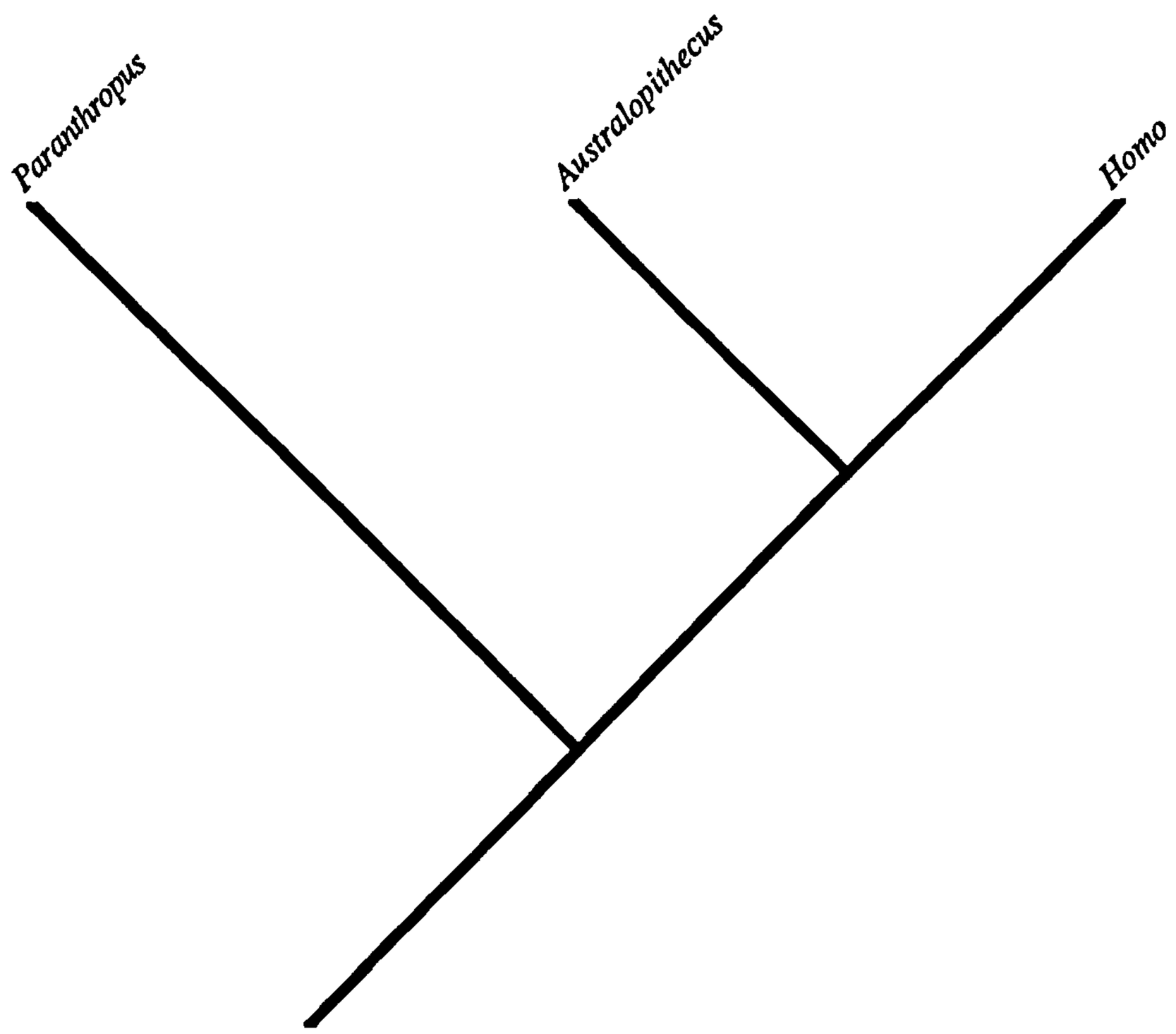


Figure 29. Most parsimonious cladogram recovered in Wood's (1991) analysis of hominid craniometric data.

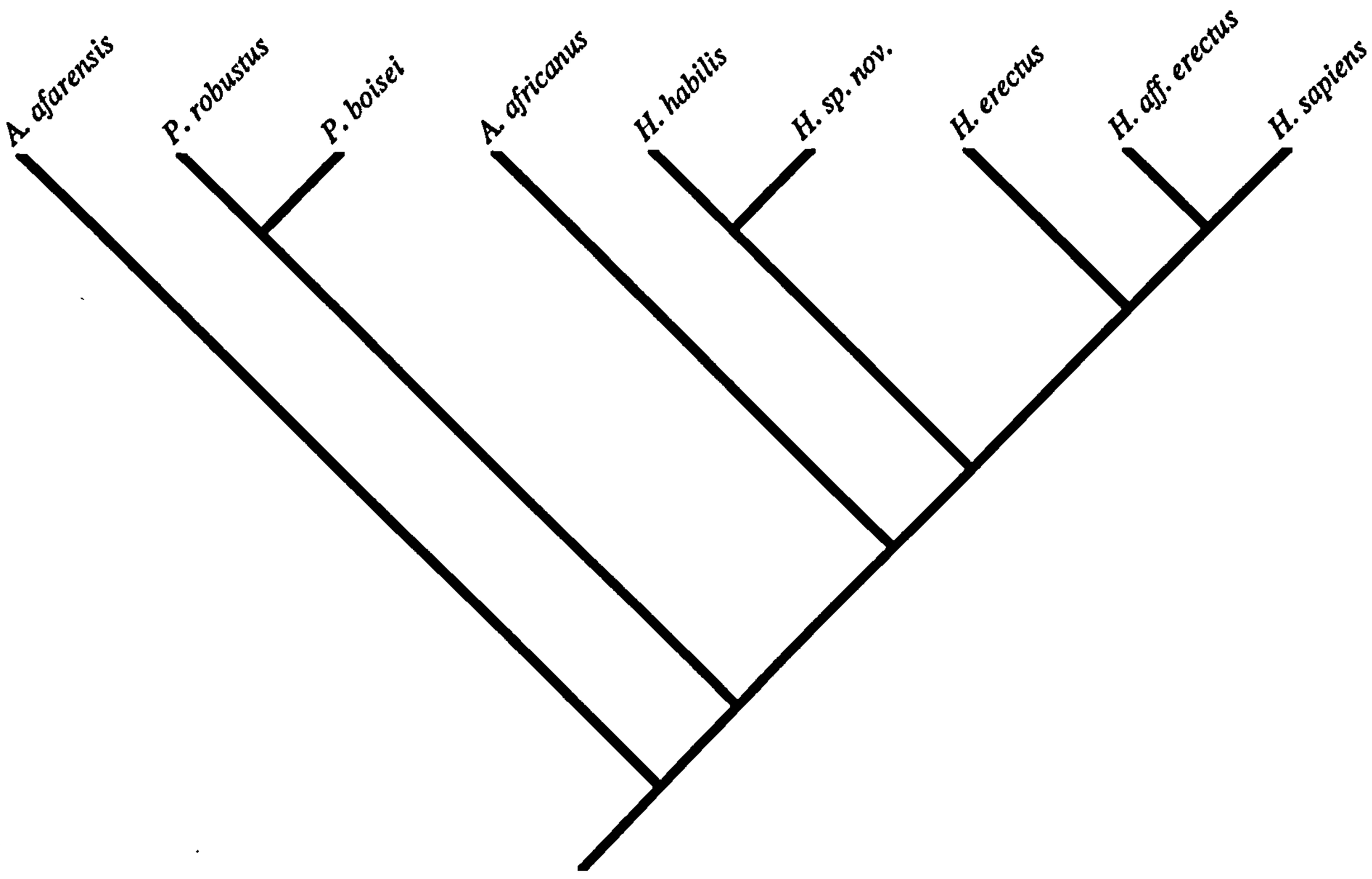


Figure 30. Hominid cladogram favoured by Skelton and McHenry (1992).

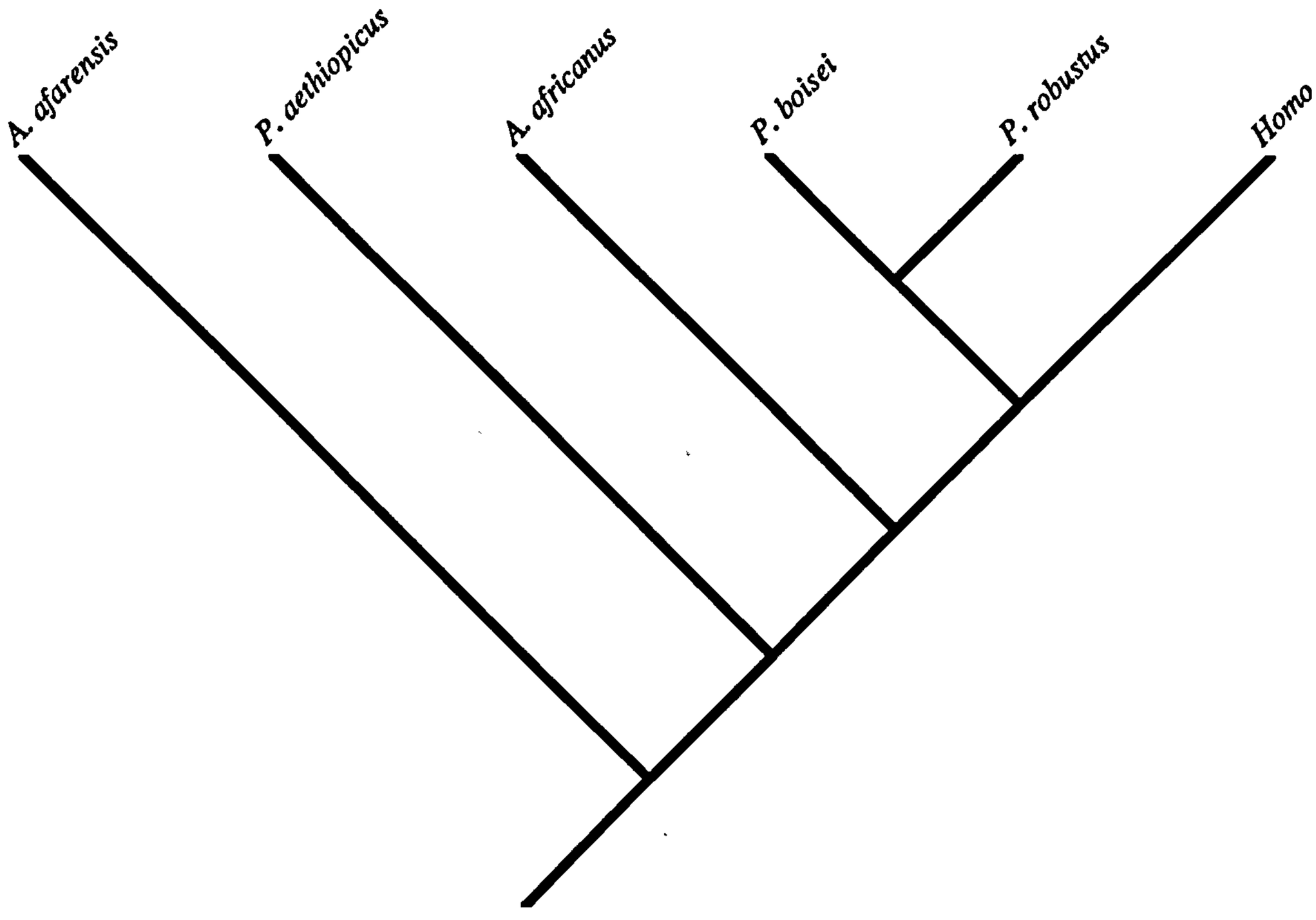


Figure 31. Most parsimonious cladogram for the hominids recovered in Lieberman and colleague's (1996) 'all characters' analysis

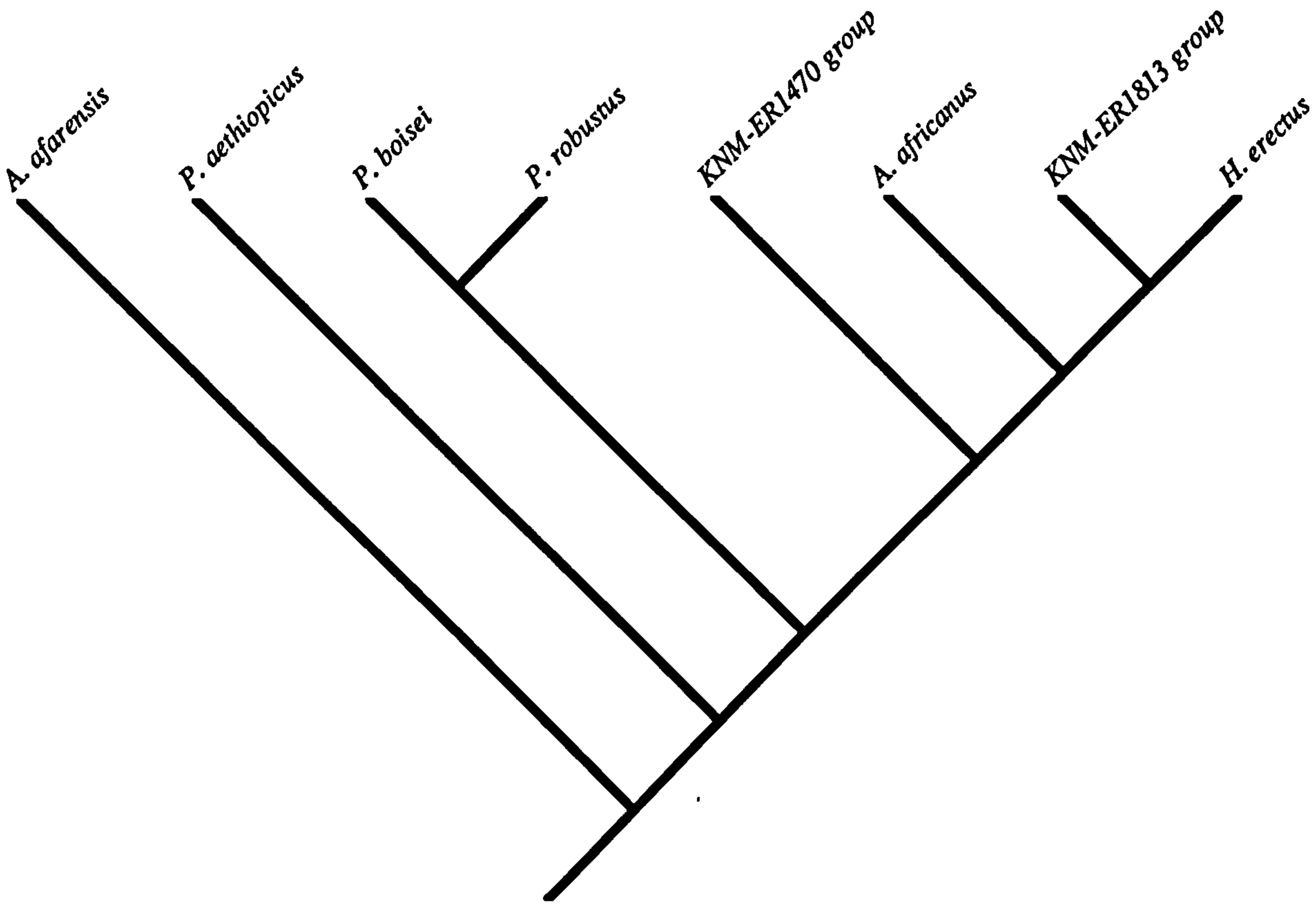


Figure 32. Hominid cladogram favoured by Strait et al. (1997).

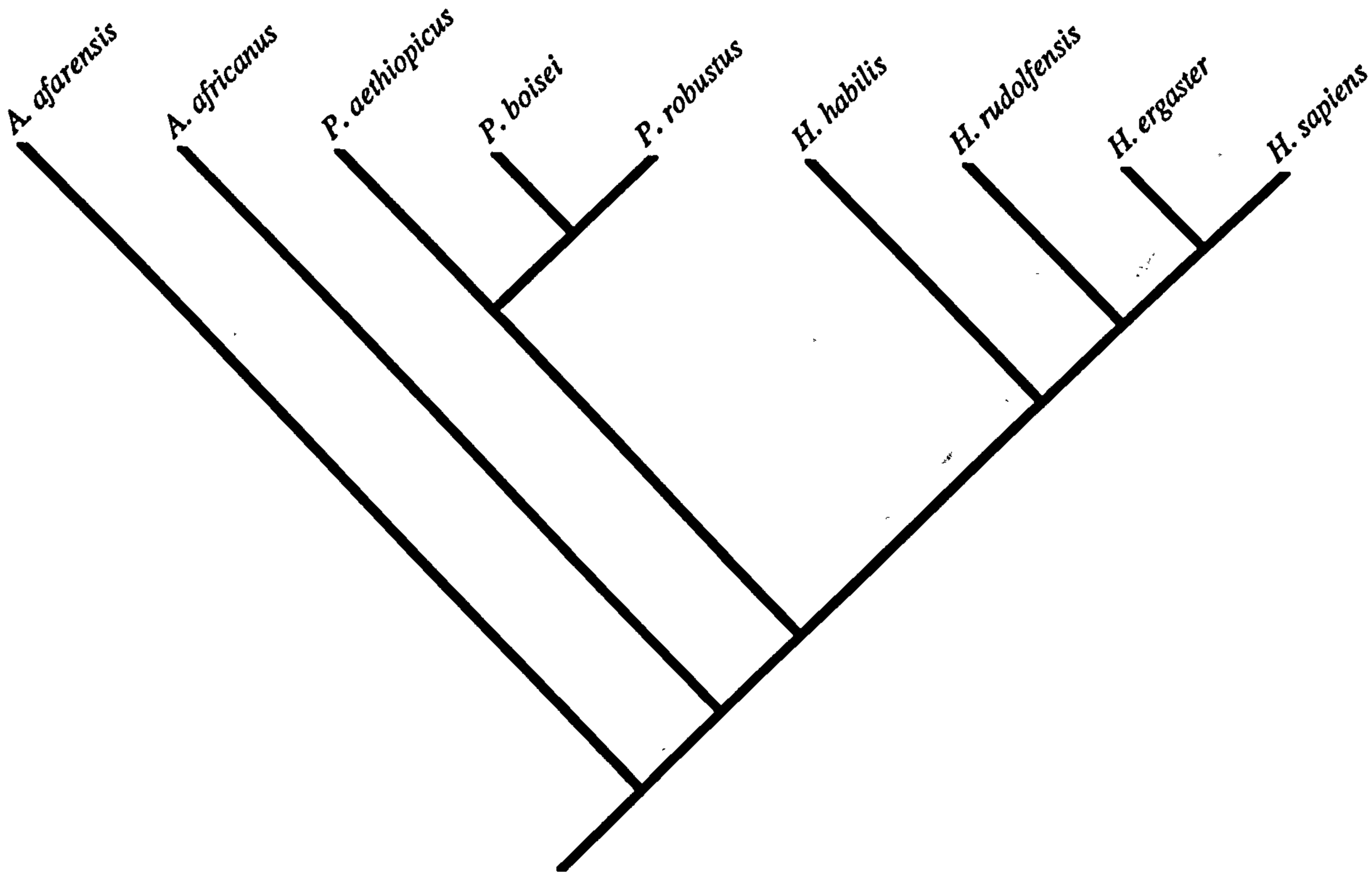


Figure 33. Most parsimonious cladogram recovered in analyses A, E, F, G, I, J and K. One of two equally parsimonious cladograms obtained in analyses C and D. One of three equally parsimonious cladograms retrieved in Analysis B.

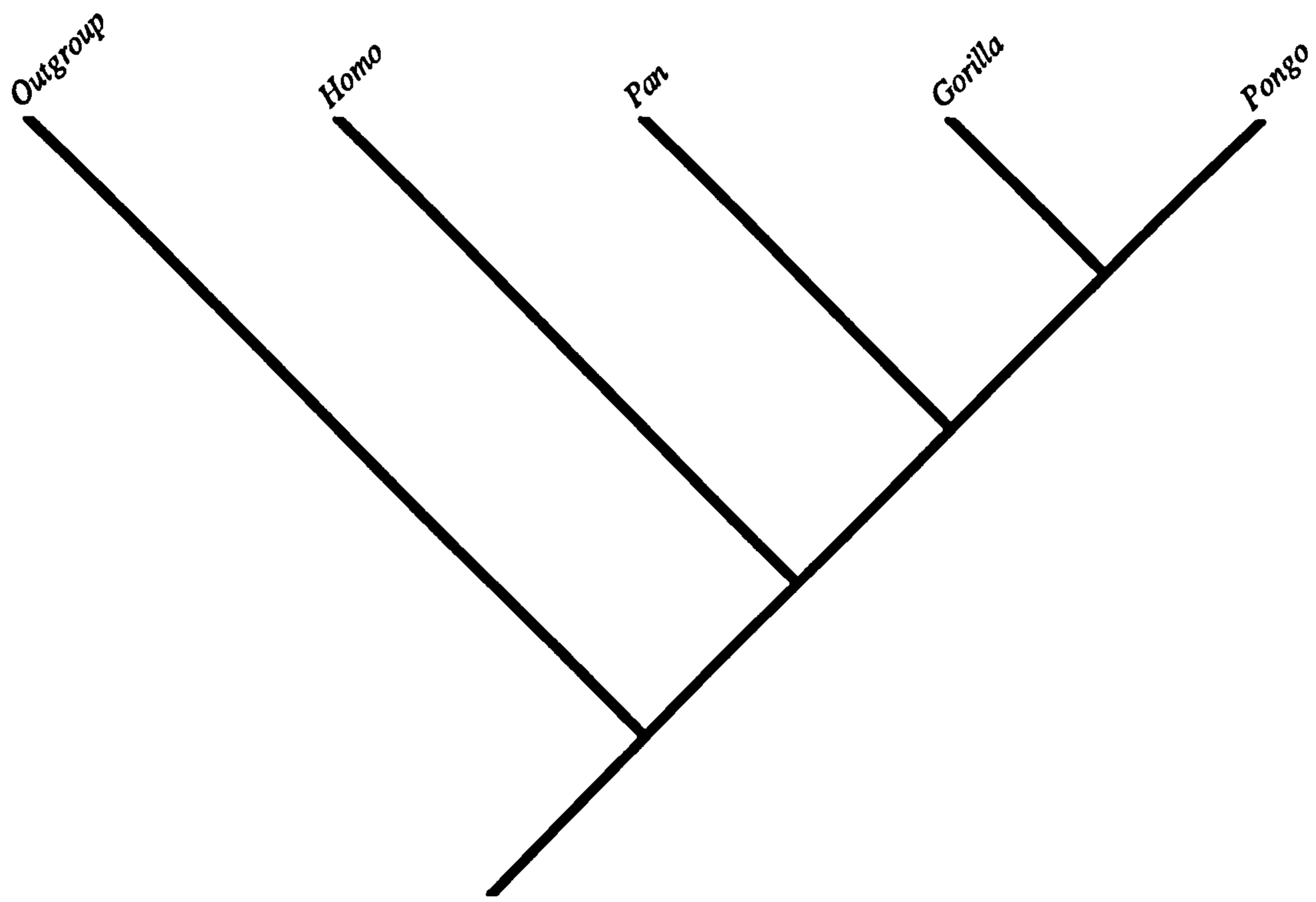


Figure 34. One of three equally parsimonious cladograms recovered in Analysis B.

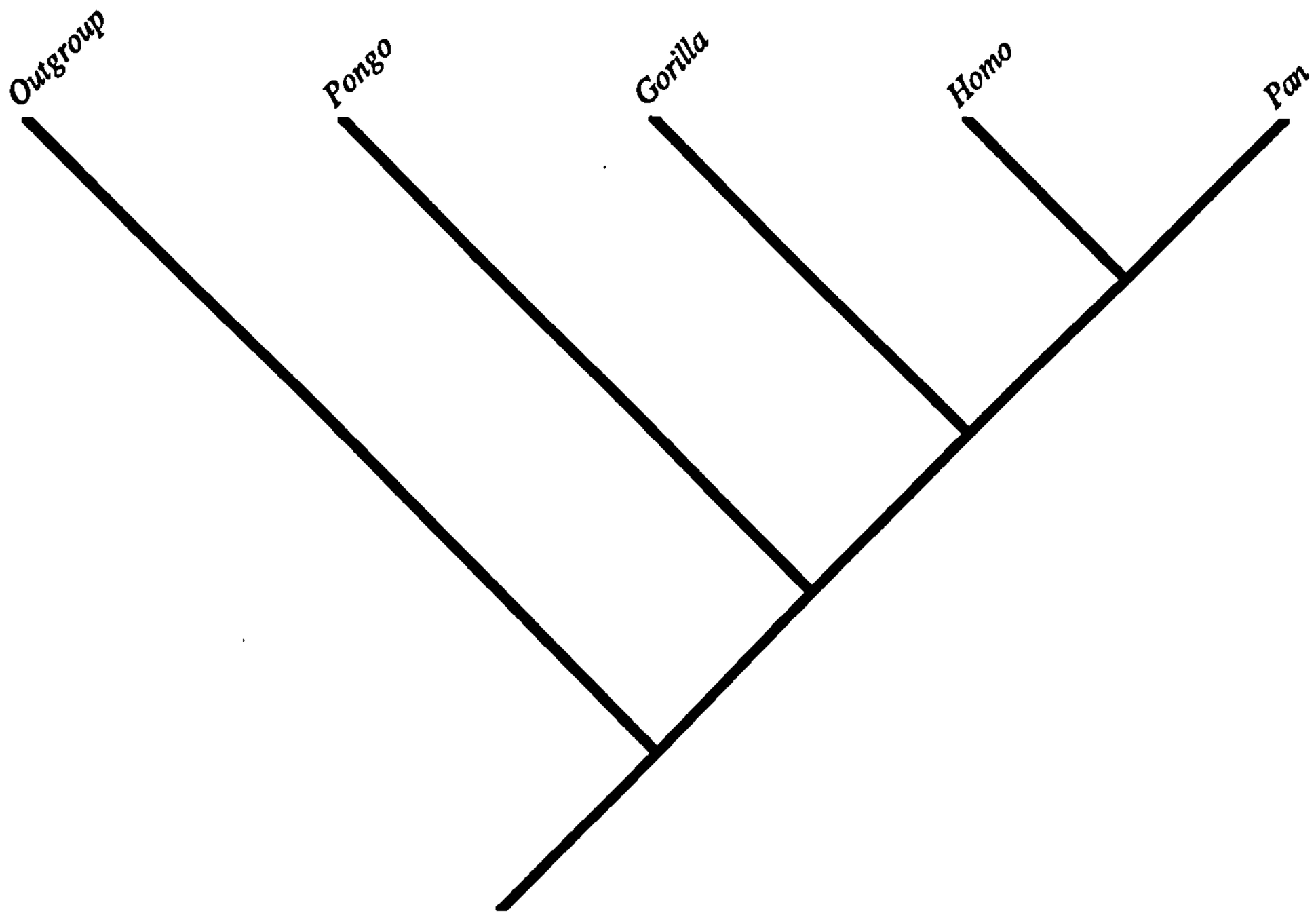


Figure 35. Most parsimonious cladogram recovered in Analysis H. One of two equally parsimonious cladograms obtained in analyses C and D. One of three equally parsimonious cladograms recovered in Analysis B.

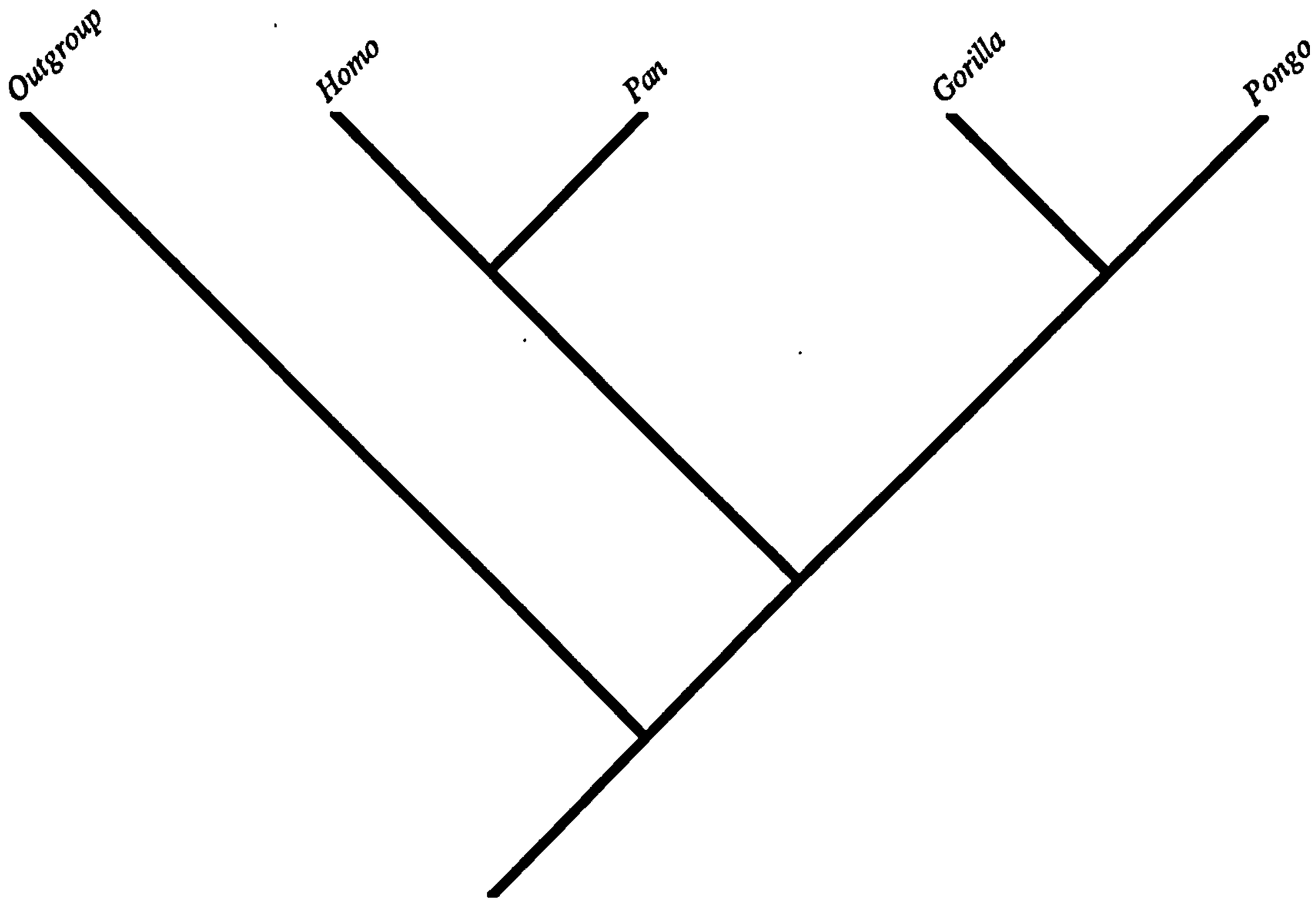


Figure 36. One of three equally parsimonious cladograms recovered in Analysis 1.

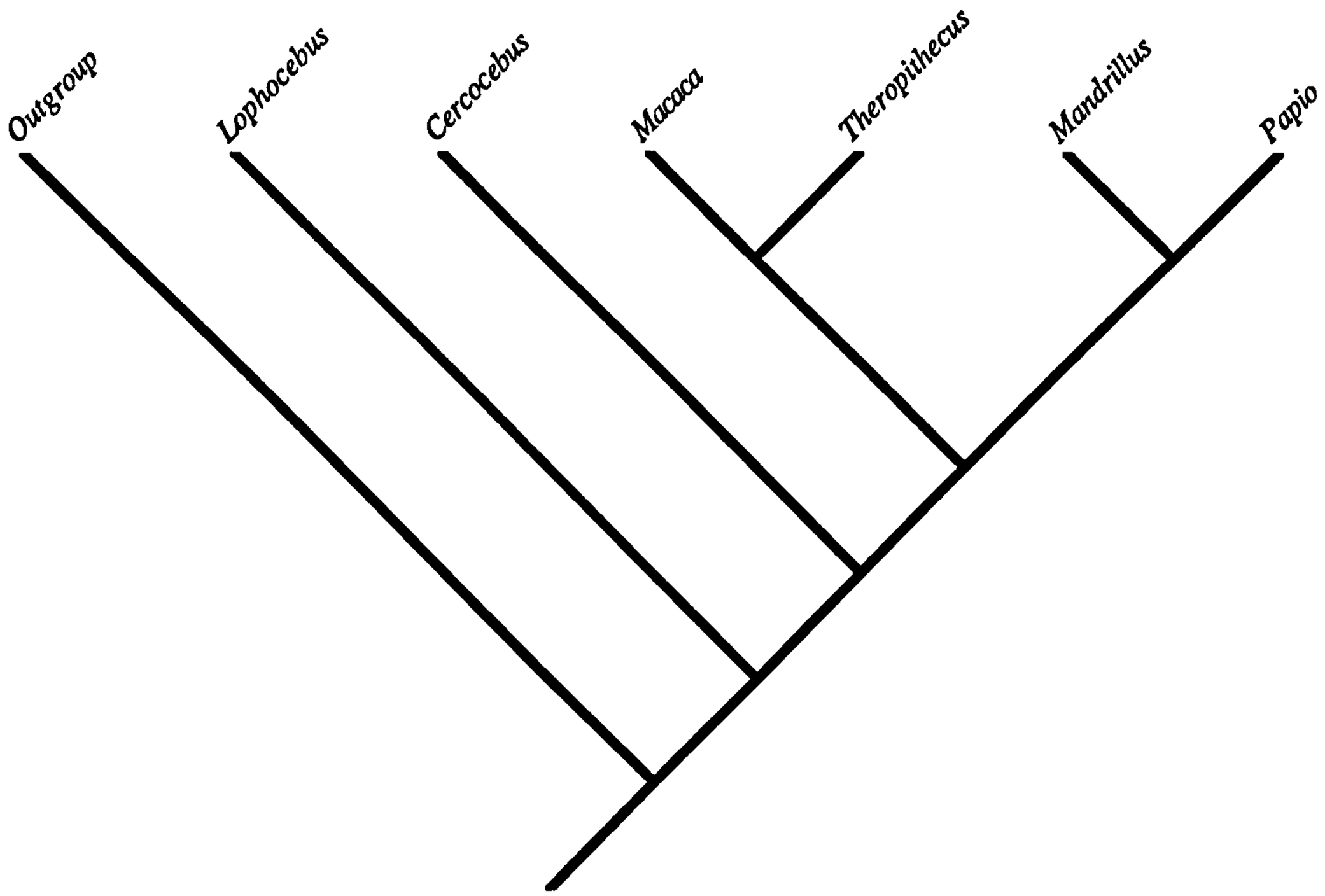


Figure 37. One of three equally parsimonious cladograms recovered in Analysis 1.

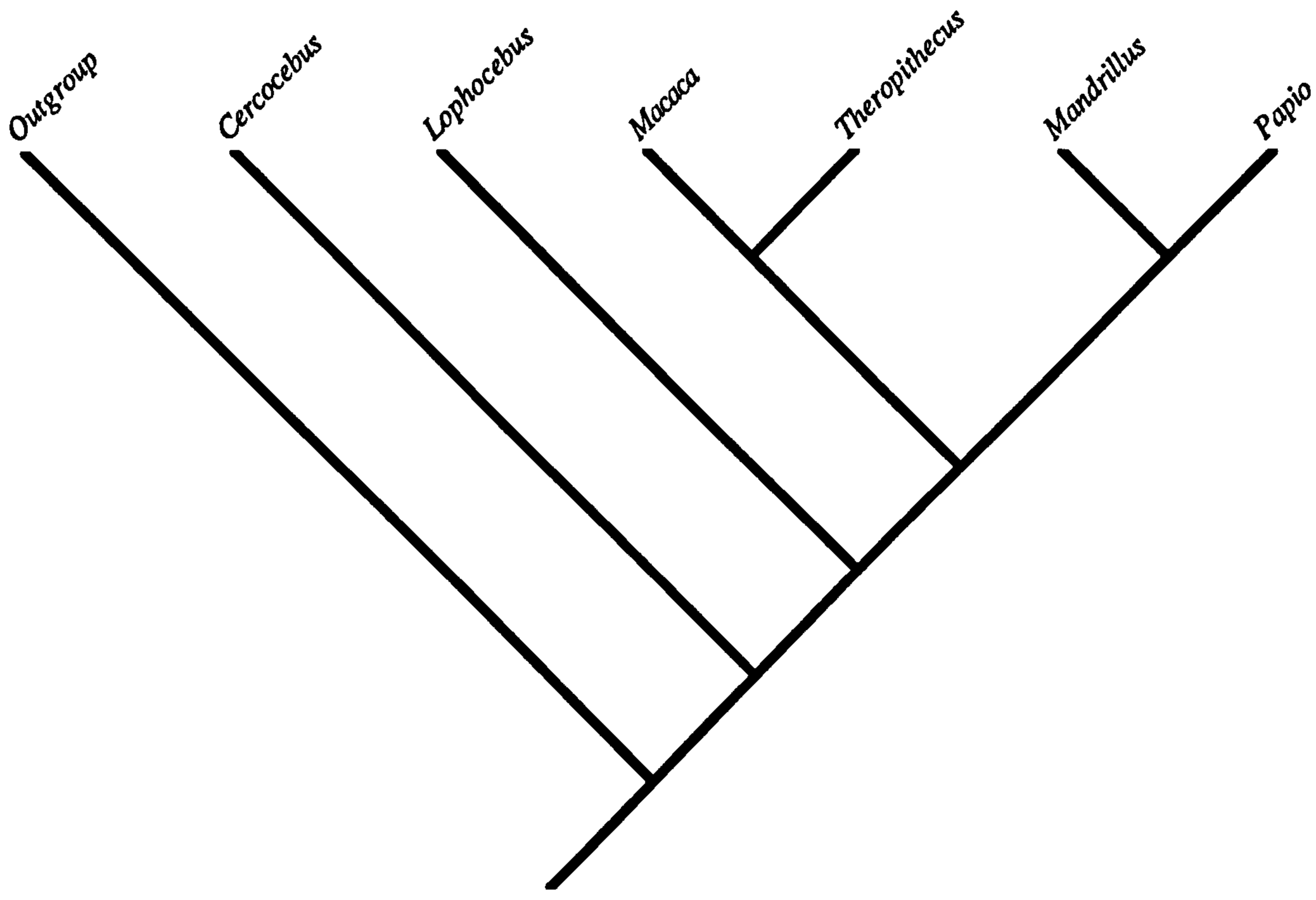


Figure 38. One of three equally parsimonious cladograms recovered in Analysis 1.

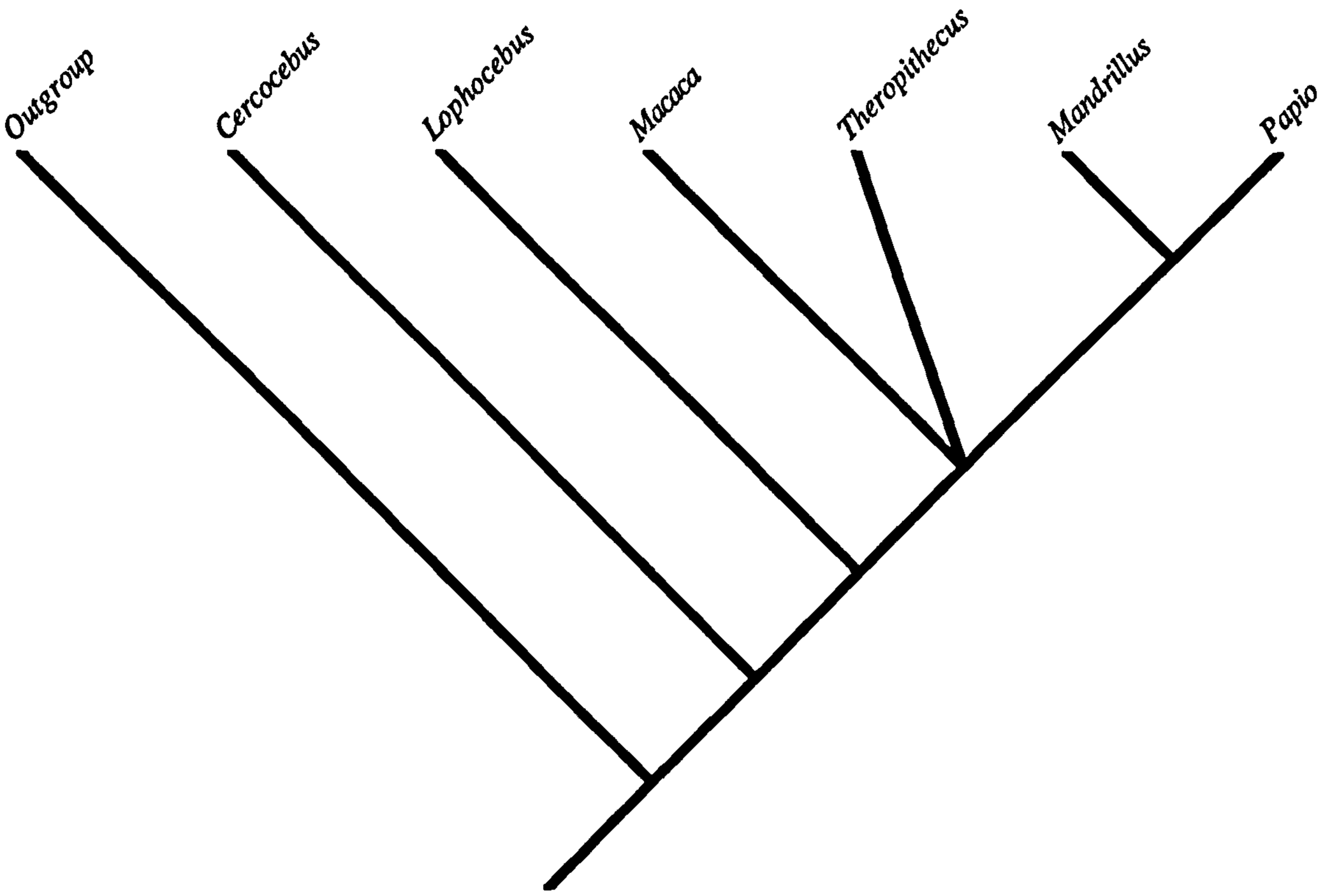


Figure 39. Most parsimonious cladogram recovered in Analysis 2.

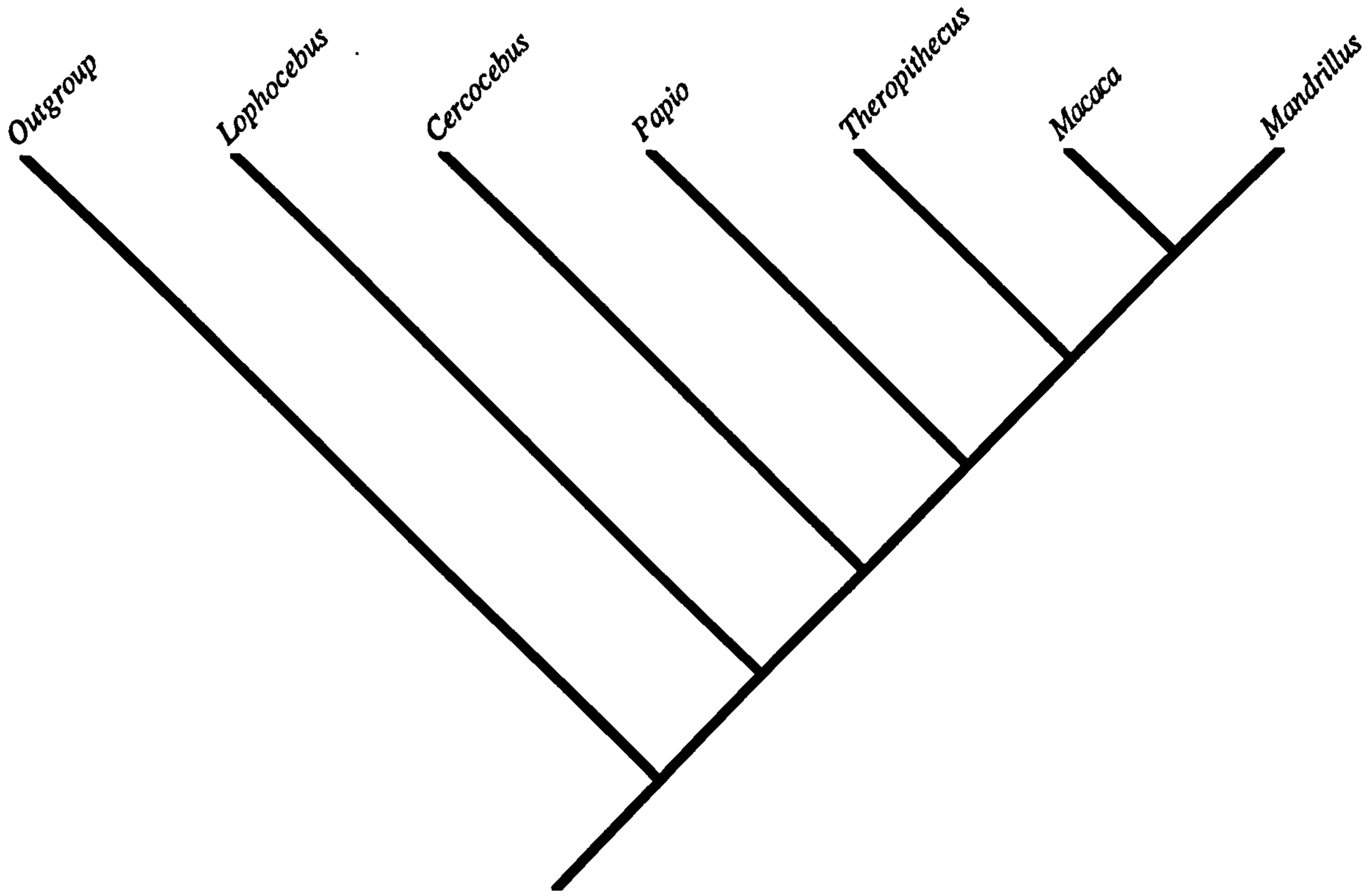


Figure 40. Most parsimonious cladogram recovered in analyses 3, 7 and 8.

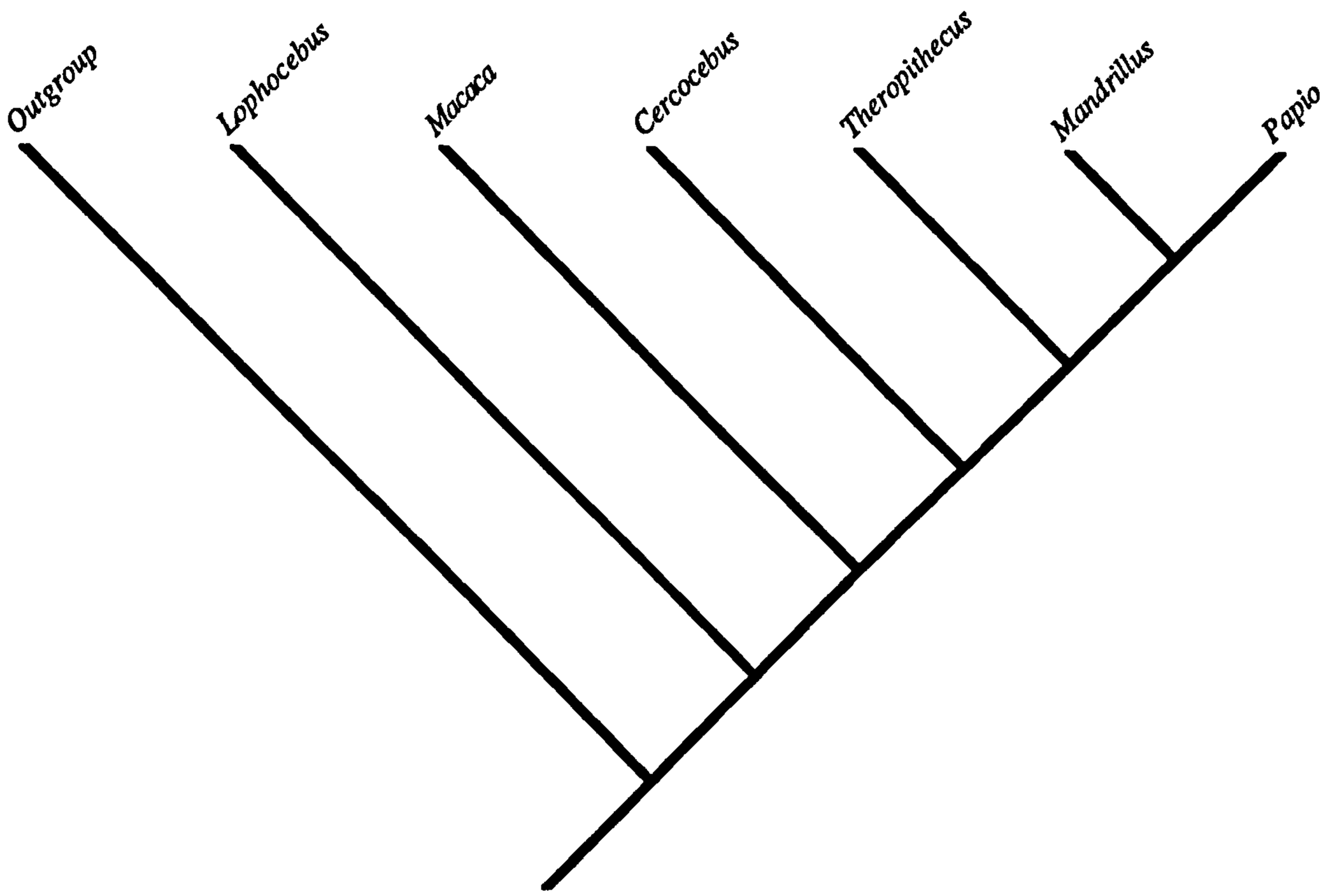


Figure 41. Most parsimonious cladogram recovered in Analysis 4.

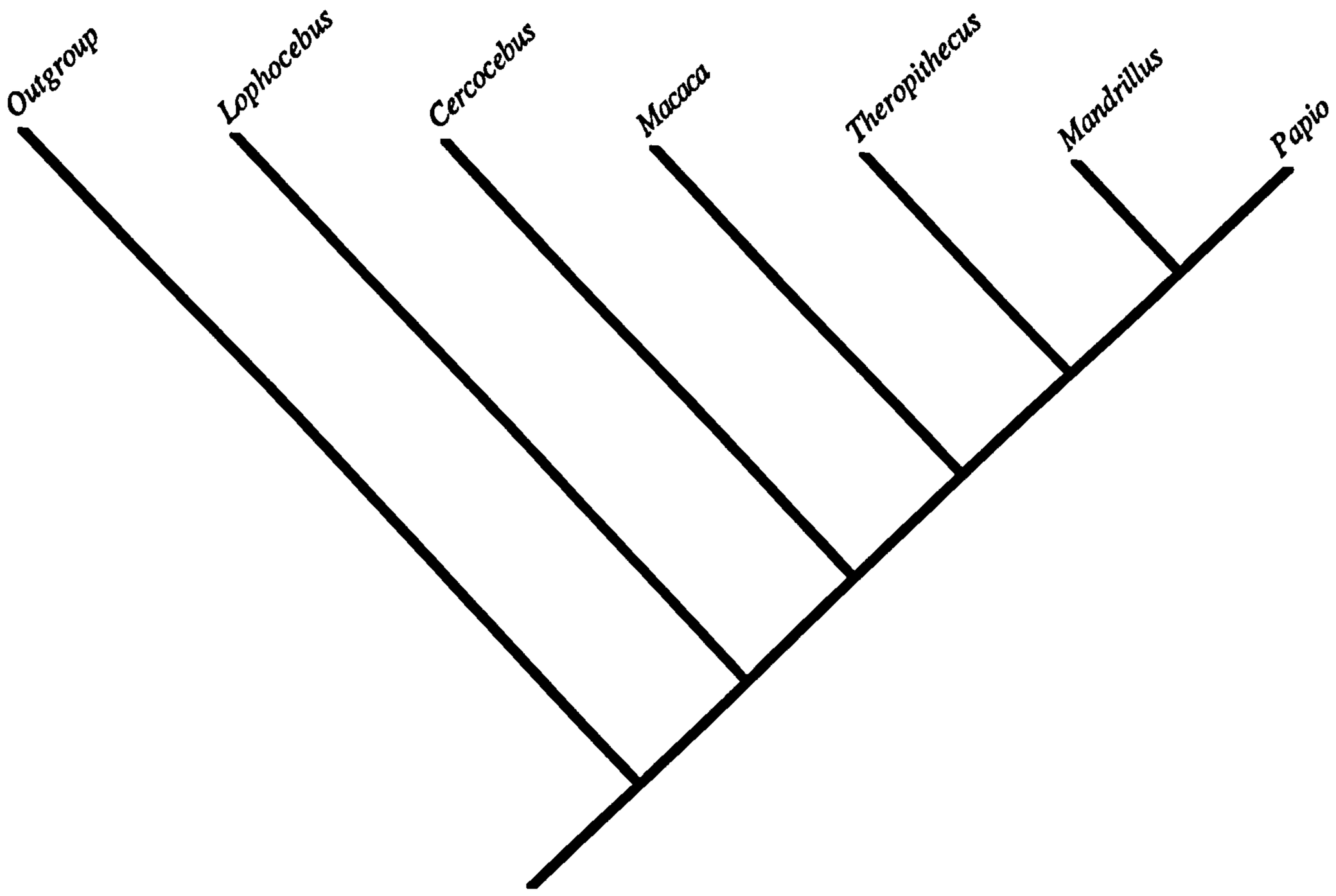


Figure 42. Most parsimonious cladogram recovered in Analysis 5.

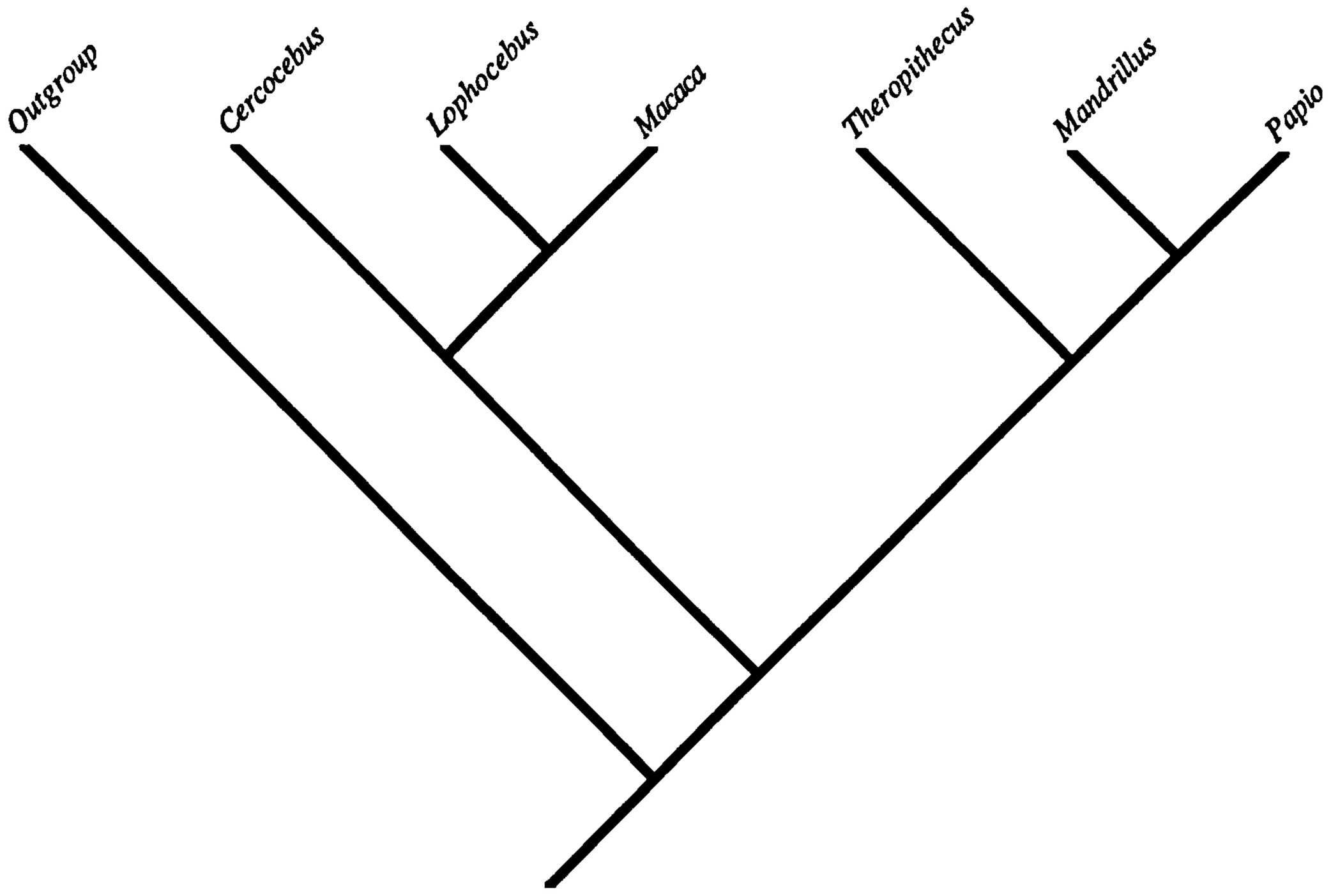


Figure 43. Most parsimonious cladogram recovered in analyses 6 and 9.

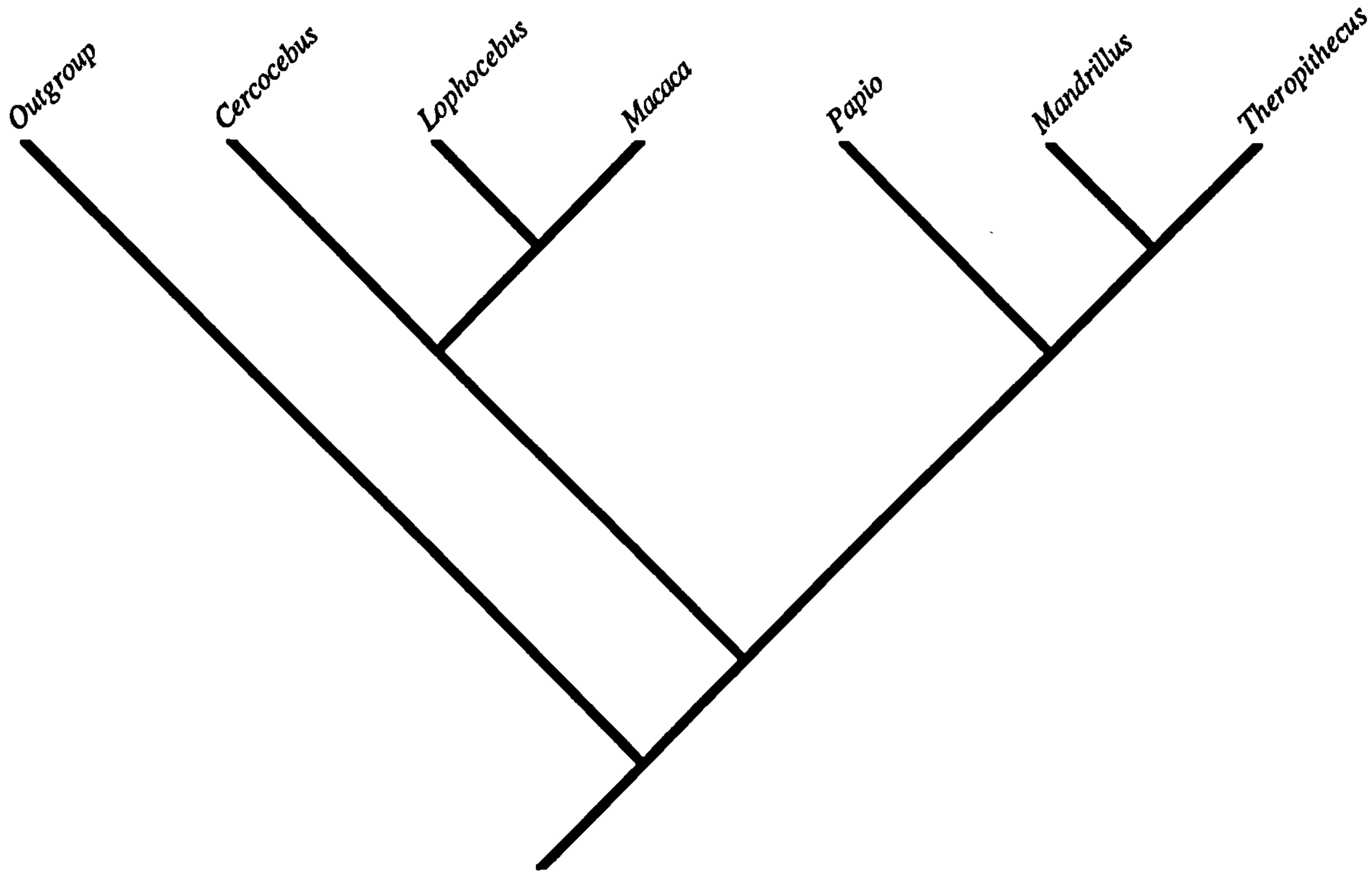


Figure 44. Most parsimonious cladogram recovered from palate characters in Analysis Y.

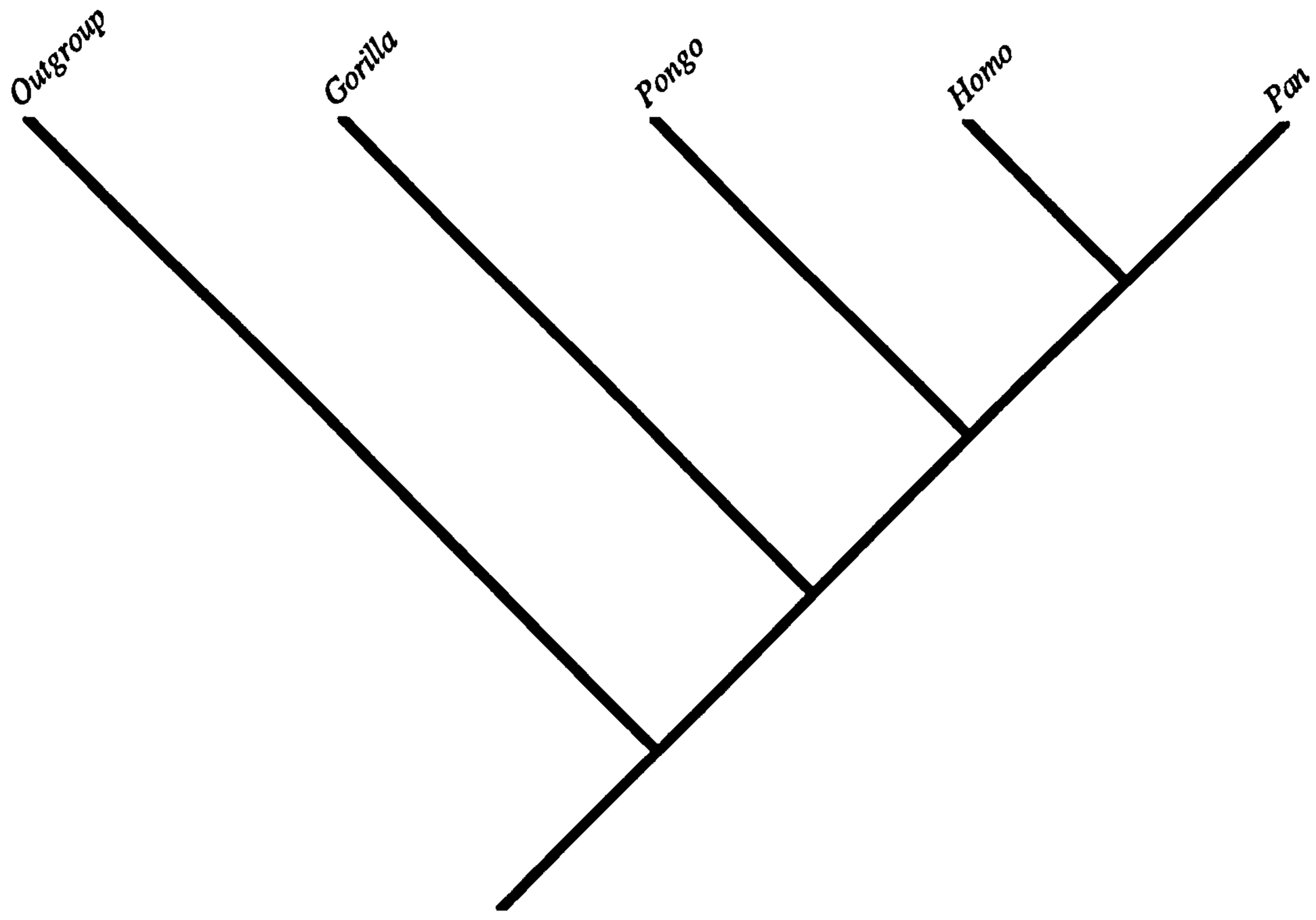


Figure 45. Most parsimonious cladogram recovered from mandible characters in Analysis Y.

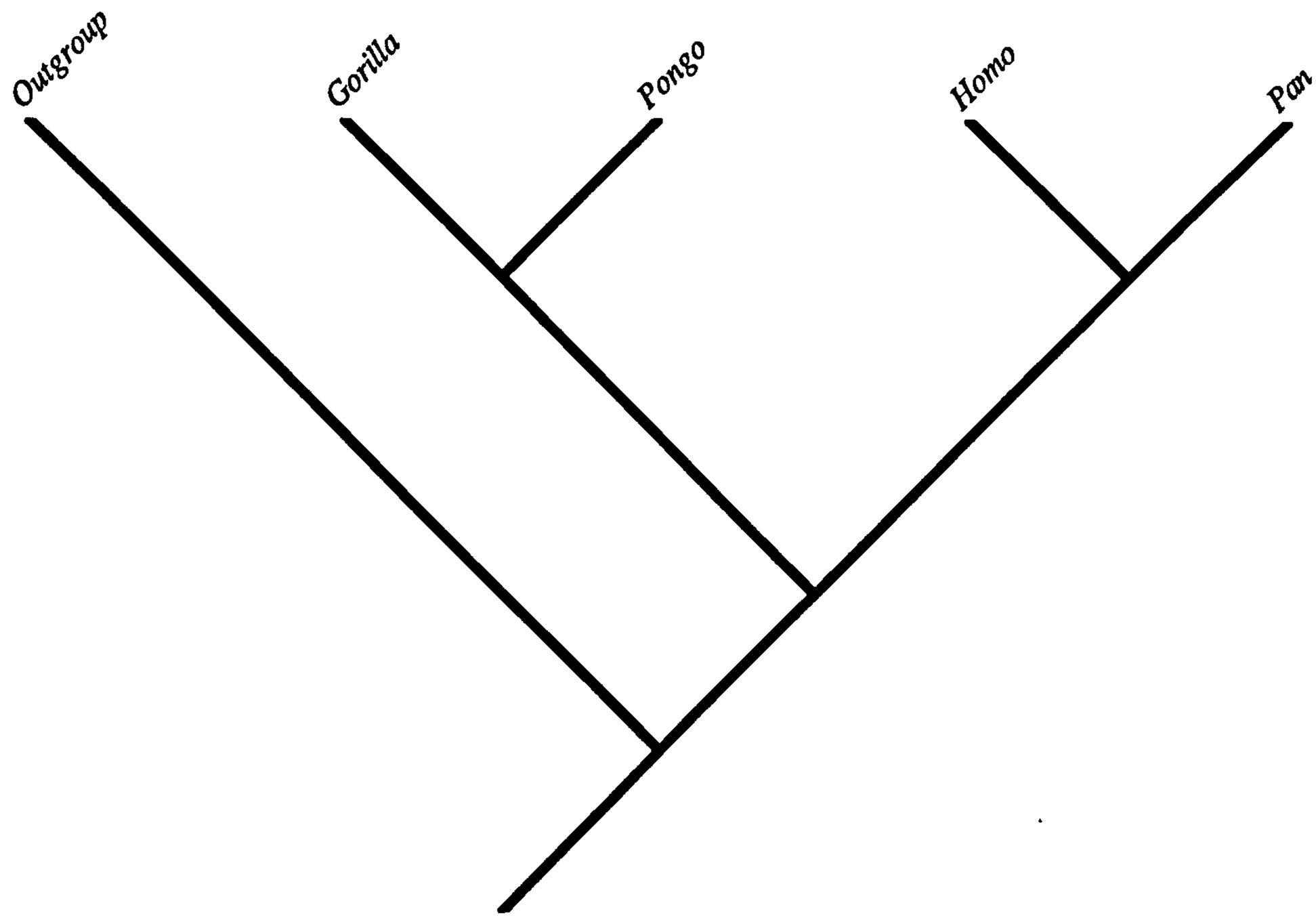


Figure 46. Cladogram favoured for face and vault characters in Analysis Y, palate, mandible, face and vault characters in Analysis Z, and palate, mandible, face and vault characters in Analysis AA.

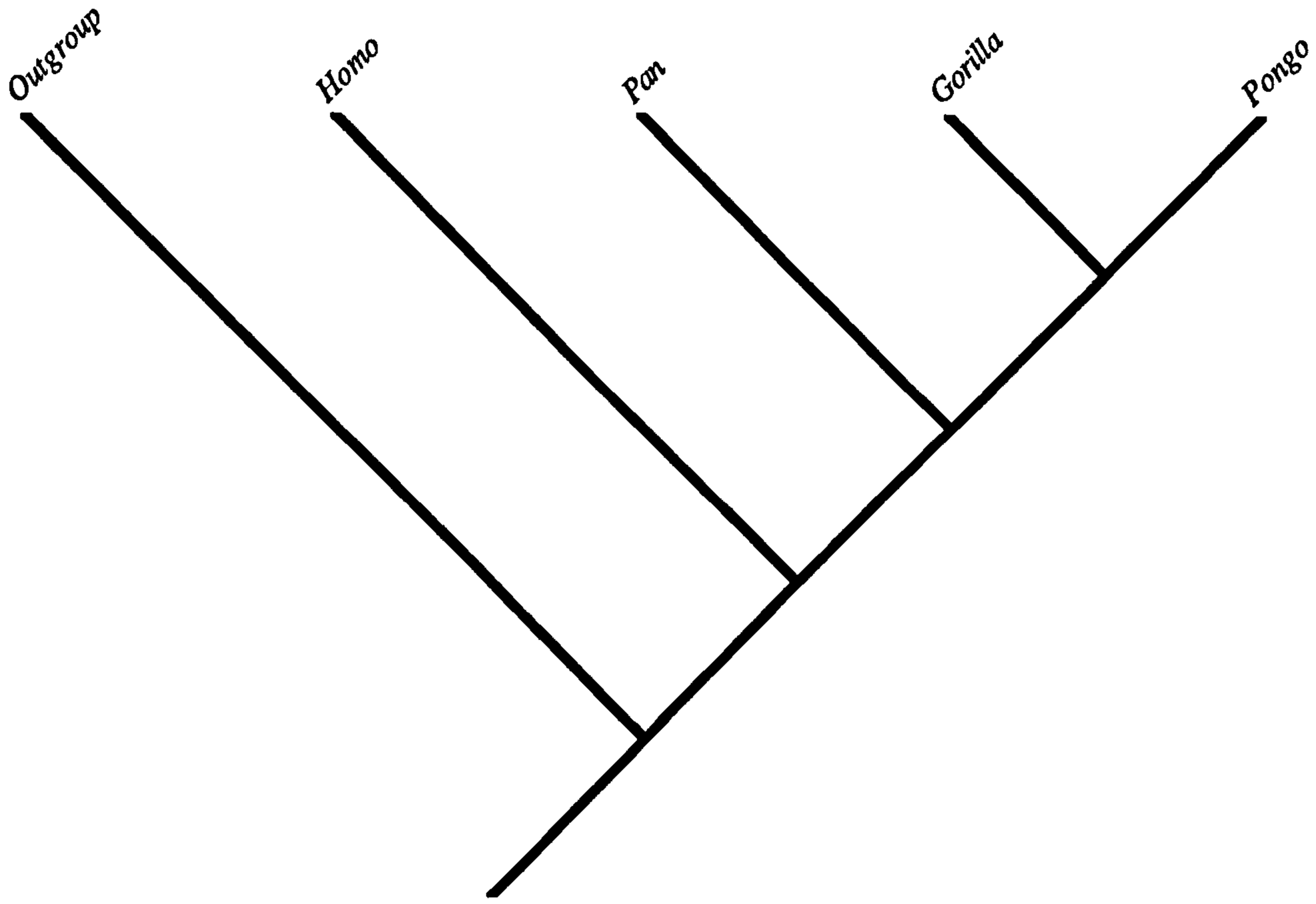


Figure 47. Cladogram favoured for palate characters in Analysis 21.

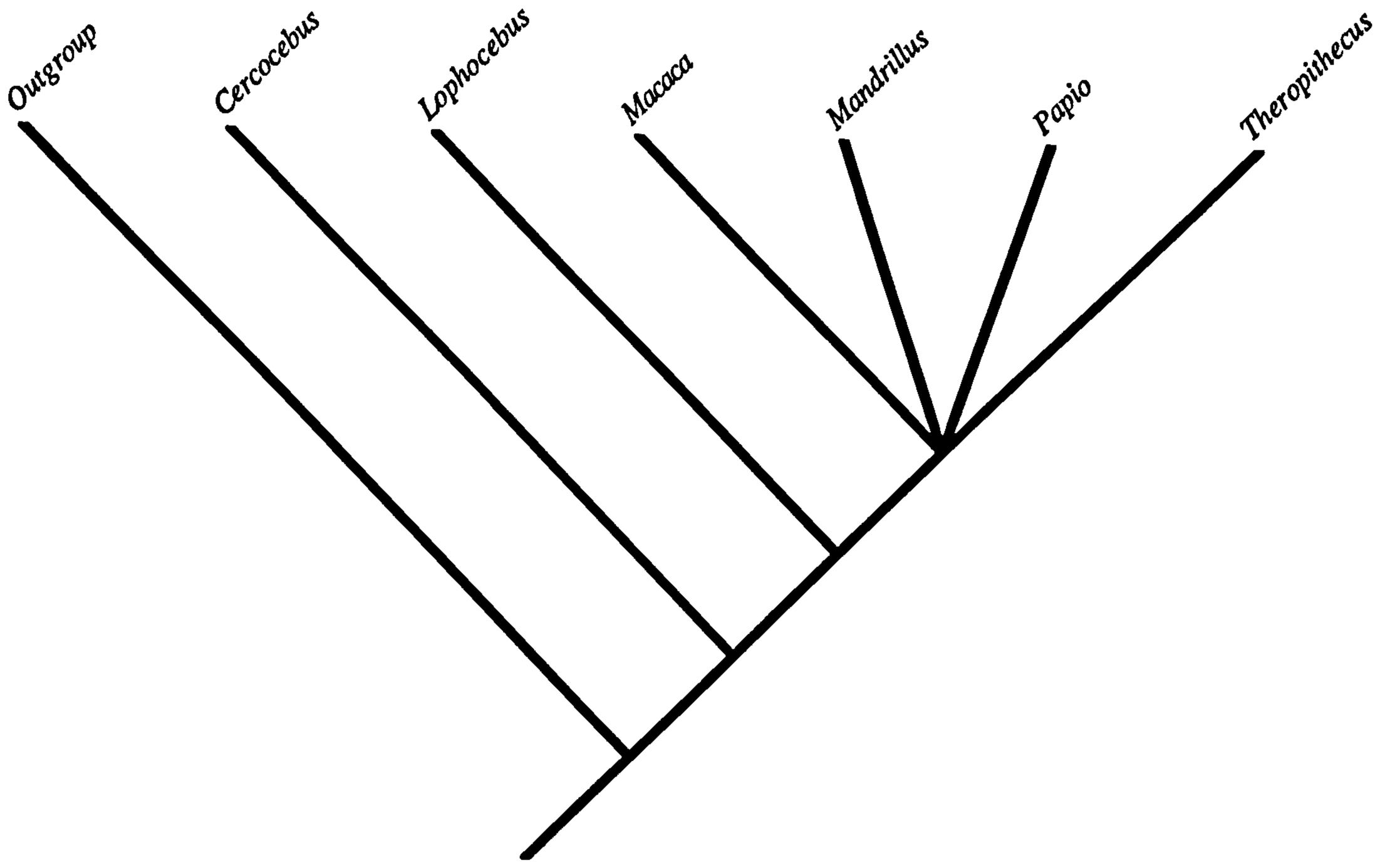


Figure 48. One of five equally parsimonious cladograms recovered from mandible characters in Analysis 21.

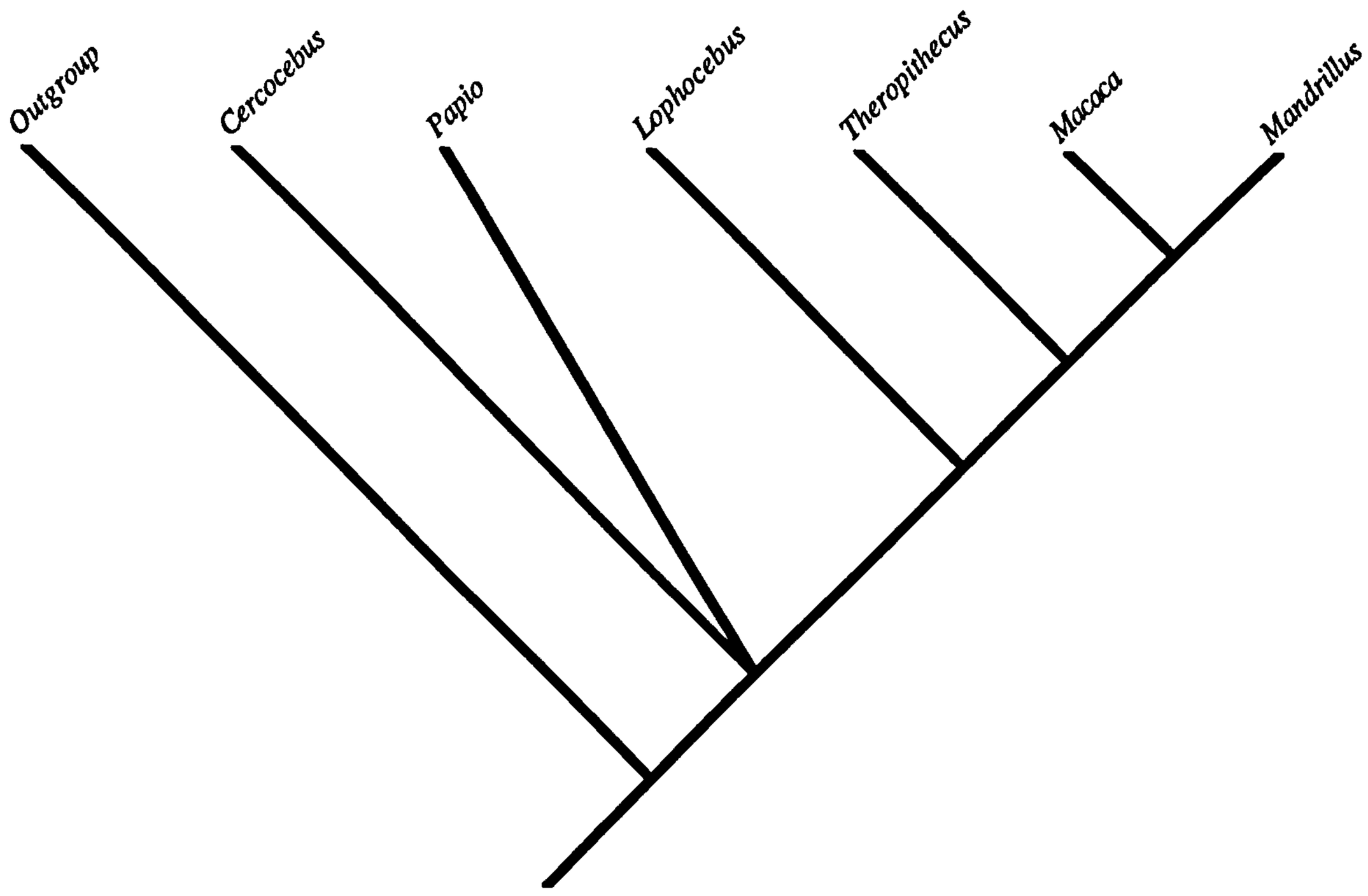


Figure 49. One of five equally parsimonious cladograms recovered from mandible characters in Analysis 21

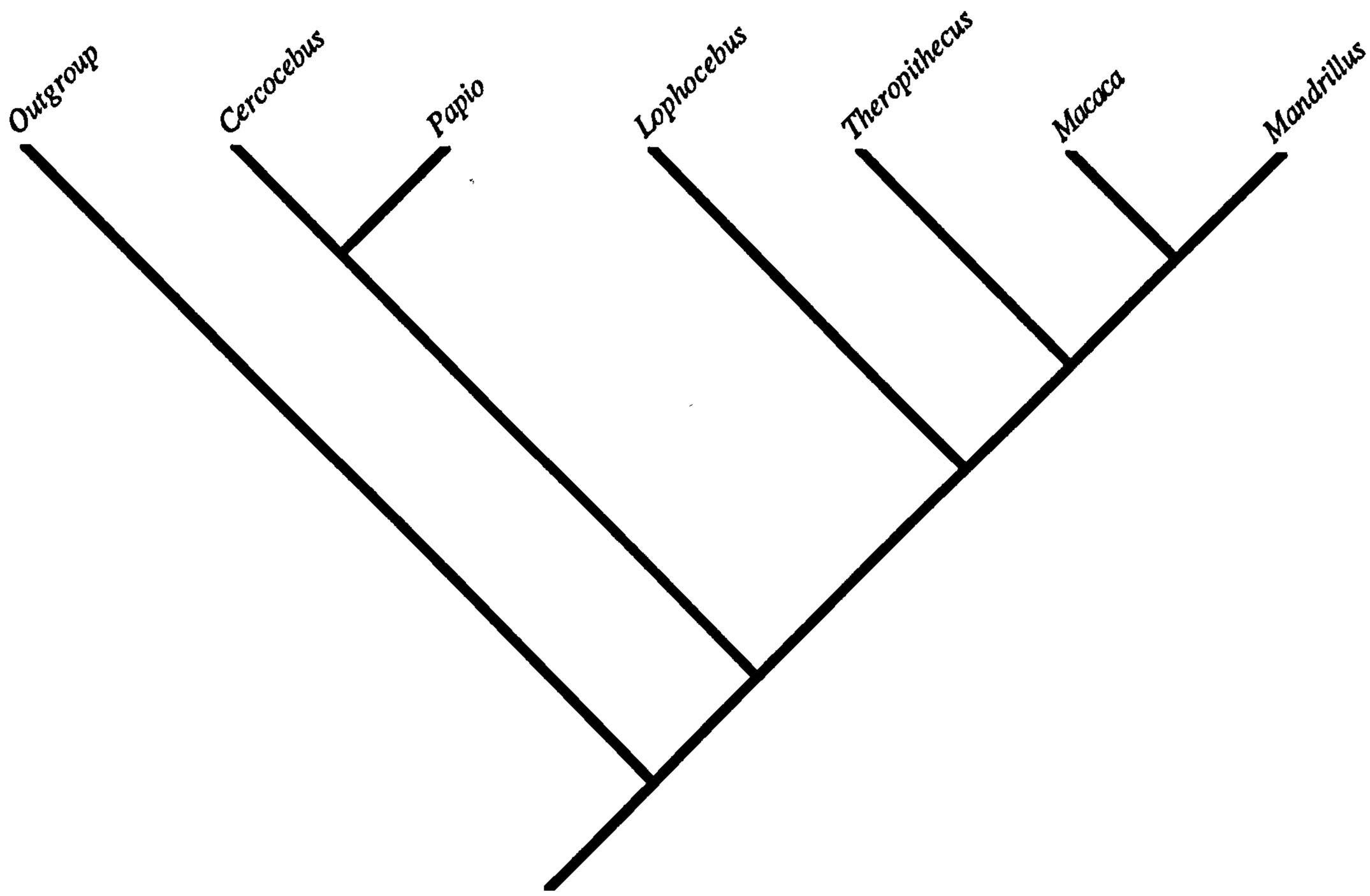


Figure 50. One of five equally parsimonious cladograms recovered from mandible characters in Analysis 21.

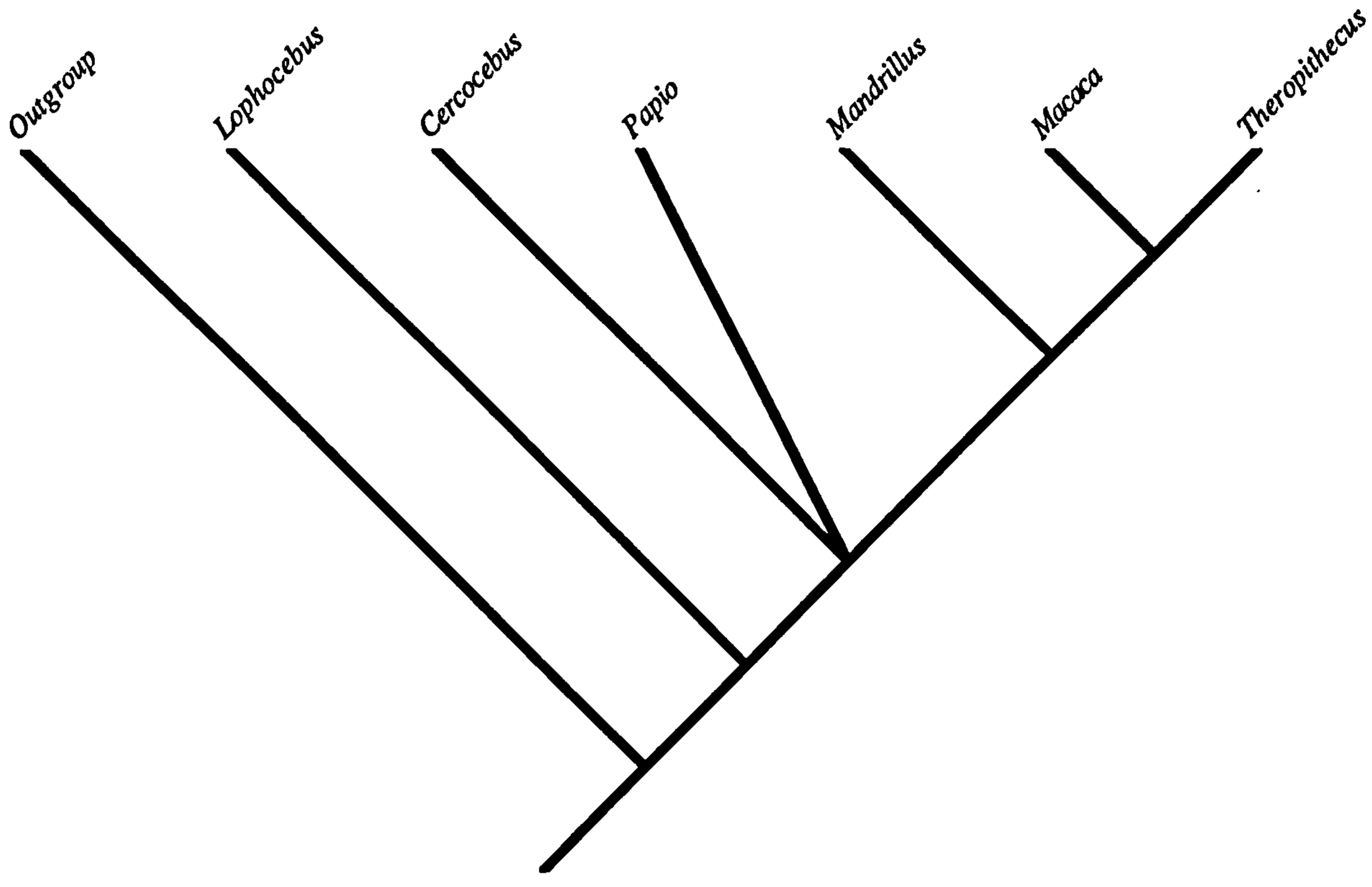


Figure 51. One of five equally parsimonious cladograms recovered from mandible characters in Analysis 21.

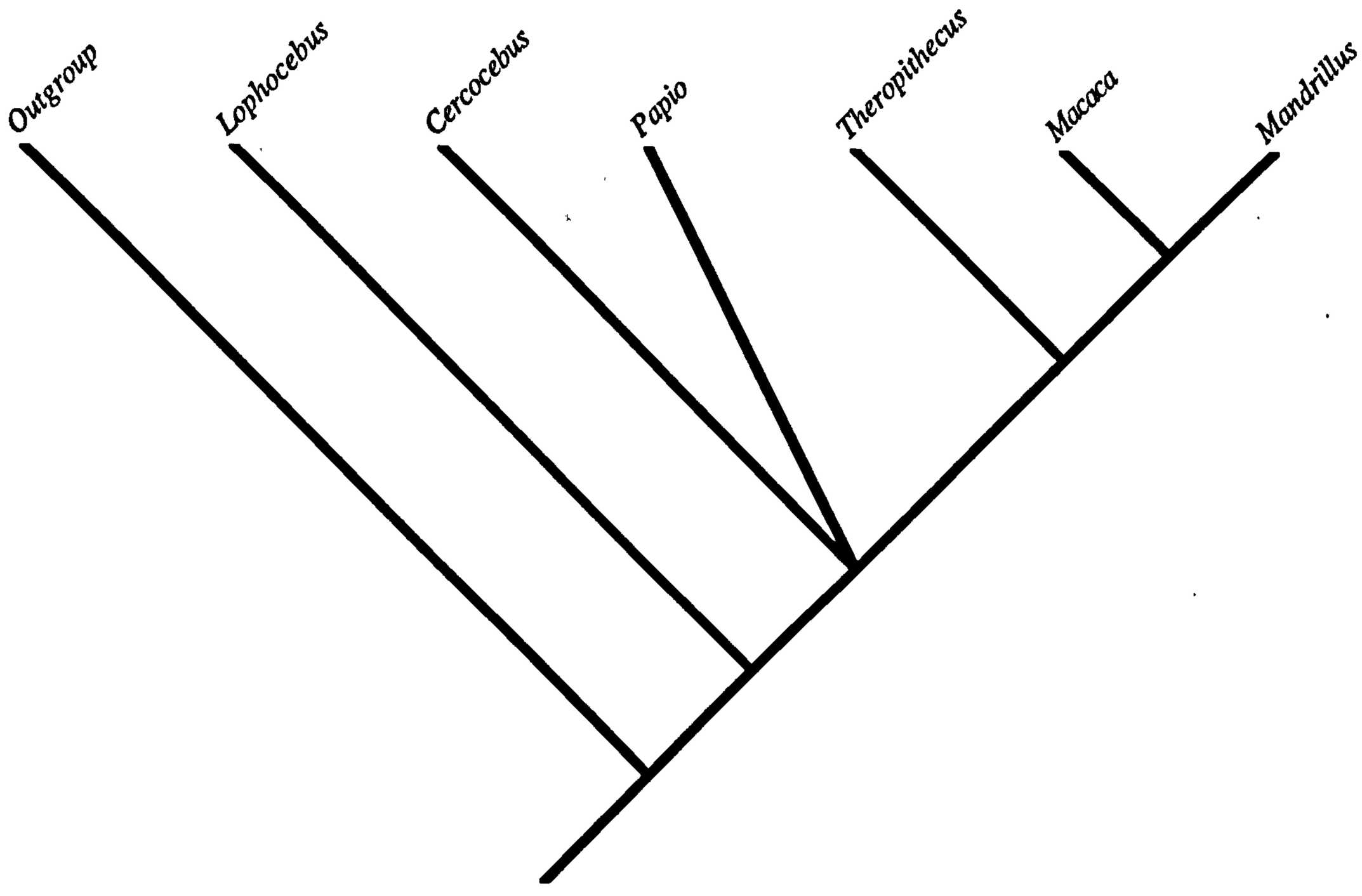


Figure 52. Fifth of five equally parsimonious cladograms recovered from mandible characters in Analysis 21.

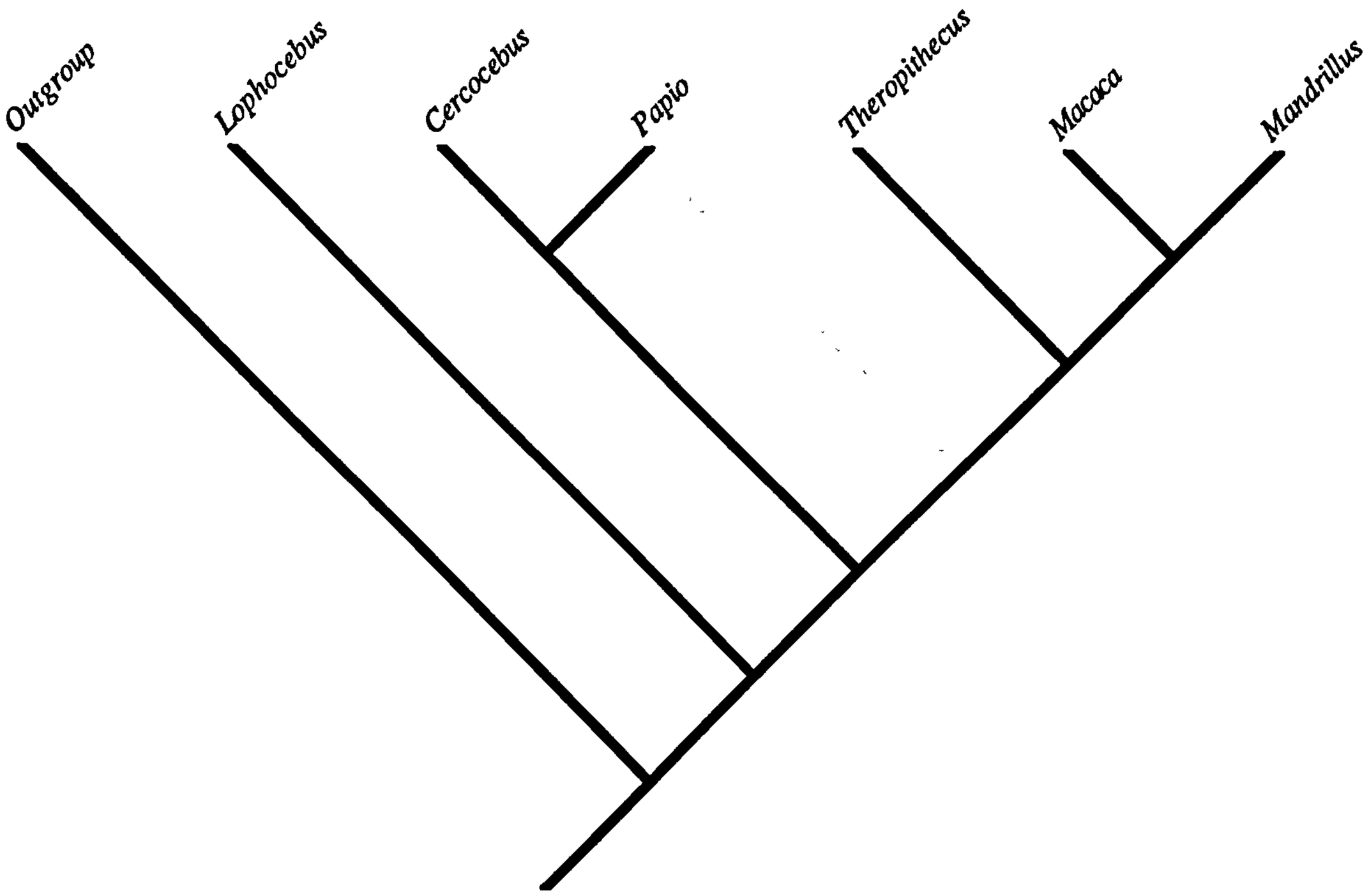


Figure 53. Most parsimonious cladogram recovered from face characters in Analysis 21

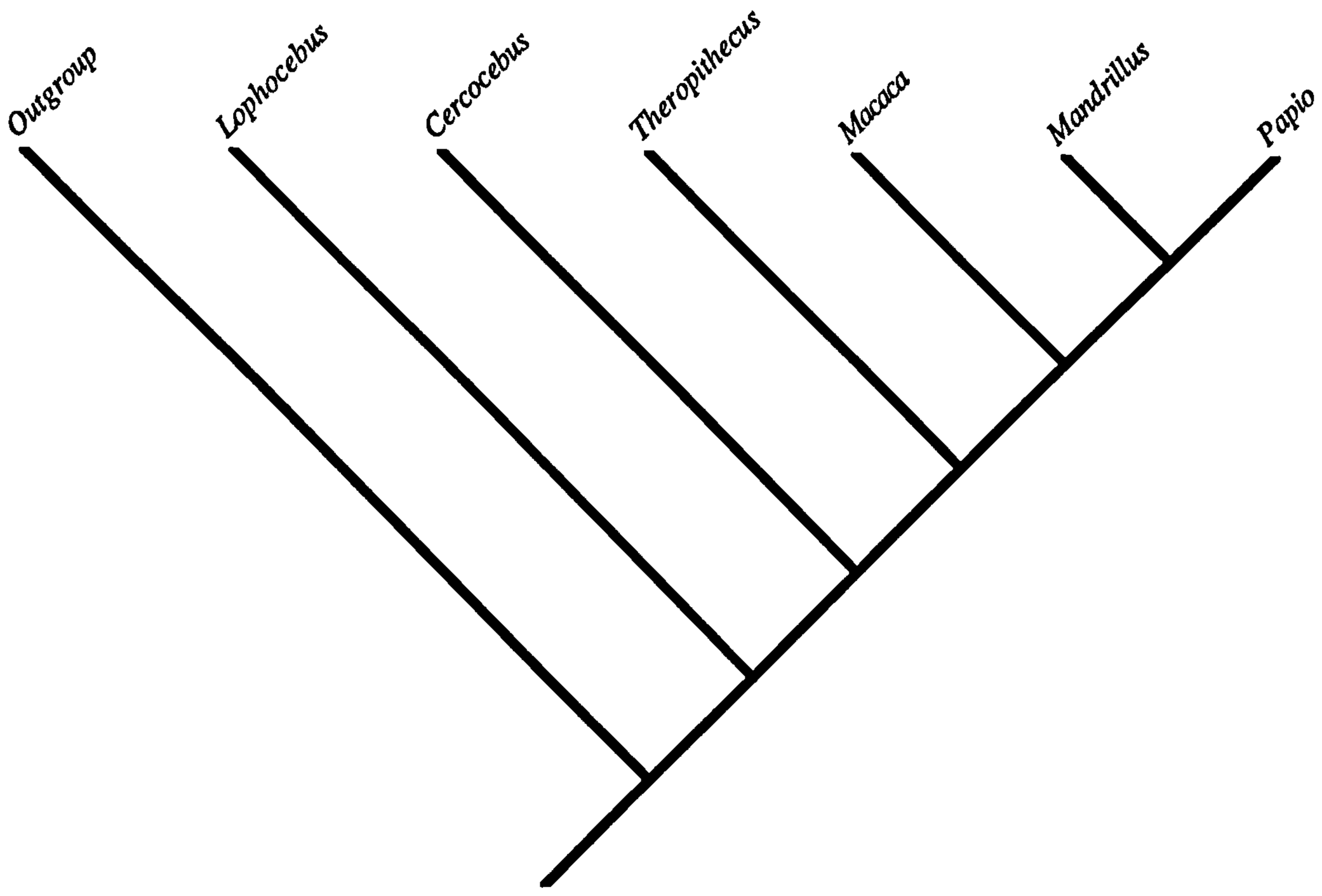


Figure 54. One of two equally parsimonious cladograms recovered from vault characters in Analysis 21.

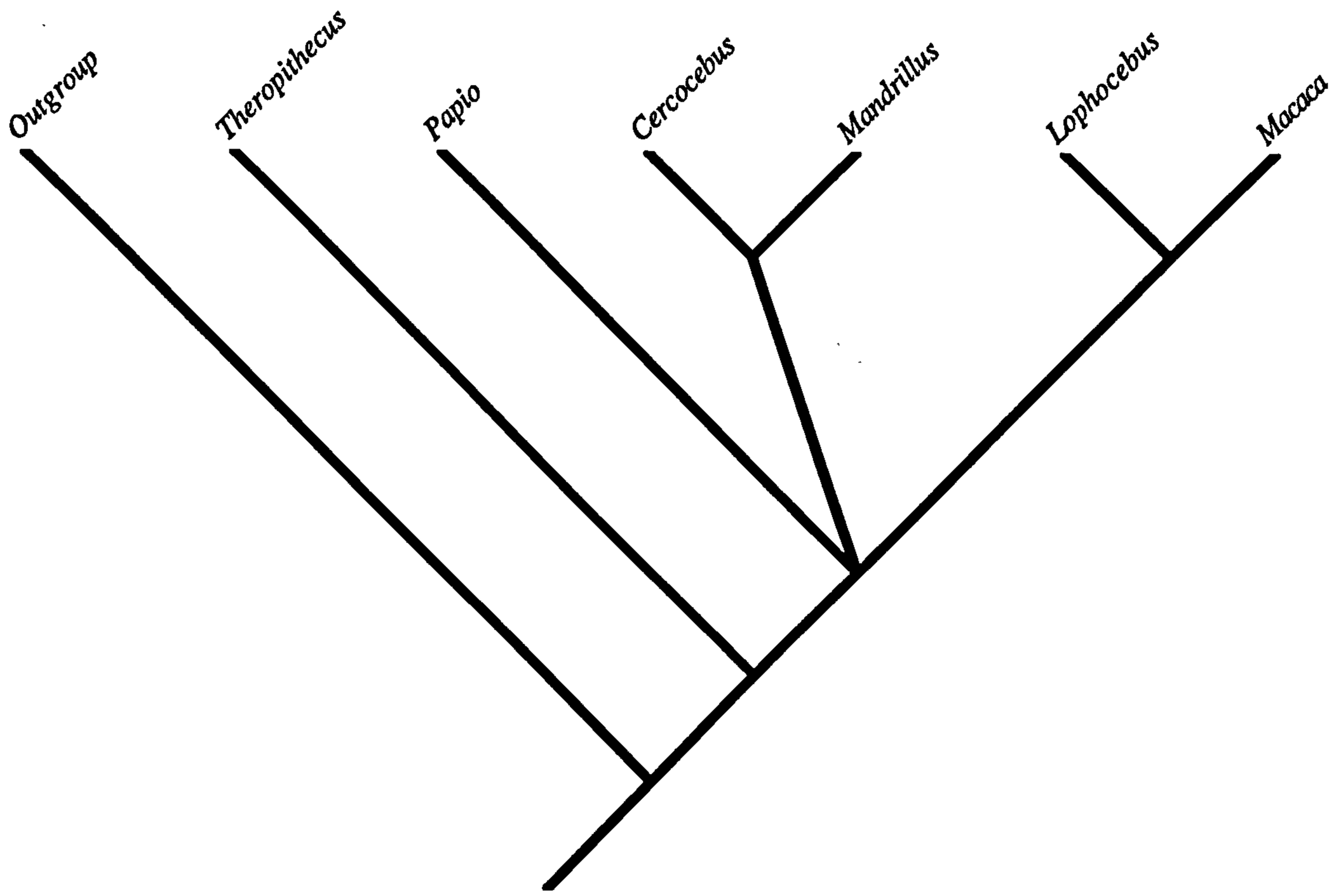


Figure 55. One of two equally parsimonious cladograms recovered from vault characters in Analysis 21.

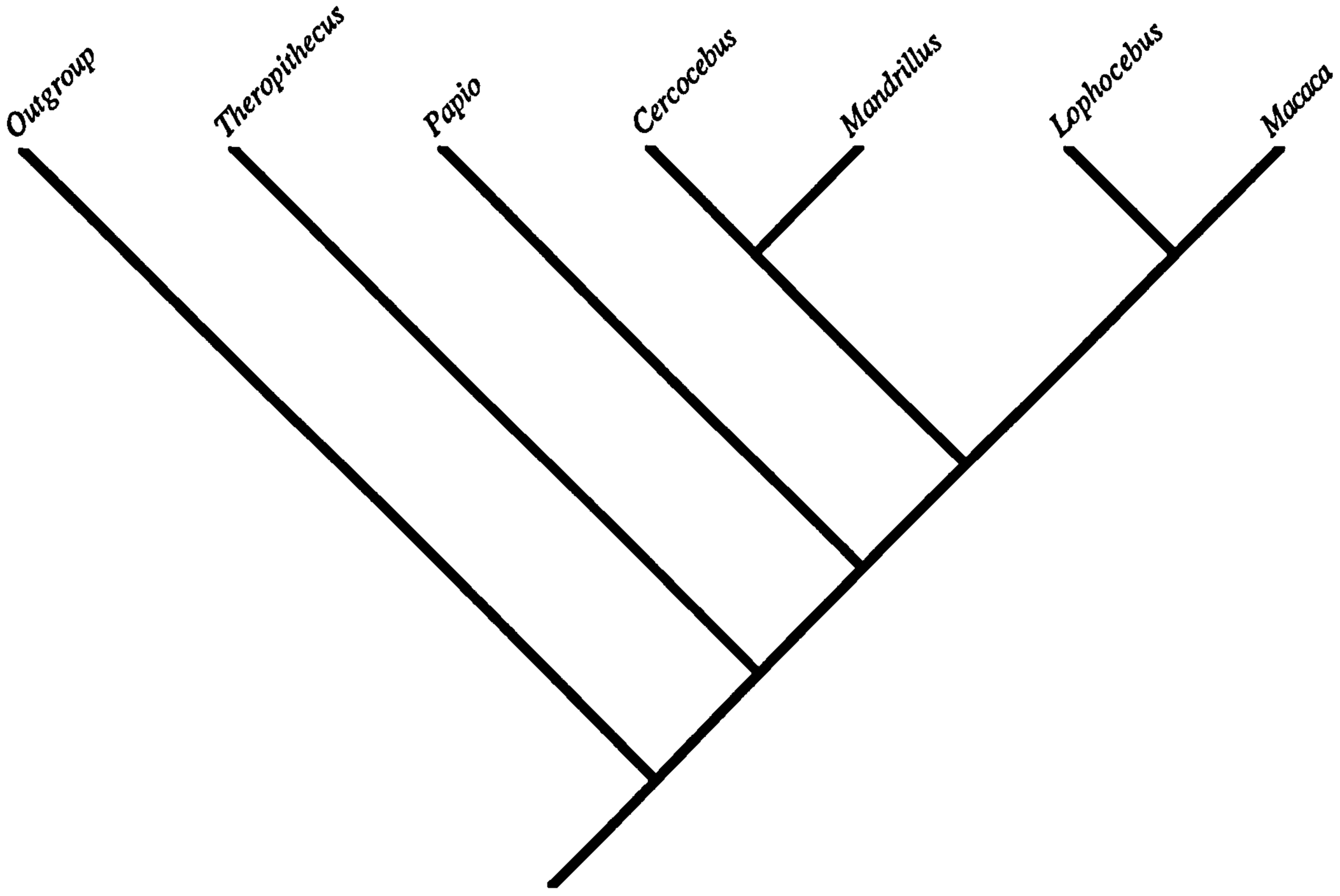


Figure 56. Most parsimonious cladogram recovered from palate characters in Analysis 22.

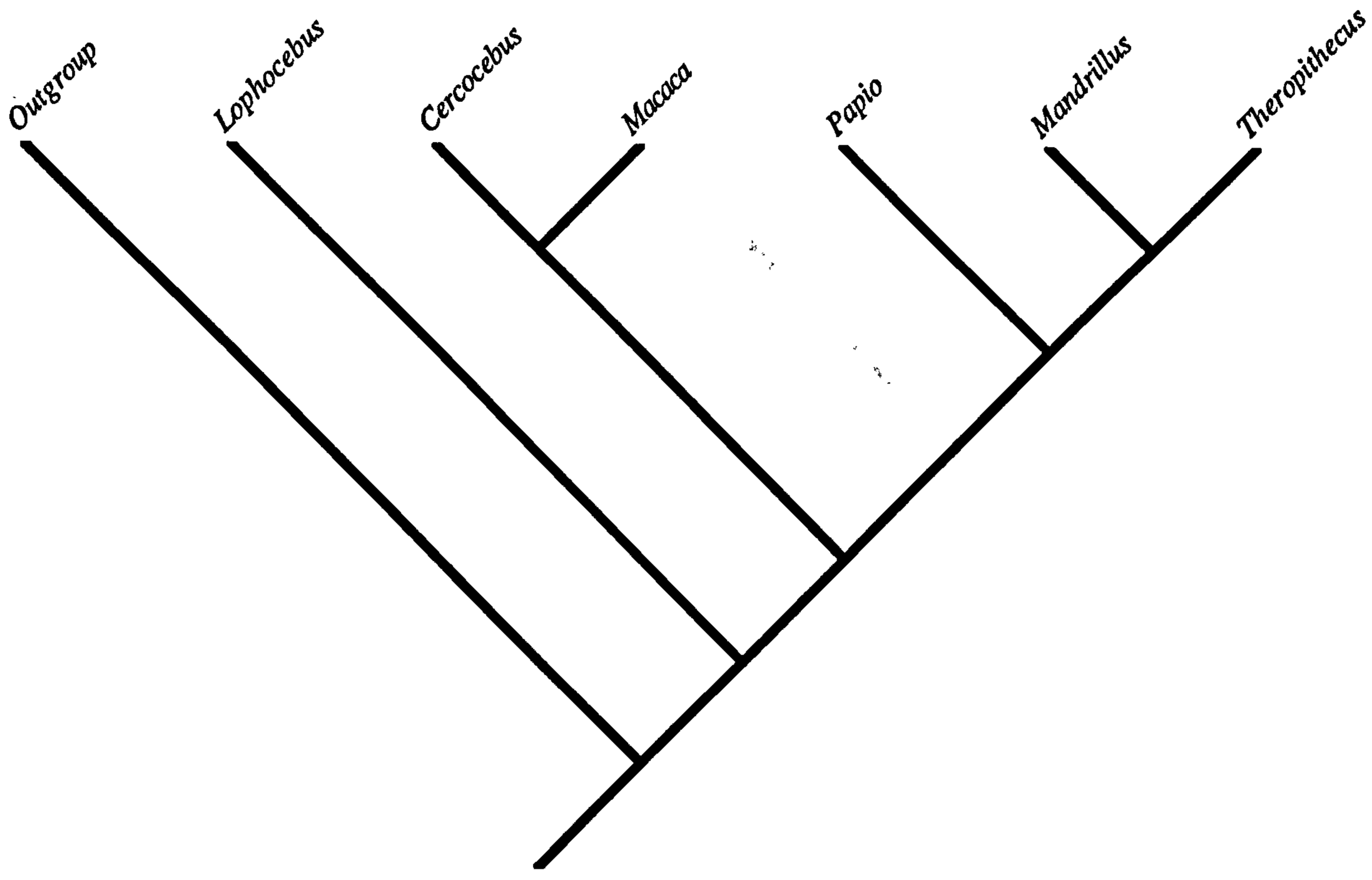


Figure 57. One of three equally parsimonious cladograms recovered from mandible characters in Analysis 22.

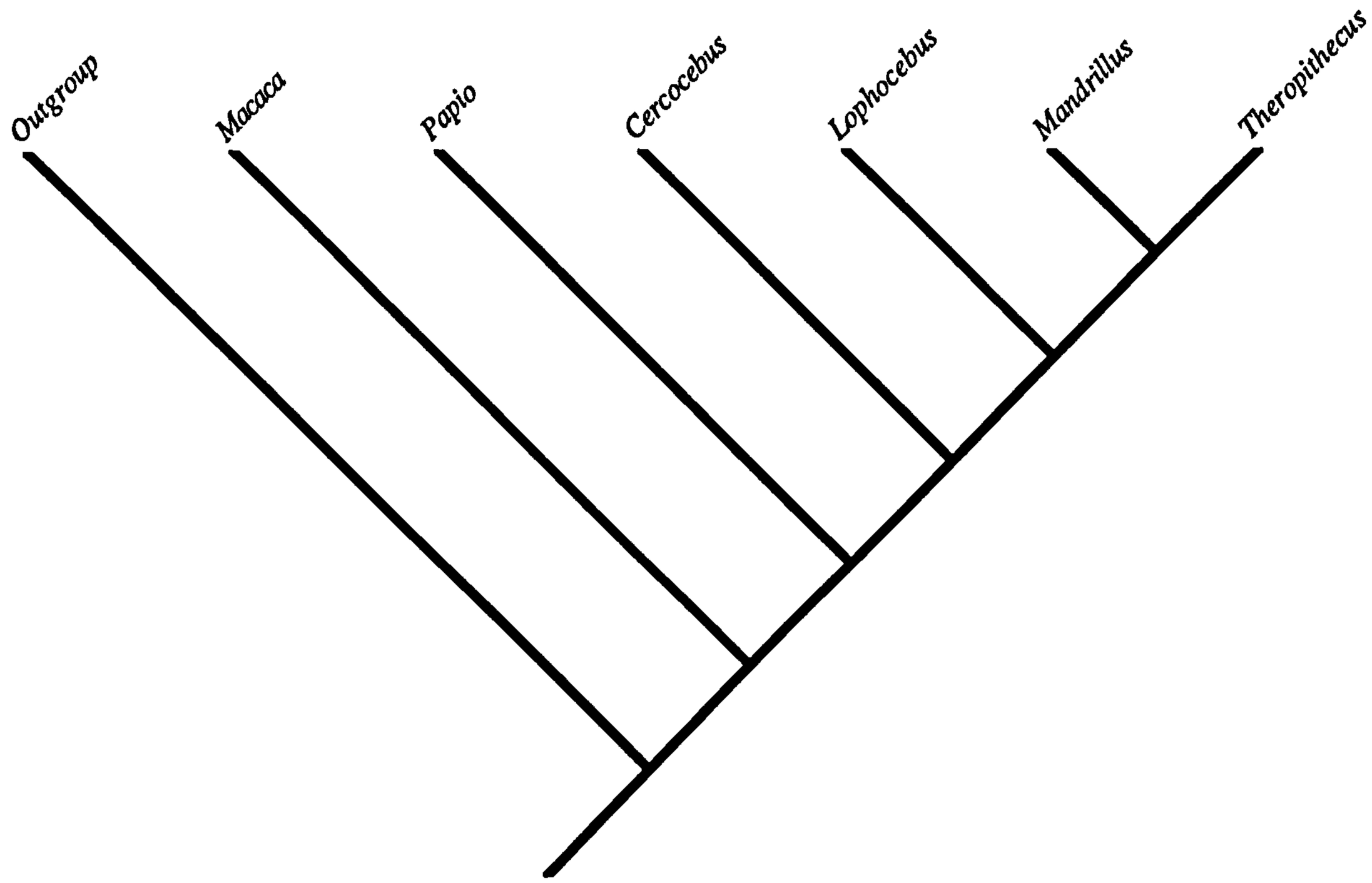


Figure 58. One of three equally parsimonious cladograms recovered from mandible characters in Analysis 22.

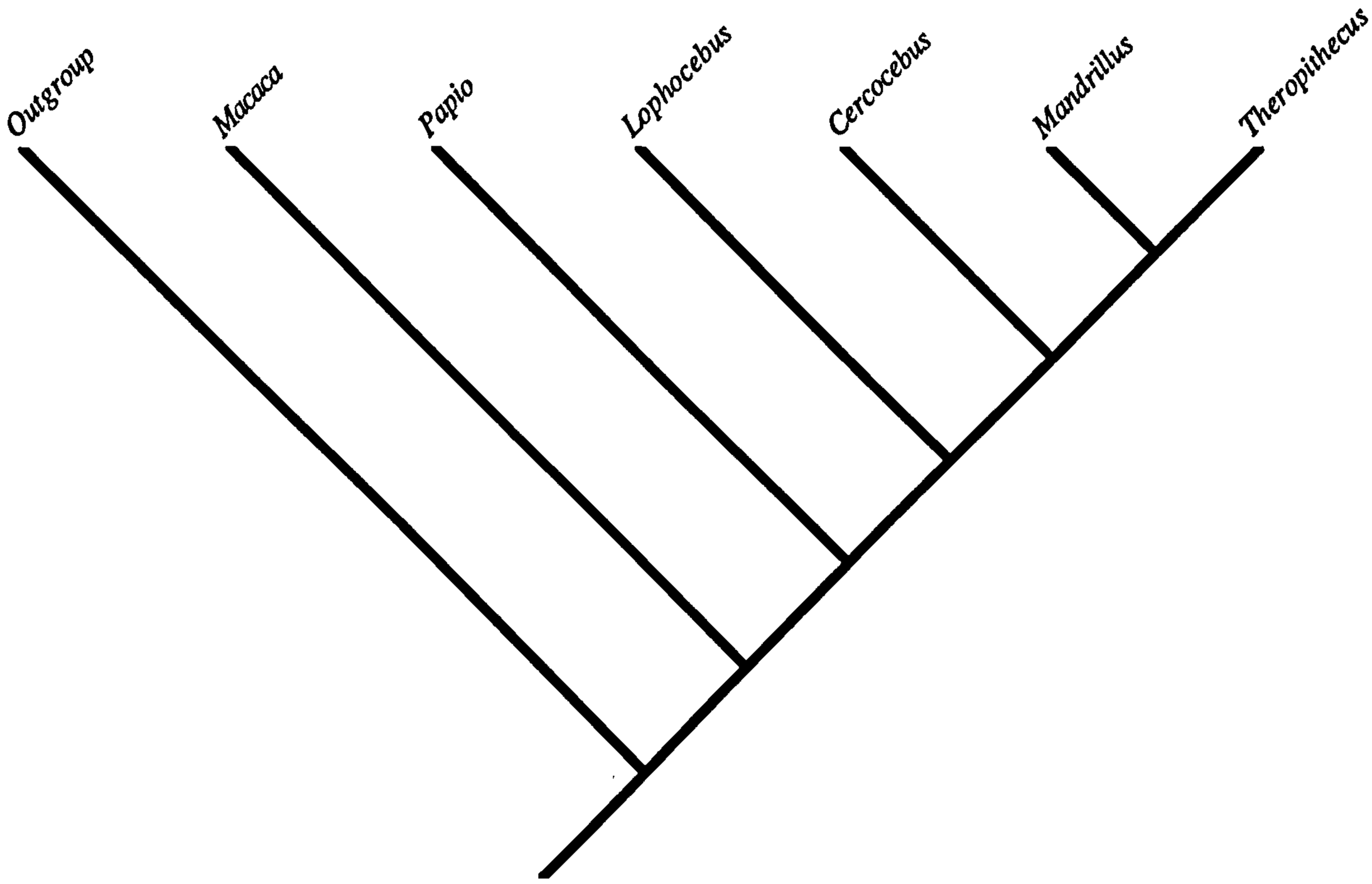


Figure 59. One of three equally parsimonious cladograms recovered from mandible characters in Analysis 22.

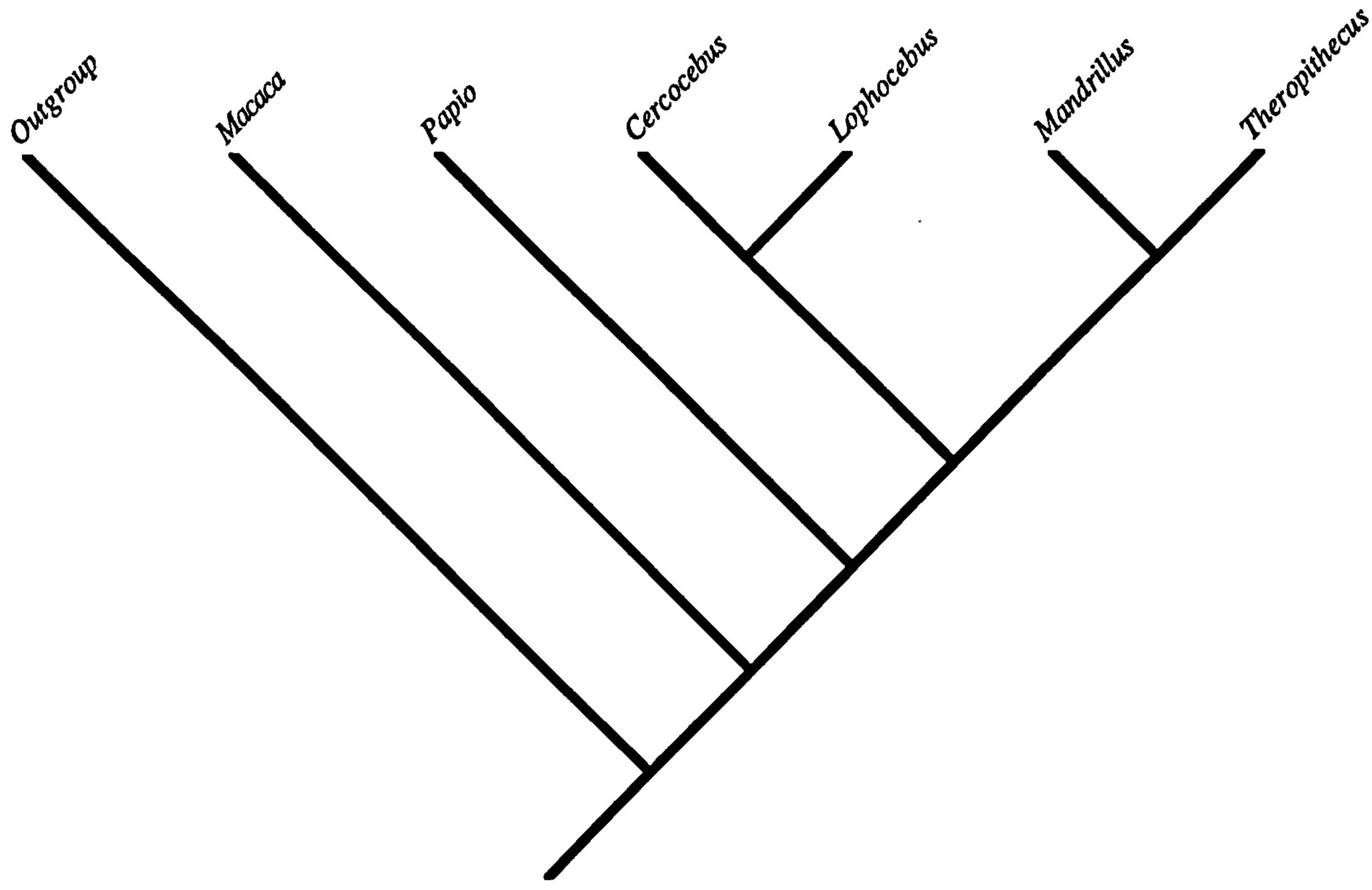


Figure 60. One of four equally parsimonious cladograms recovered from face characters in Analysis 22. One of two cladograms favoured for face characters in Analysis 23. One of two cladograms favoured for vault characters in Analysis 23.

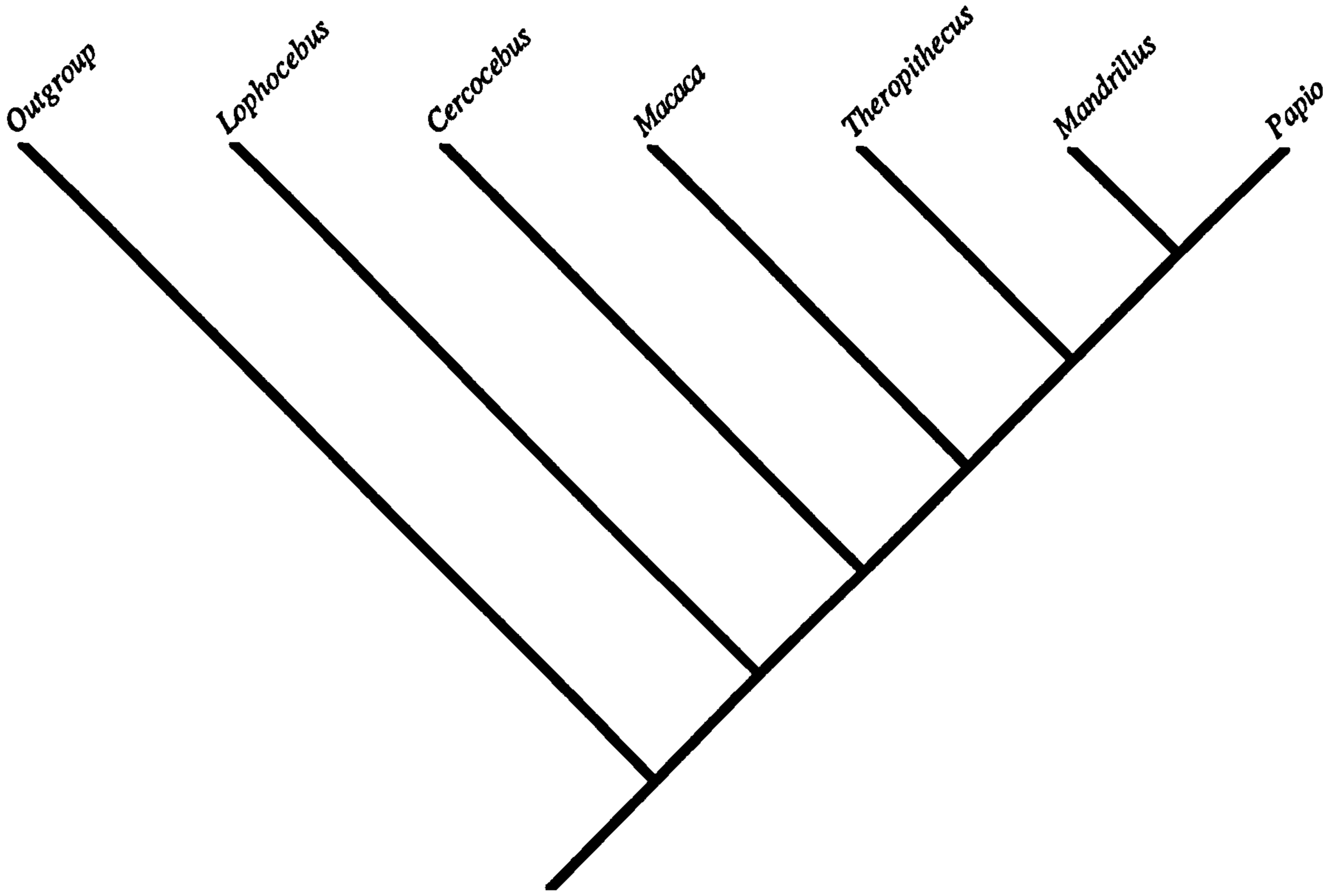


Figure 61. One of four equally parsimonious cladograms recovered from face characters in Analysis 22.

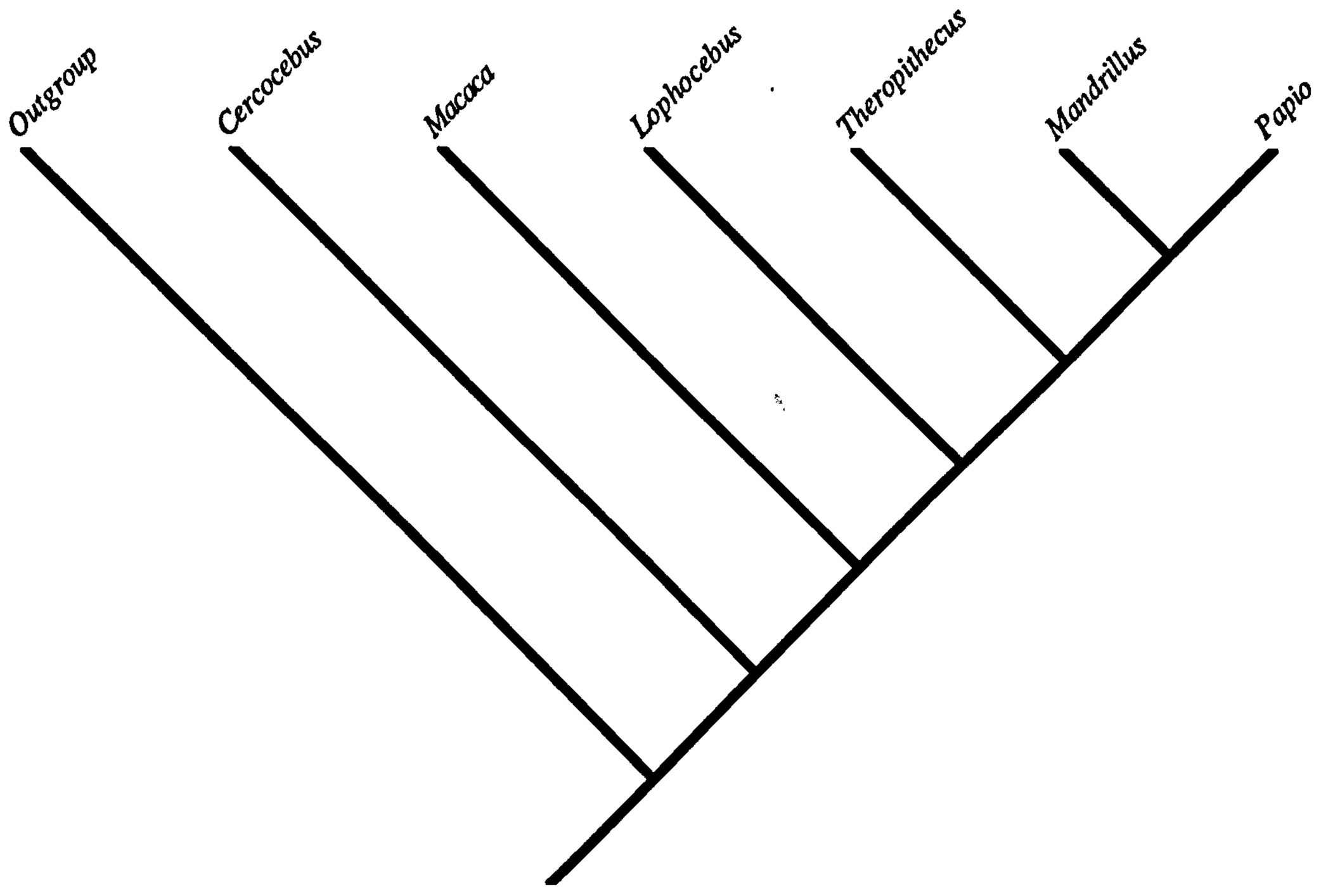


Figure 62. One of four equally parsimonious cladograms recovered from face characters in Analysis 22.

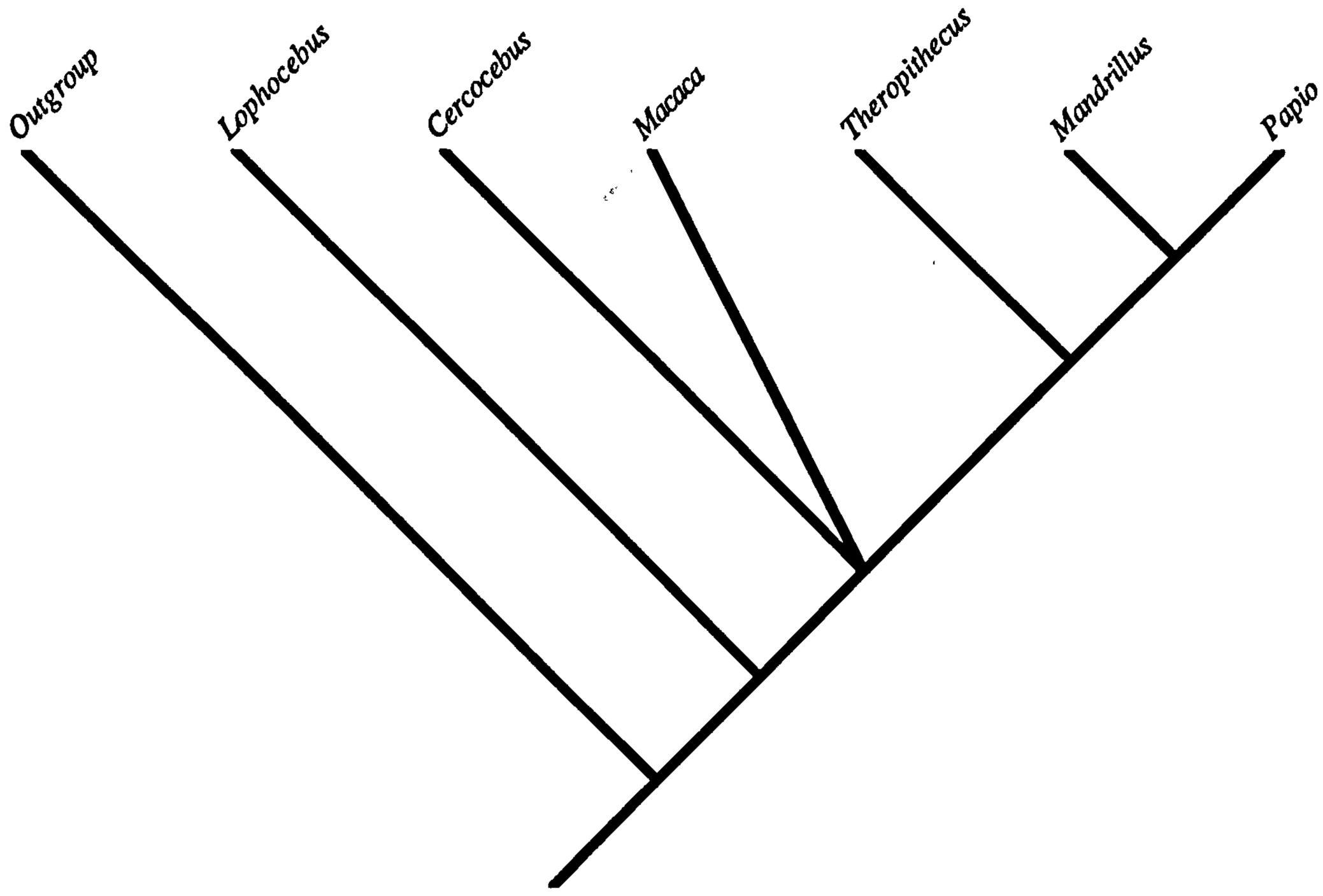


Figure 63. One of four equally parsimonious cladograms recovered from face characters in Analysis 22. One of two cladograms favoured for face characters in Analysis 23.

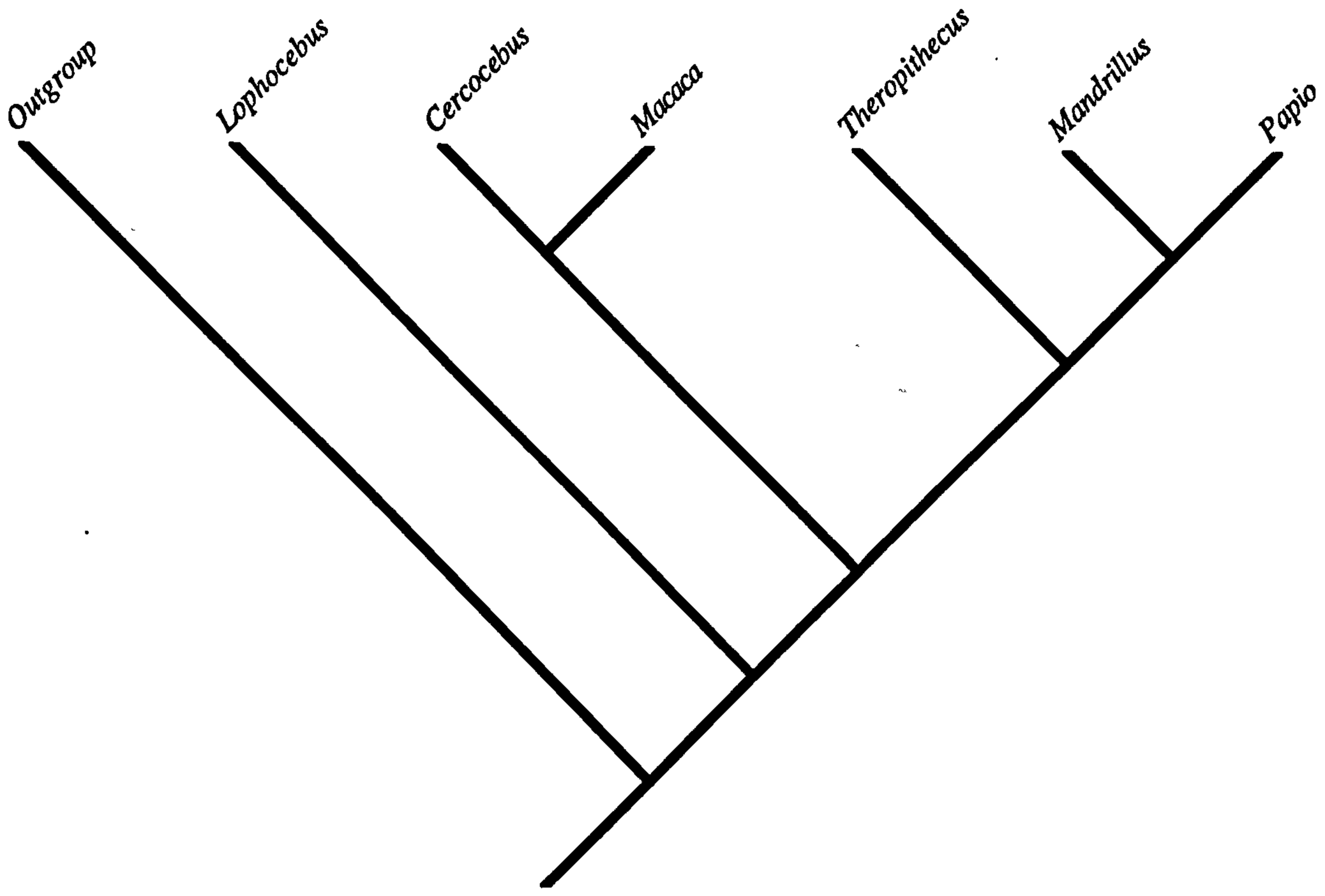


Figure 64. Most parsimonious cladogram recovered from vault characters in analyses 22 and 25.

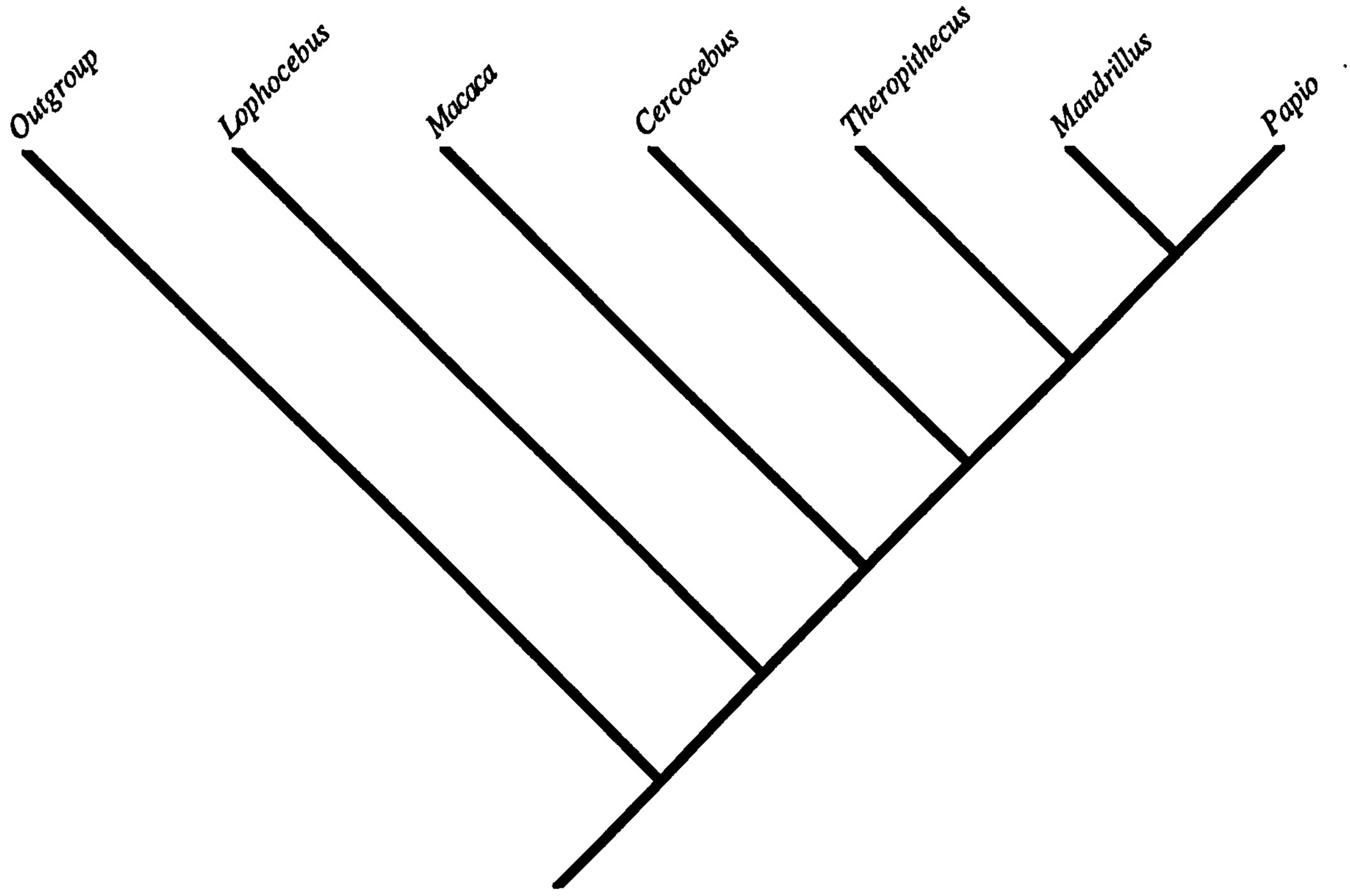


Figure 65. Most parsimonious cladogram recovered from palate characters in Analysis 23.

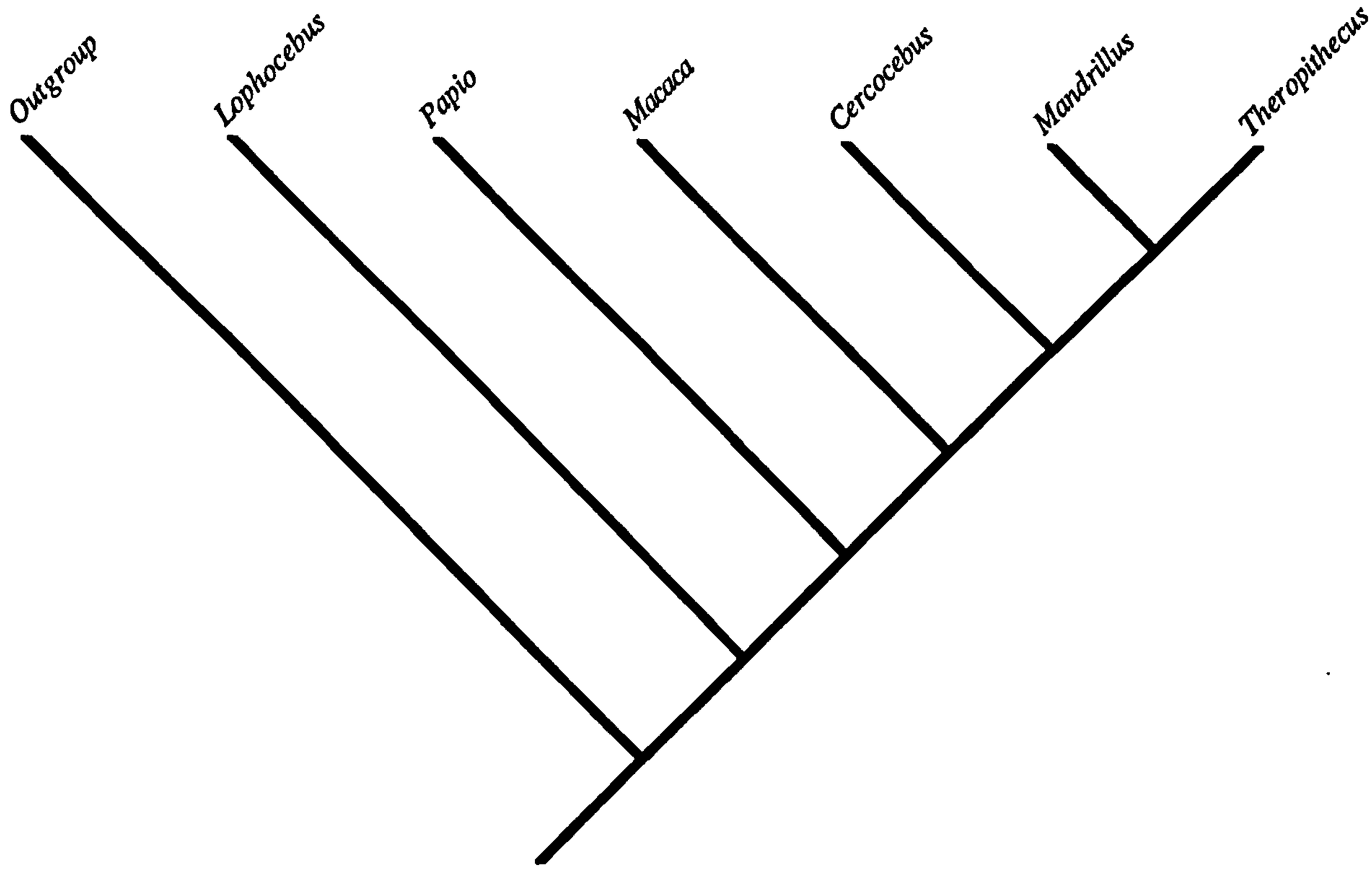


Figure 66. Cladogram favoured for mandible characters in Analysis 23.

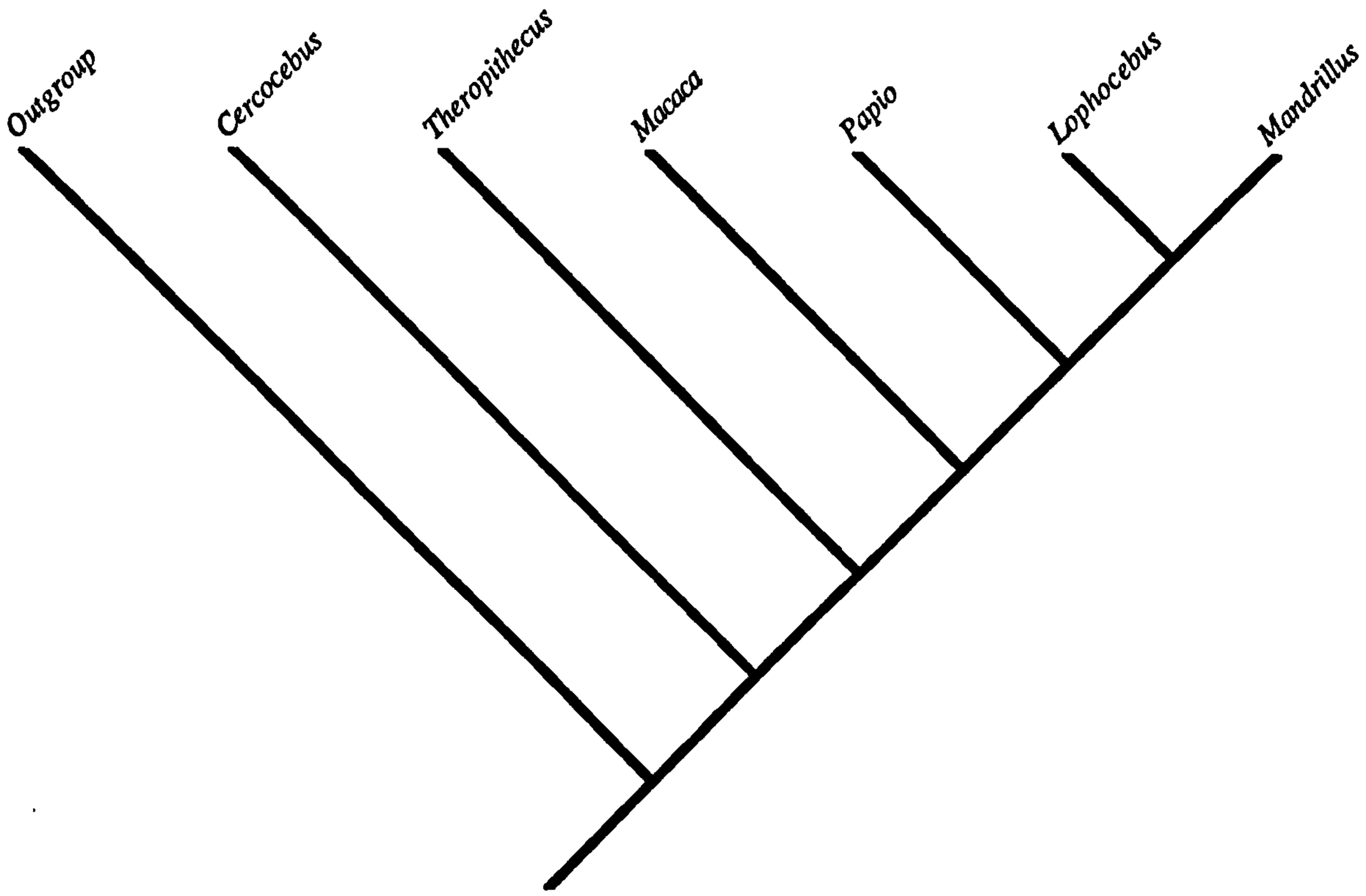


Figure 67. One of two cladograms favoured for vault characters in Analysis 23.

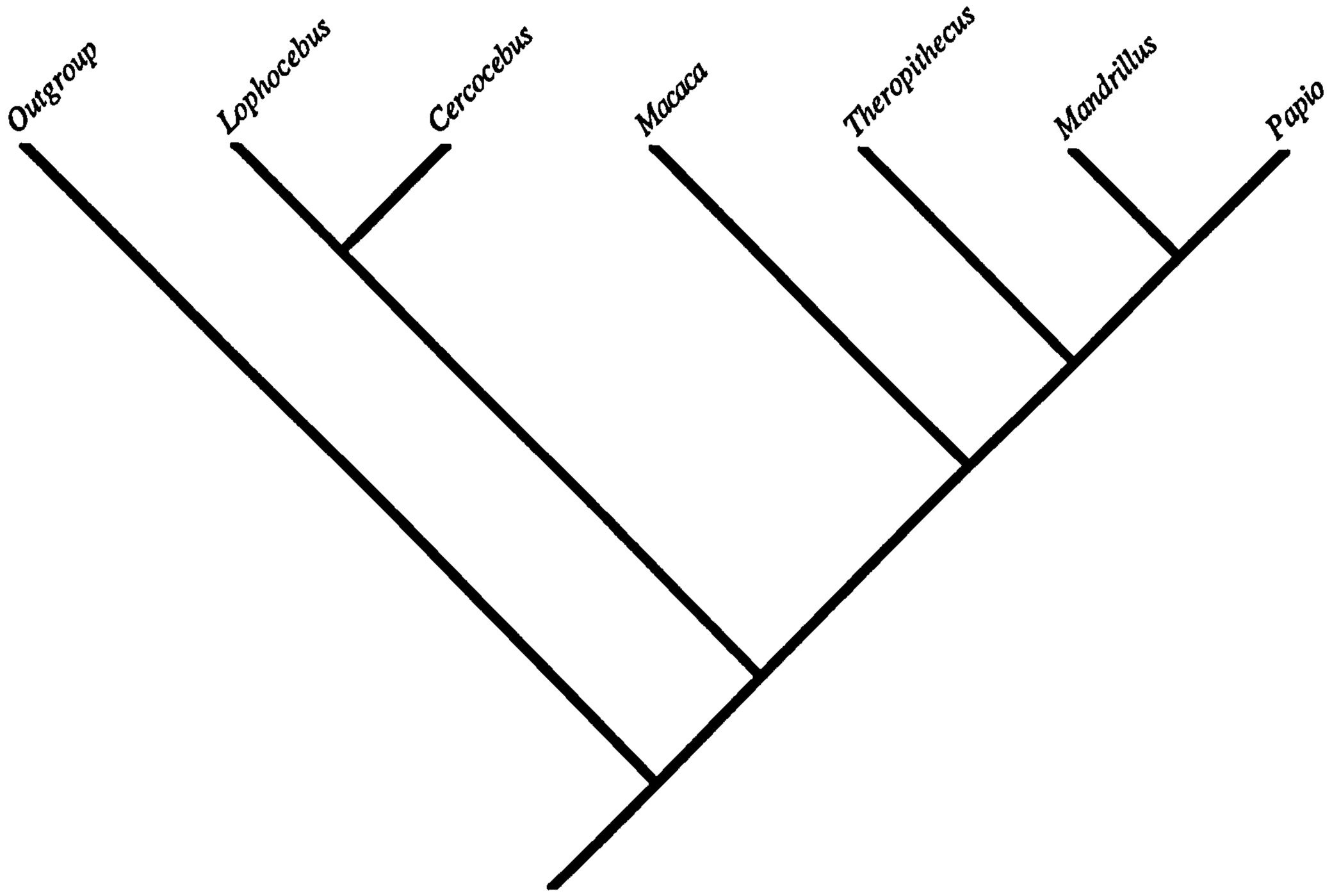


Figure 68. One of three equally parsimonious cladograms recovered from palate characters in Analysis 24. Cladogram favoured for mandible characters in Analysis 24.

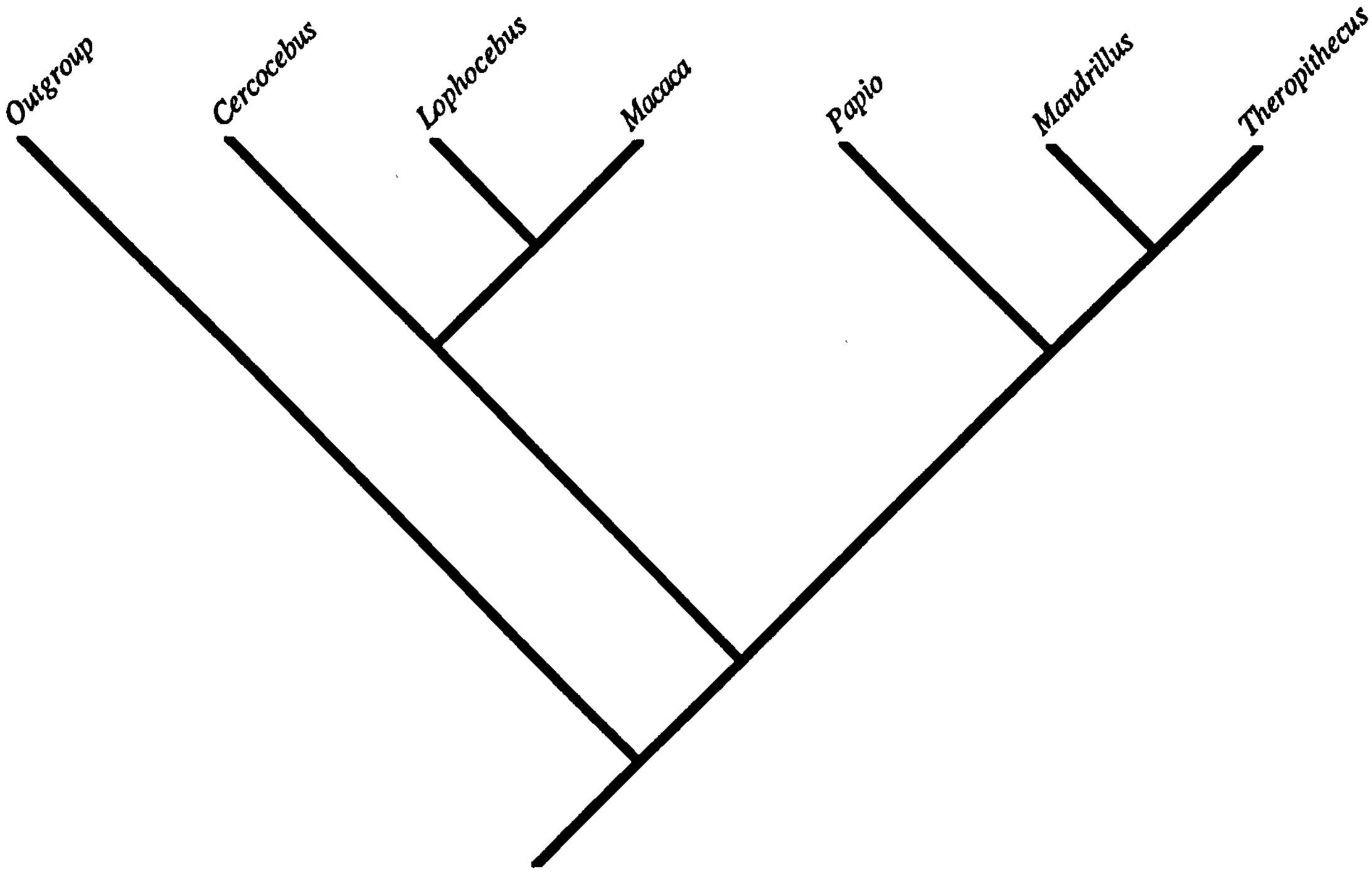


Figure 69. One of three cladograms favoured for palate characters in Analysis 24.

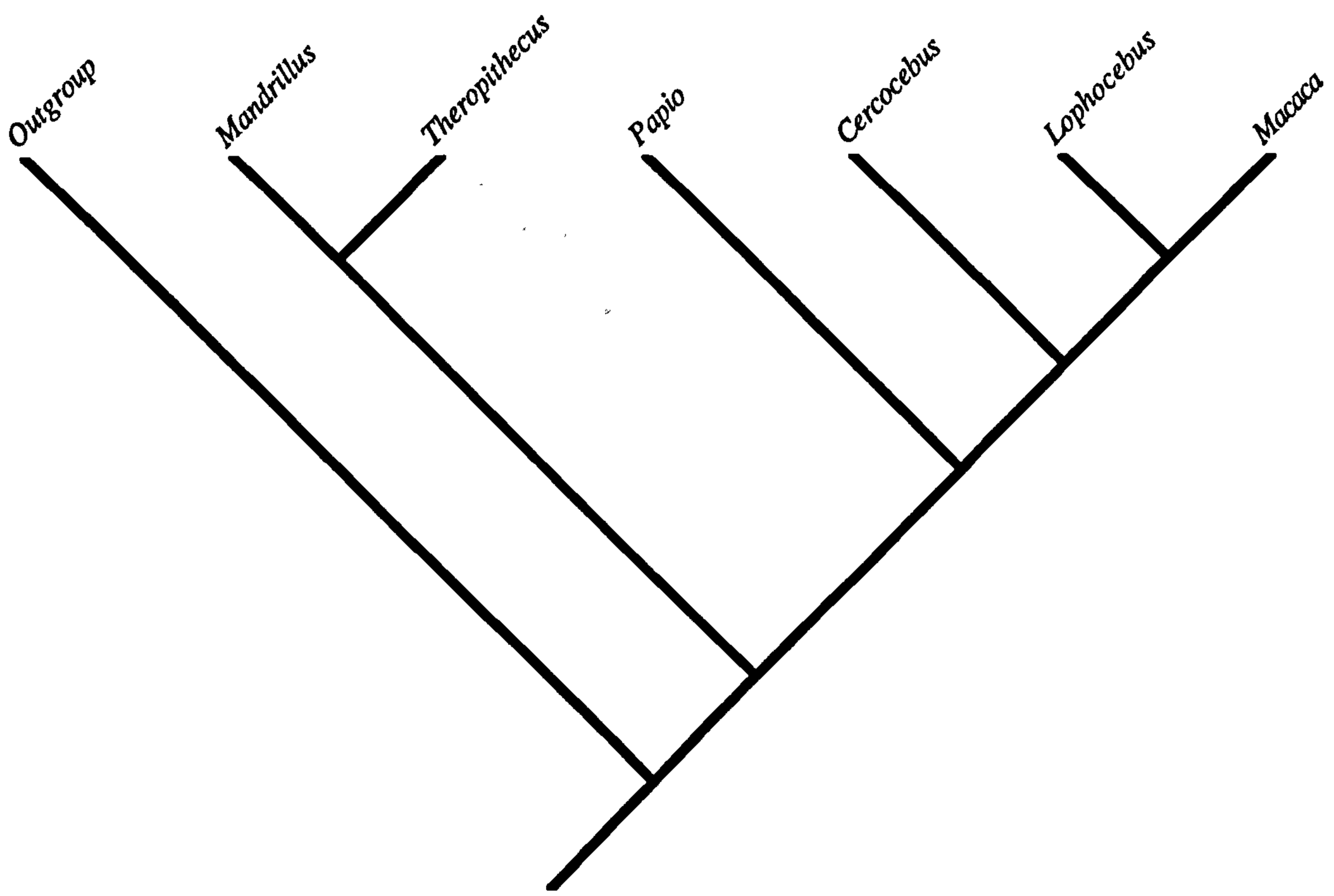


Figure 70. One of three cladograms favoured for palate characters in Analysis 24.

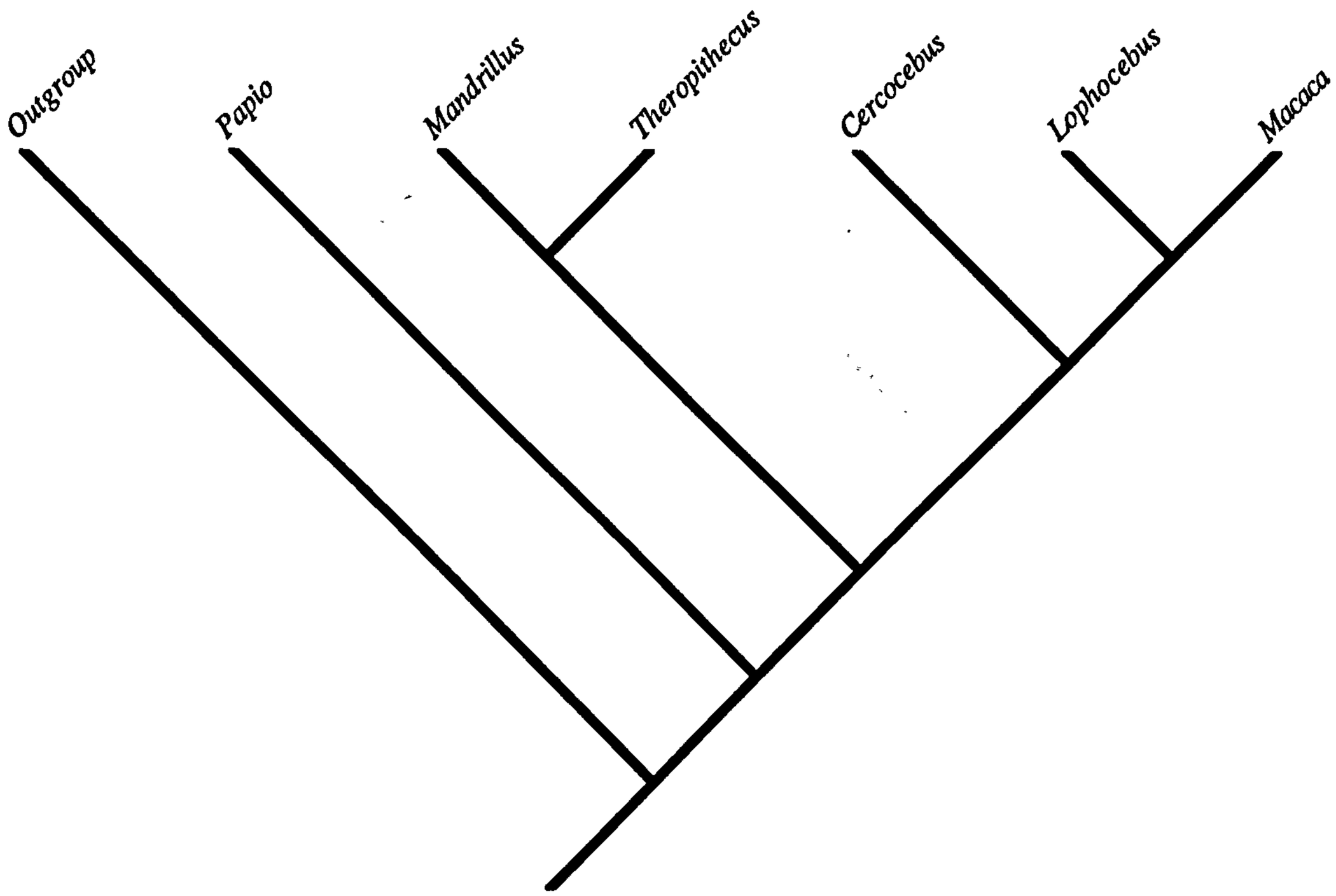


Figure 71. Most parsimonious cladogram recovered from face characters in Analysis 24.

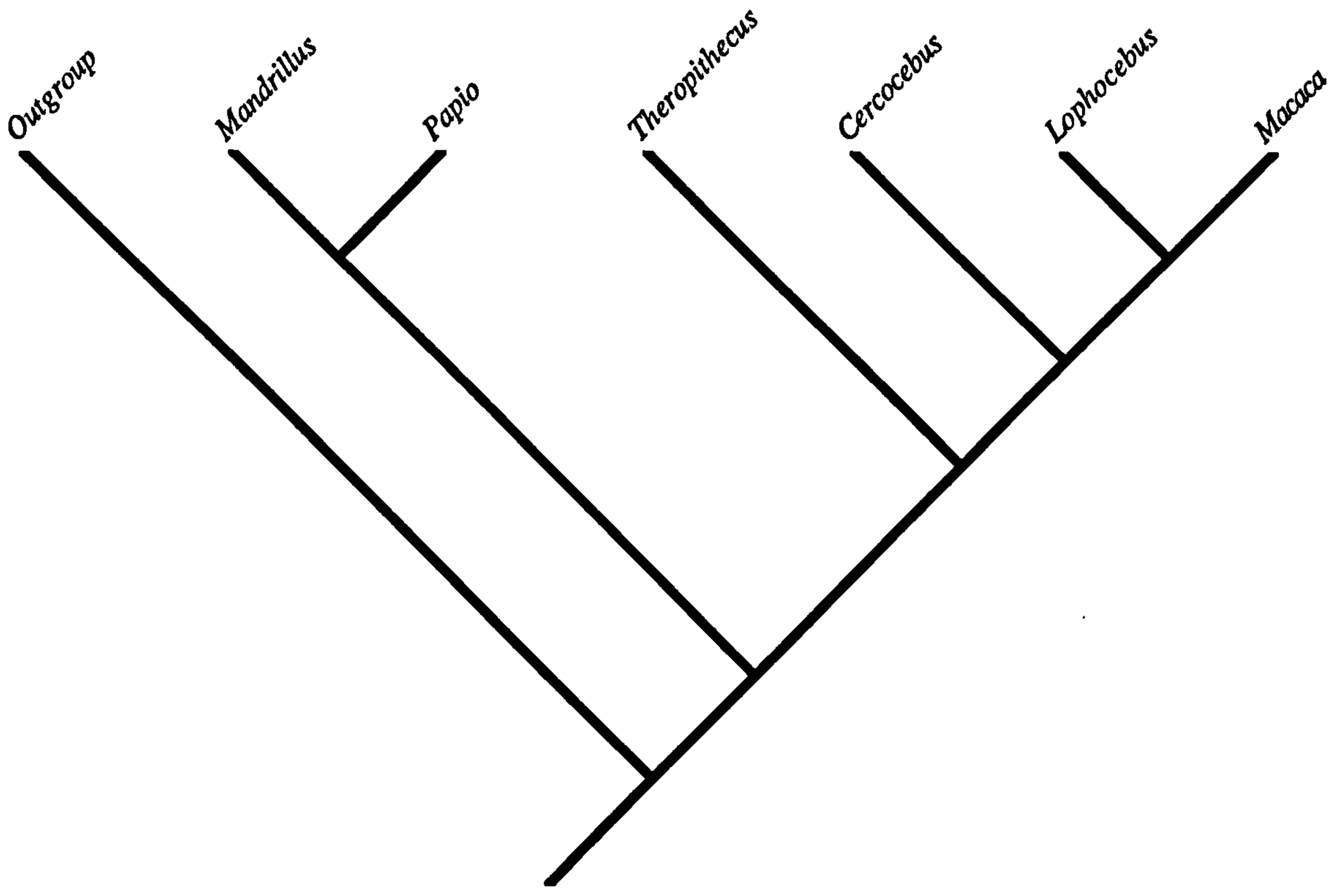


Figure 72. Most parsimonious cladogram recovered from vault characters in Analysis 24.

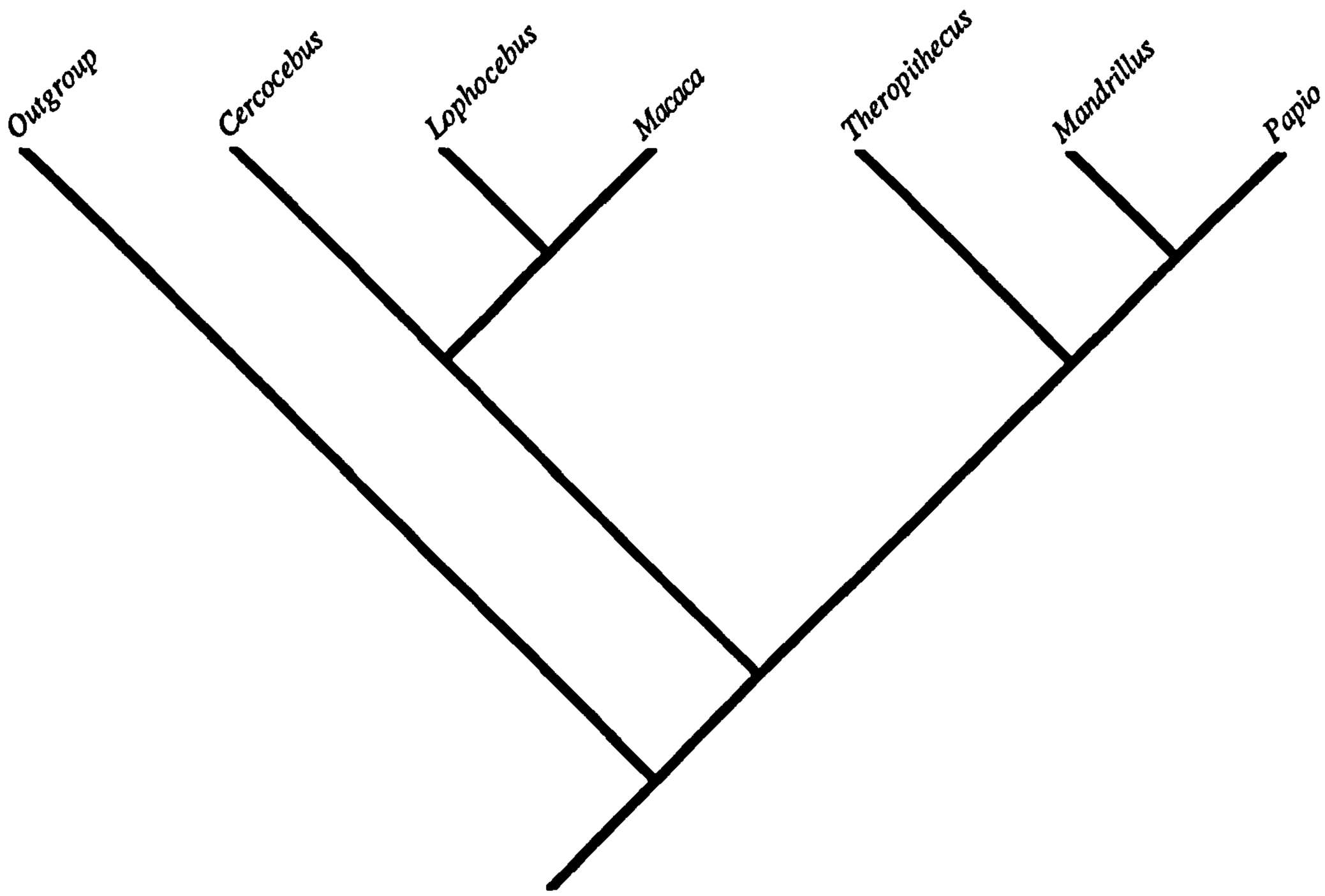


Figure 73. Most parsimonious cladogram recovered from palate characters in Analysis 25.

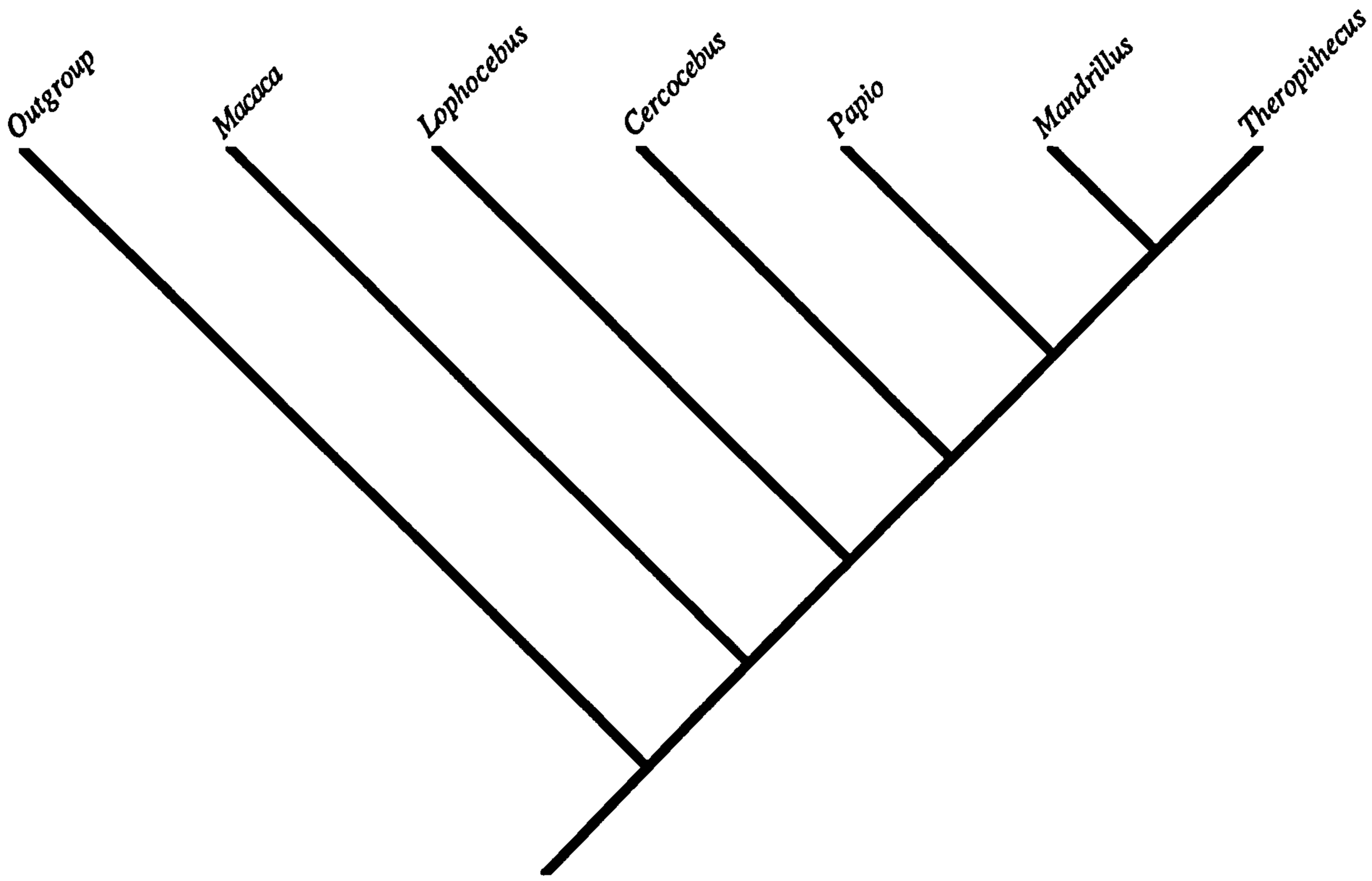


Figure 74. Cladogram favoured for mandible characters in Analysis 25.

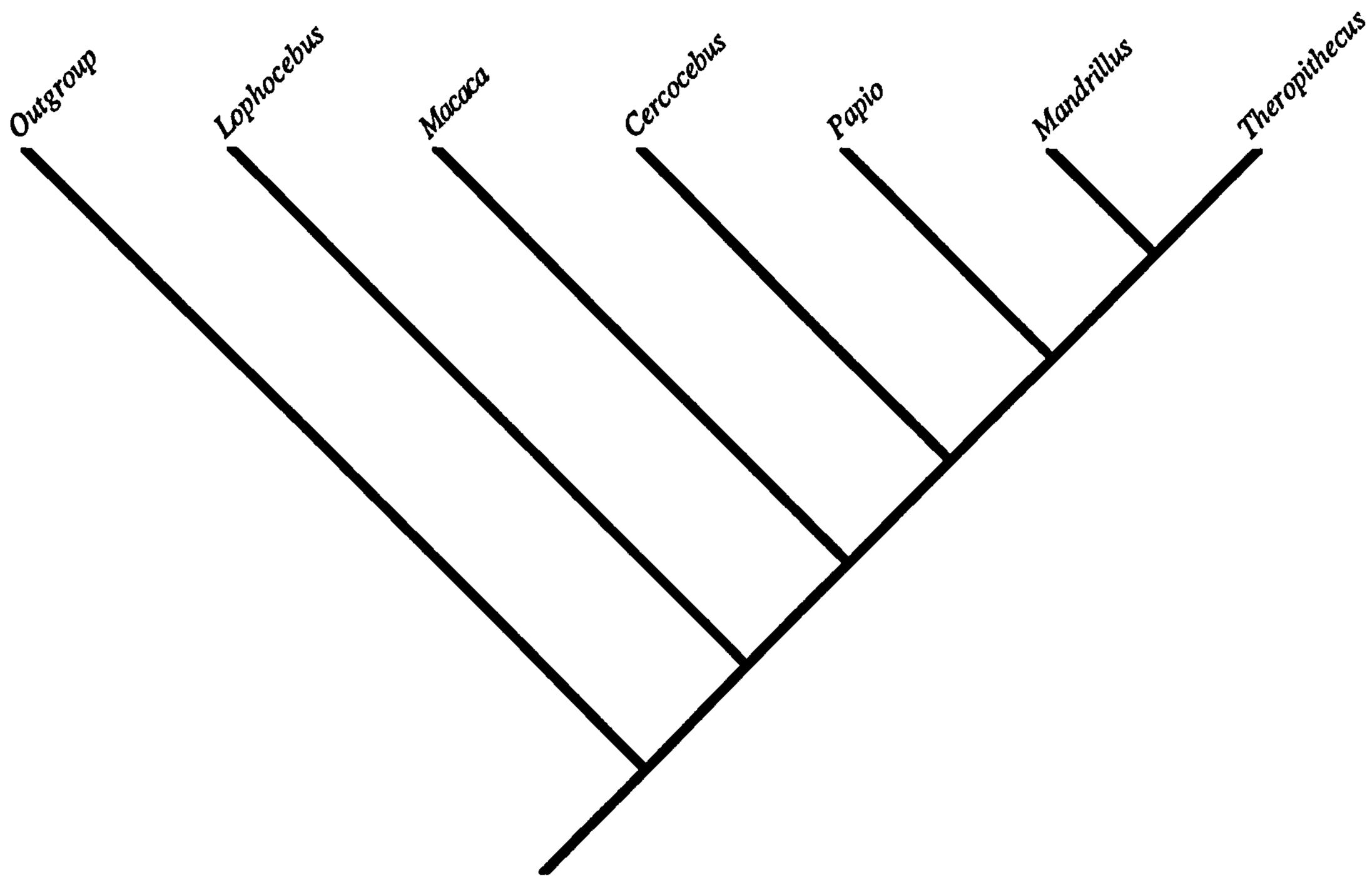


Figure 75. Cladogram favoured for face characters in Analysis 25.

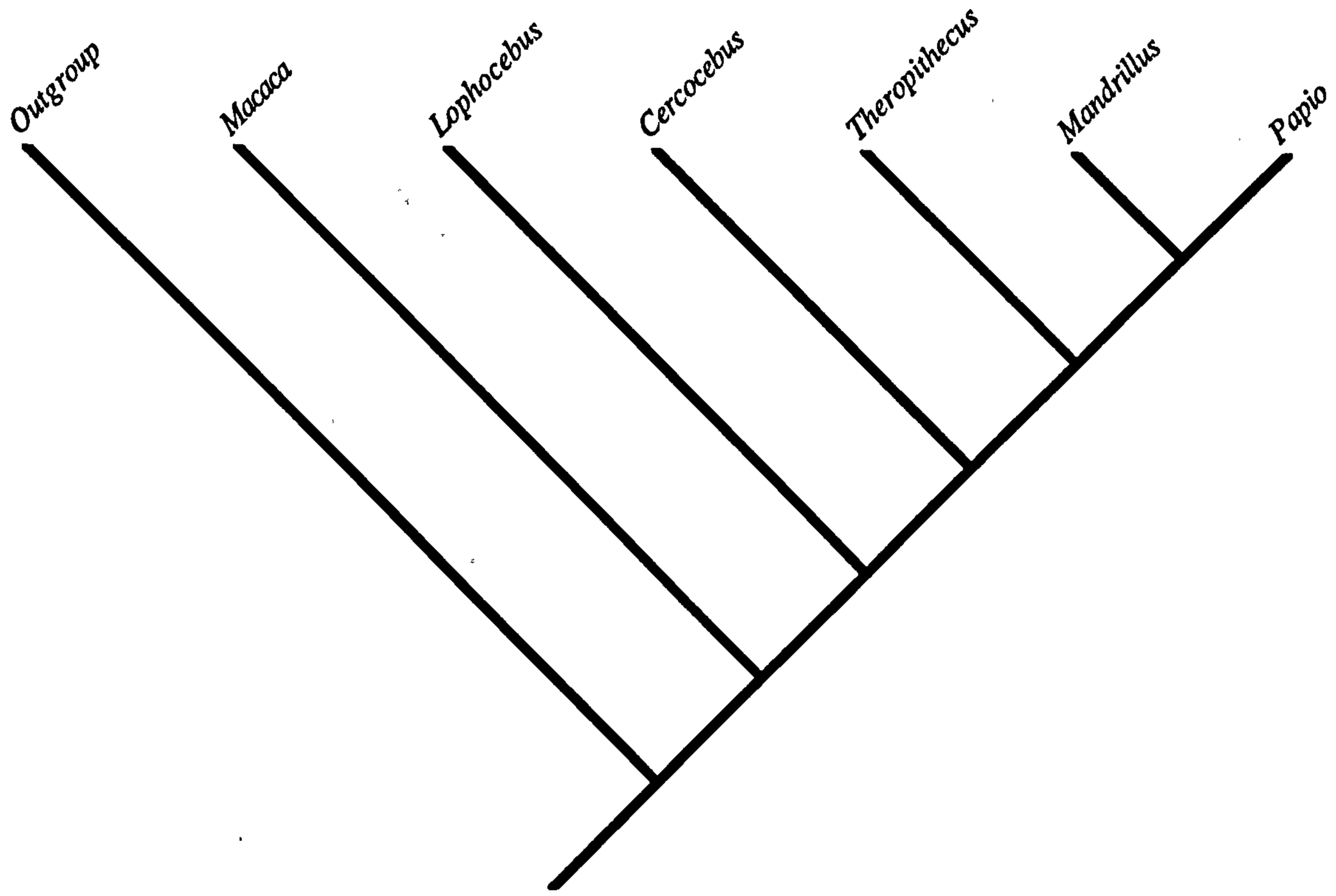


Figure 76. Most parsimonious cladogram recovered from male data in analyses HH, II, JJ and KK.

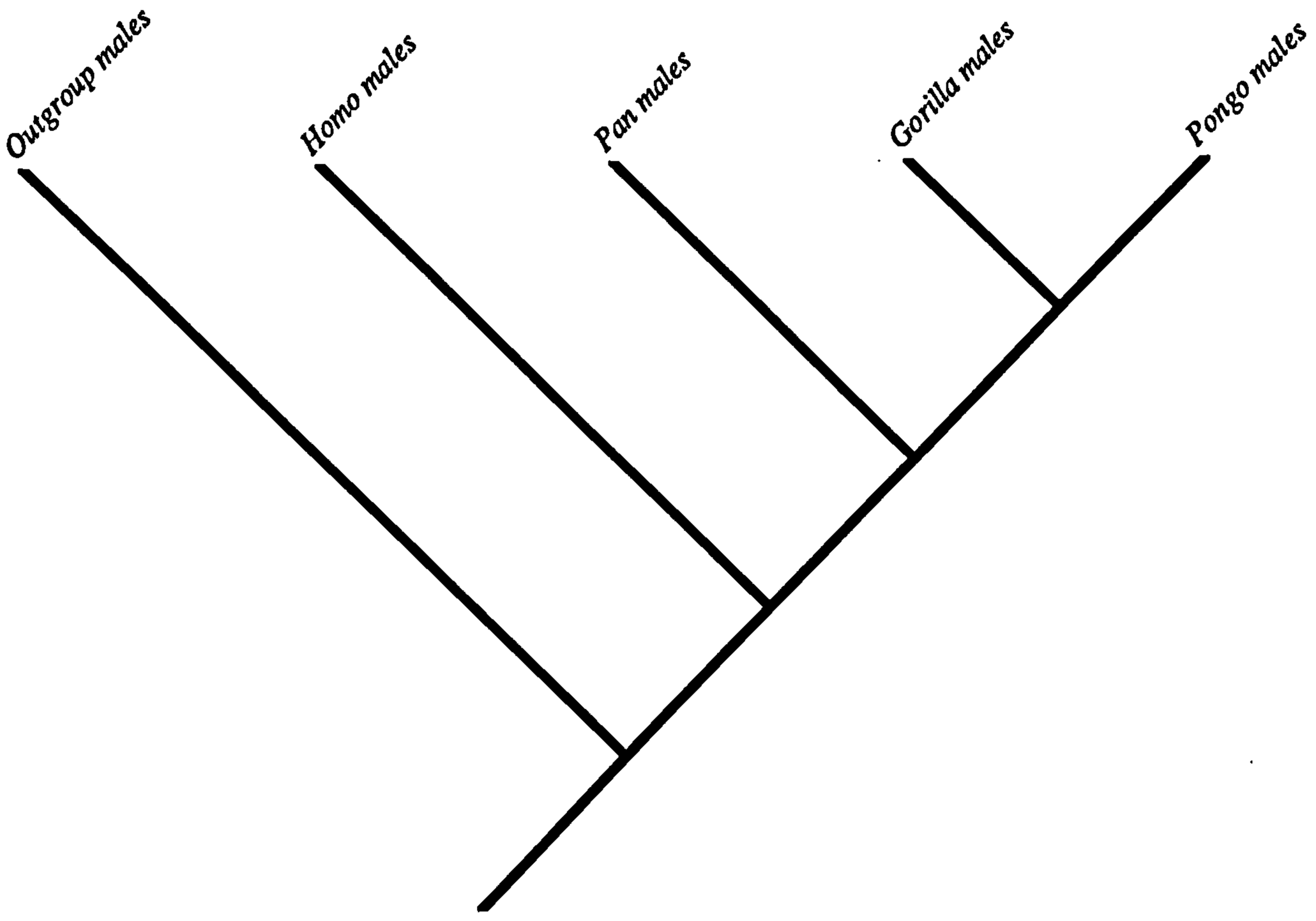


Figure 77. Cladogram favoured for female data in analyses HH, II, JJ and KK.

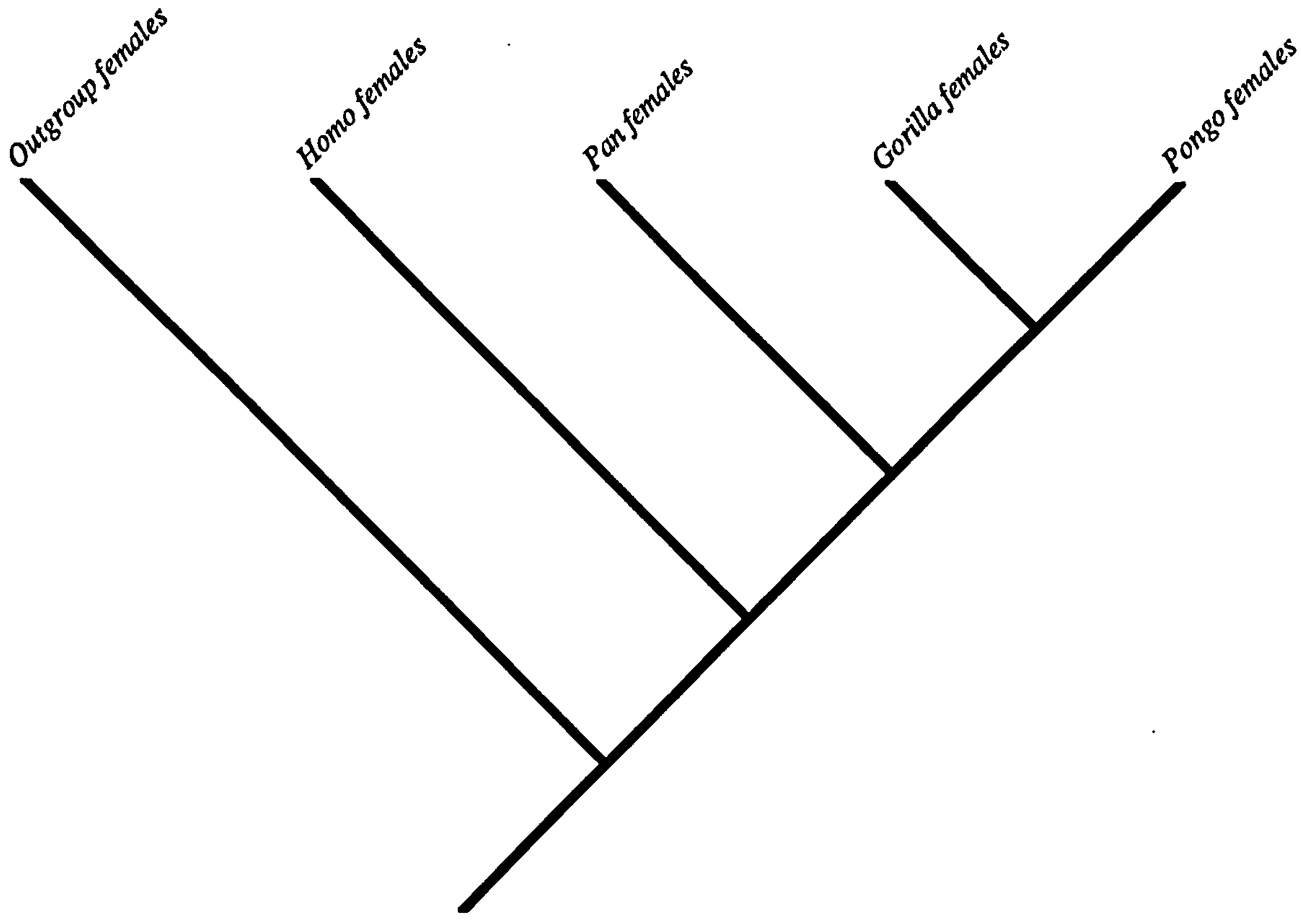


Figure 78. Most parsimonious cladogram recovered from male data in Analysis 36.

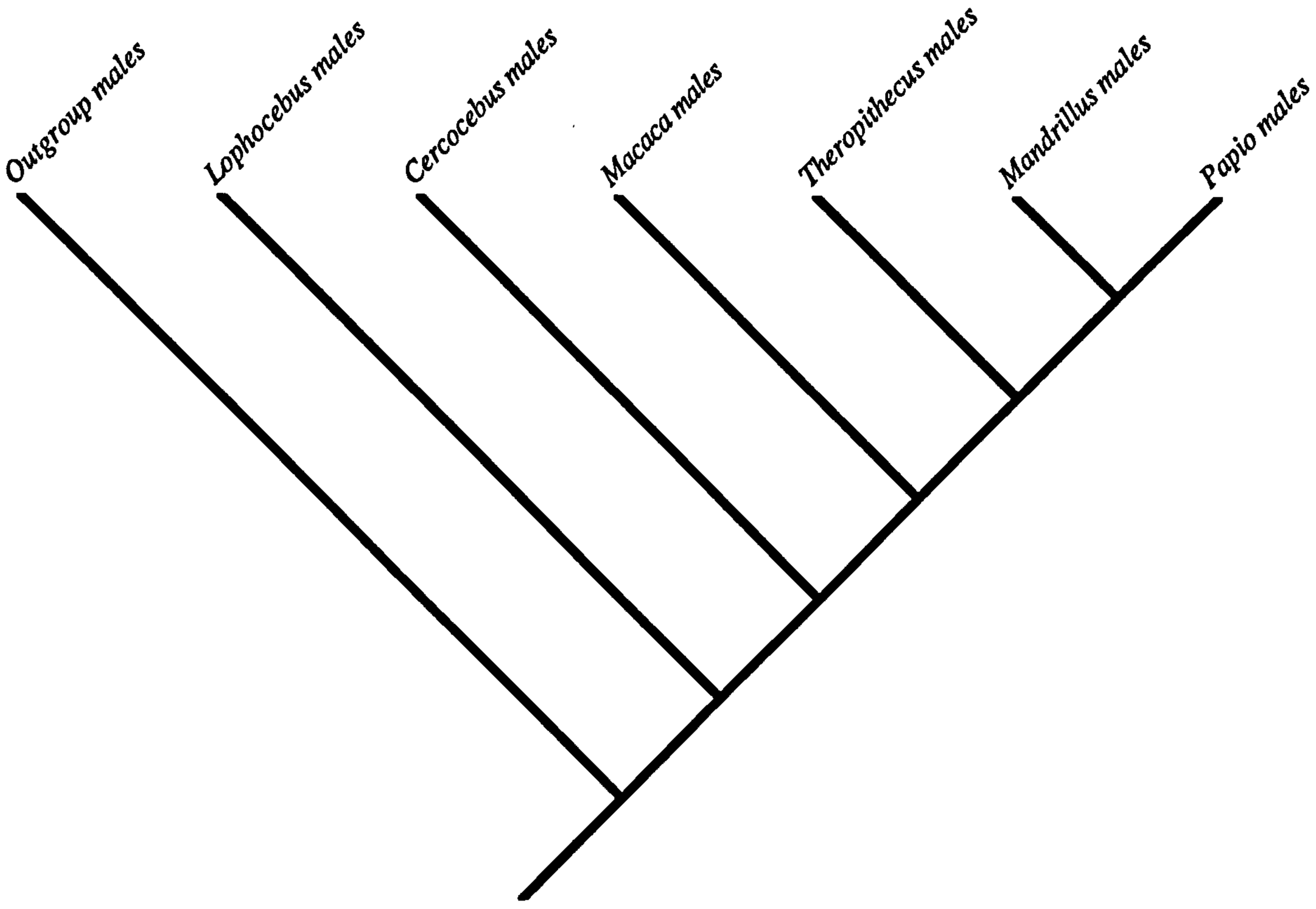


Figure 79. Most parsimonious cladogram recovered from female data in Analysis 36.

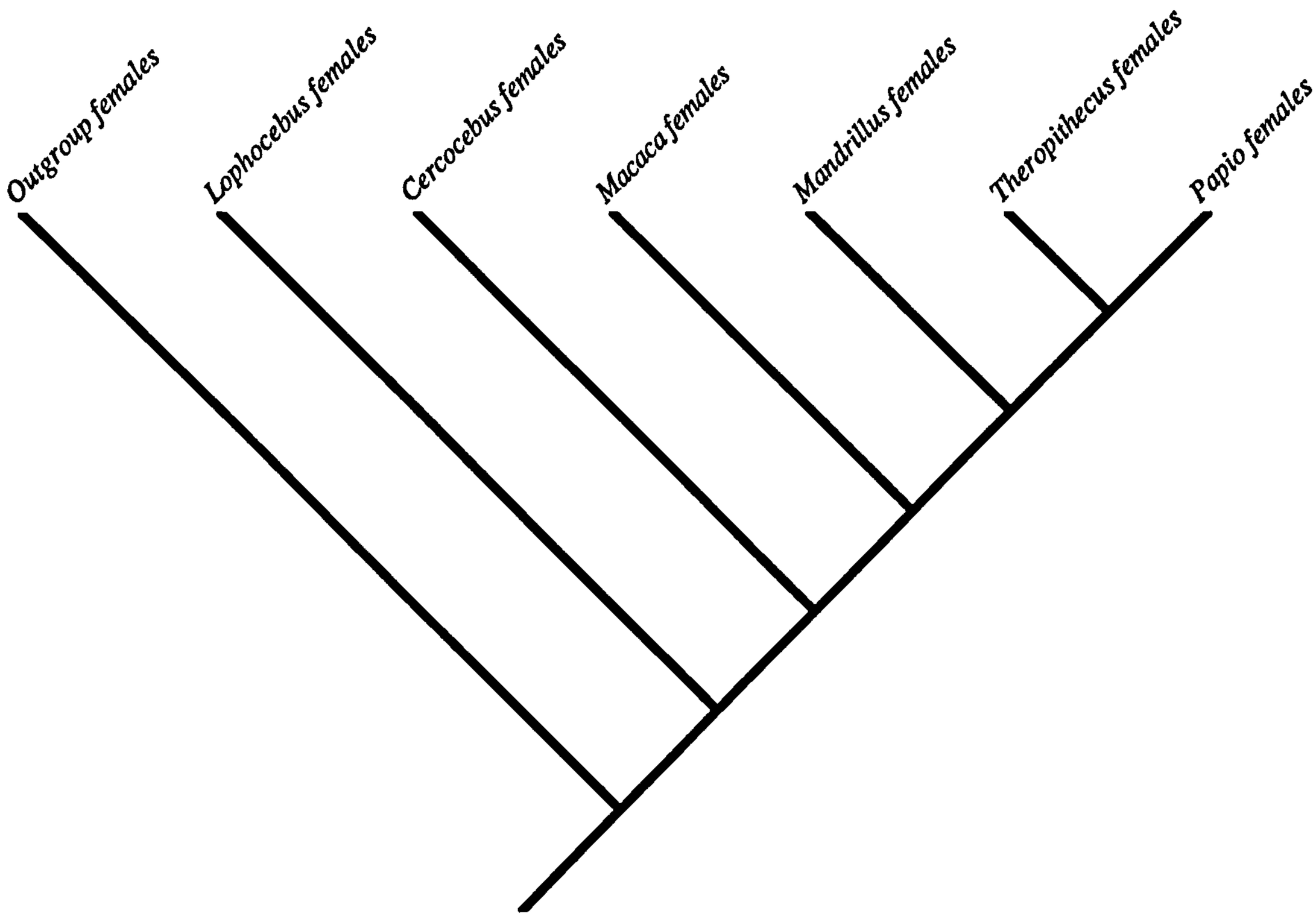


Figure 80. One of two equally parsimonious cladograms recovered from male data in Analysis 37.

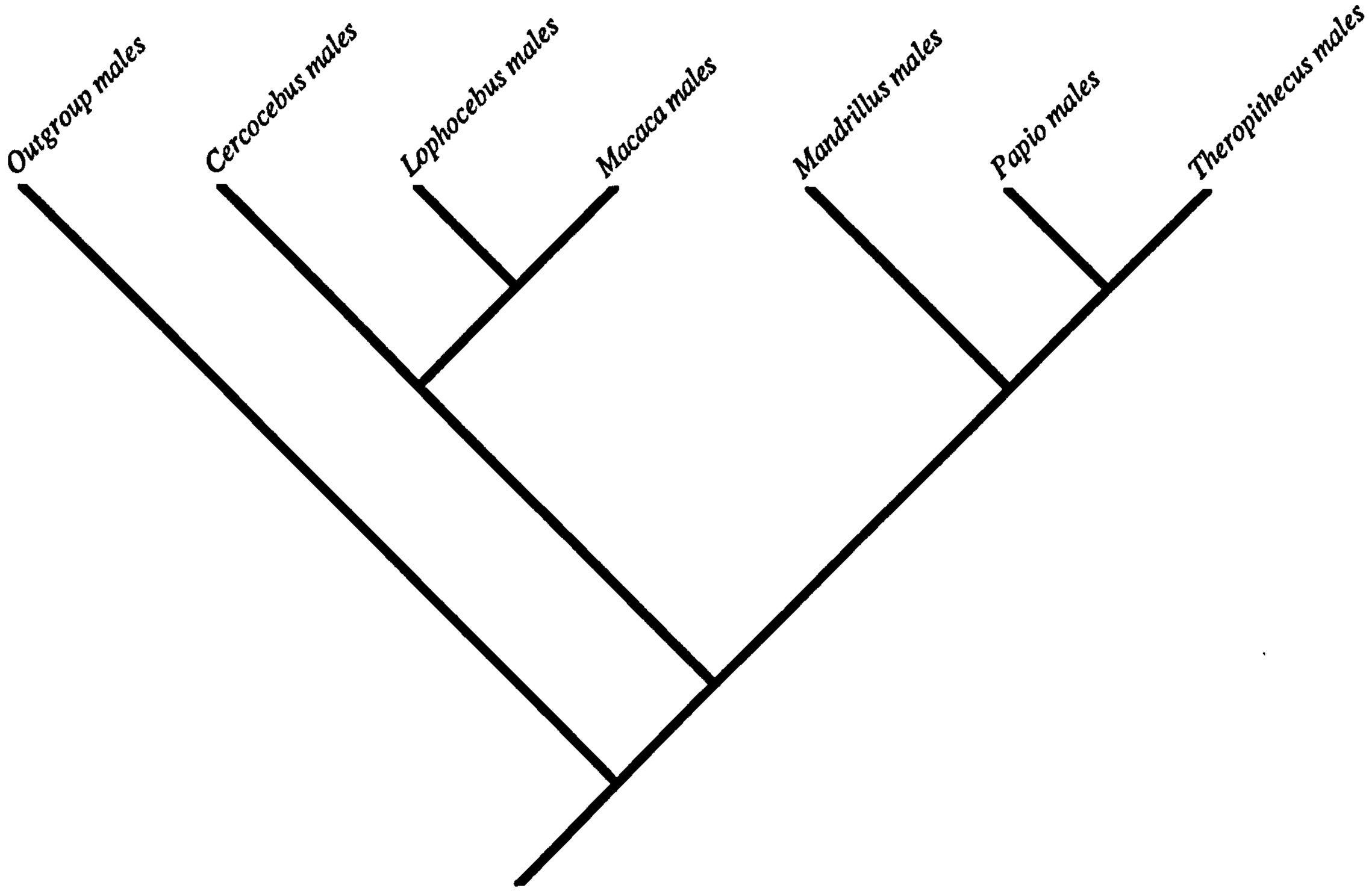


Figure 81. One of two equally parsimonious cladograms recovered from male data in Analysis 37.

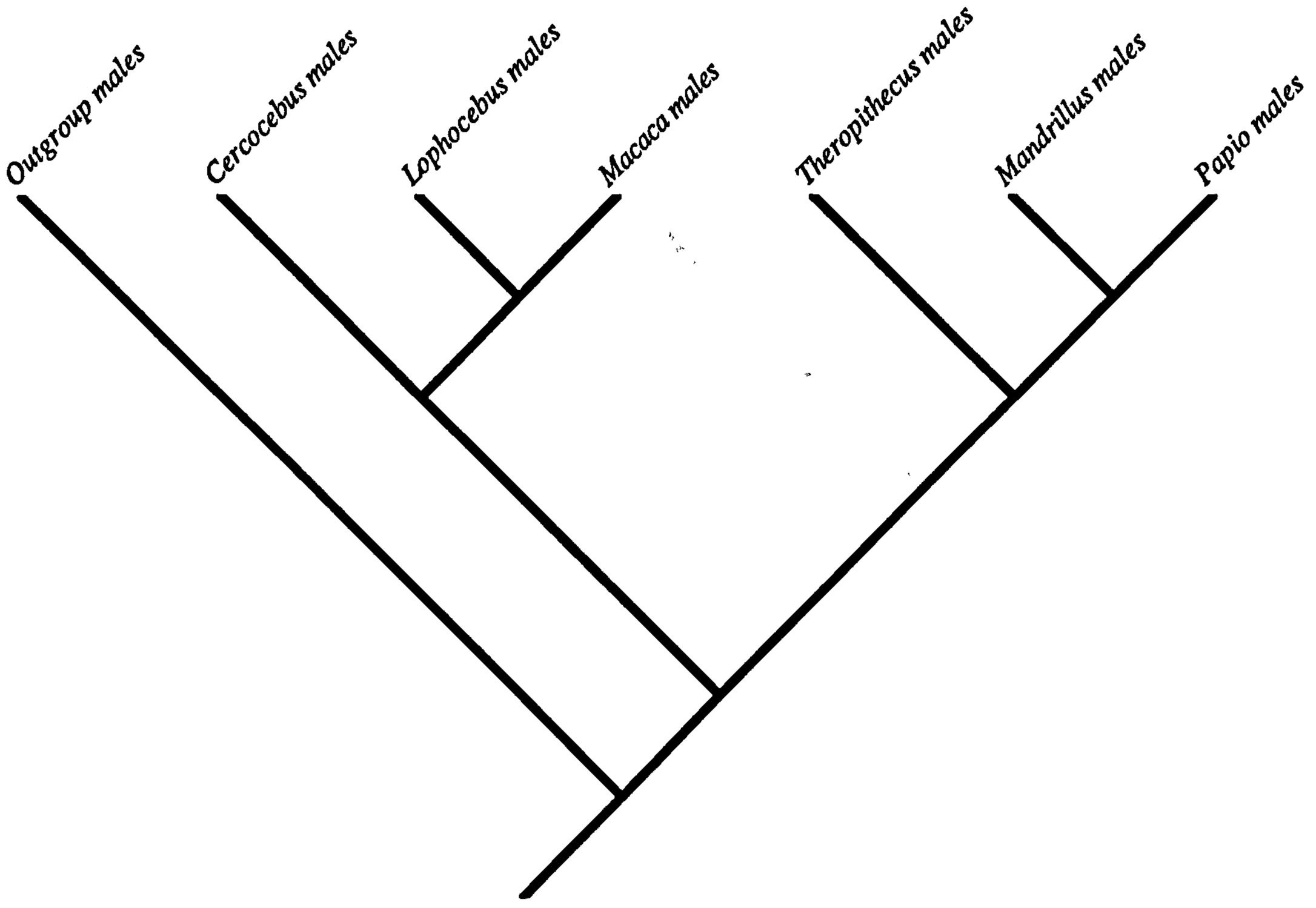


Figure 82. Most parsimonious cladogram recovered from female data in analyses 37.

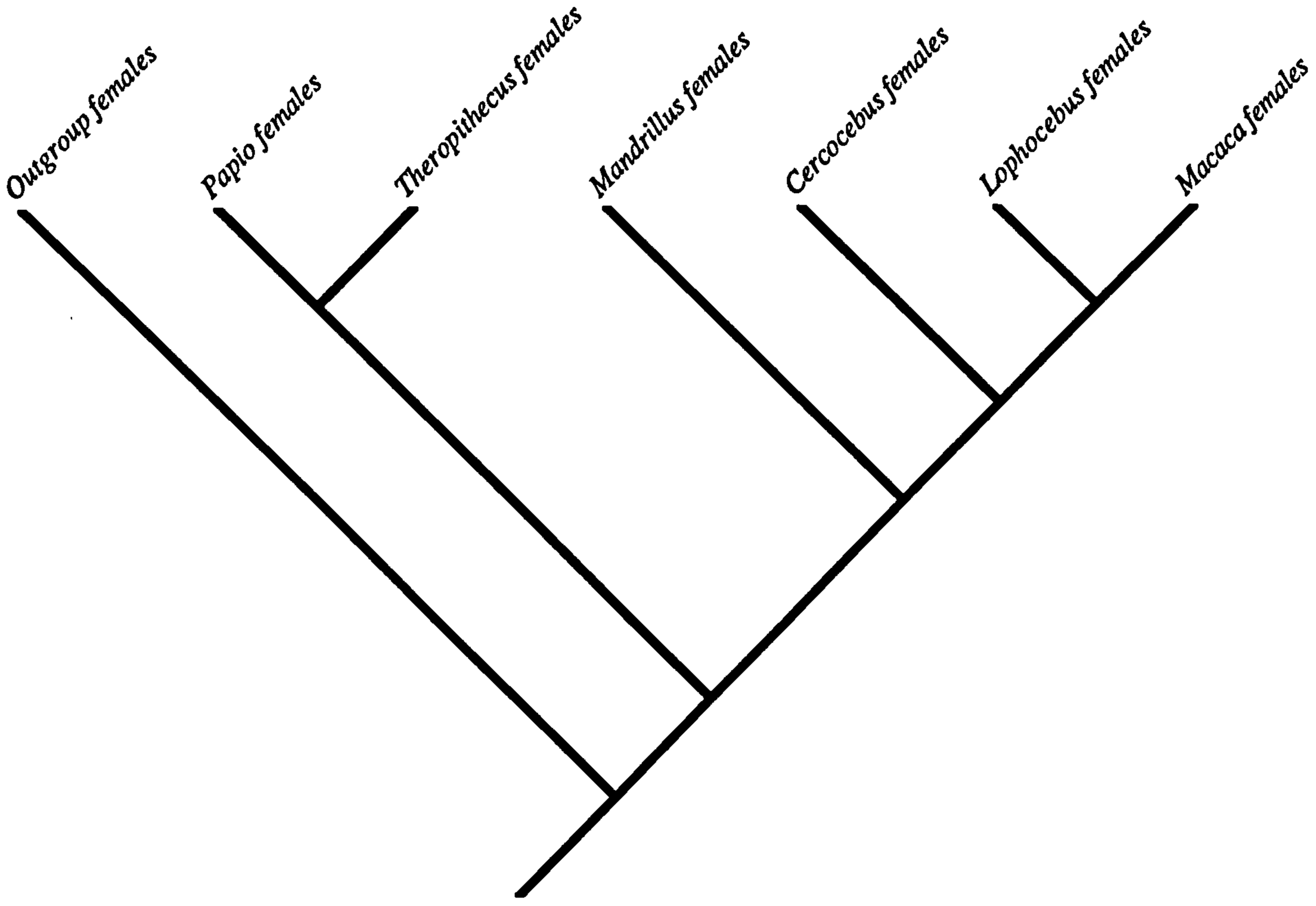


Figure 83. Most parsimonious cladogram recovered from male data in analyses TT, UU, VV, WW, FFF, III, SSS, TTT, UUU, VVV, FFFF, GGGG and HHHH.

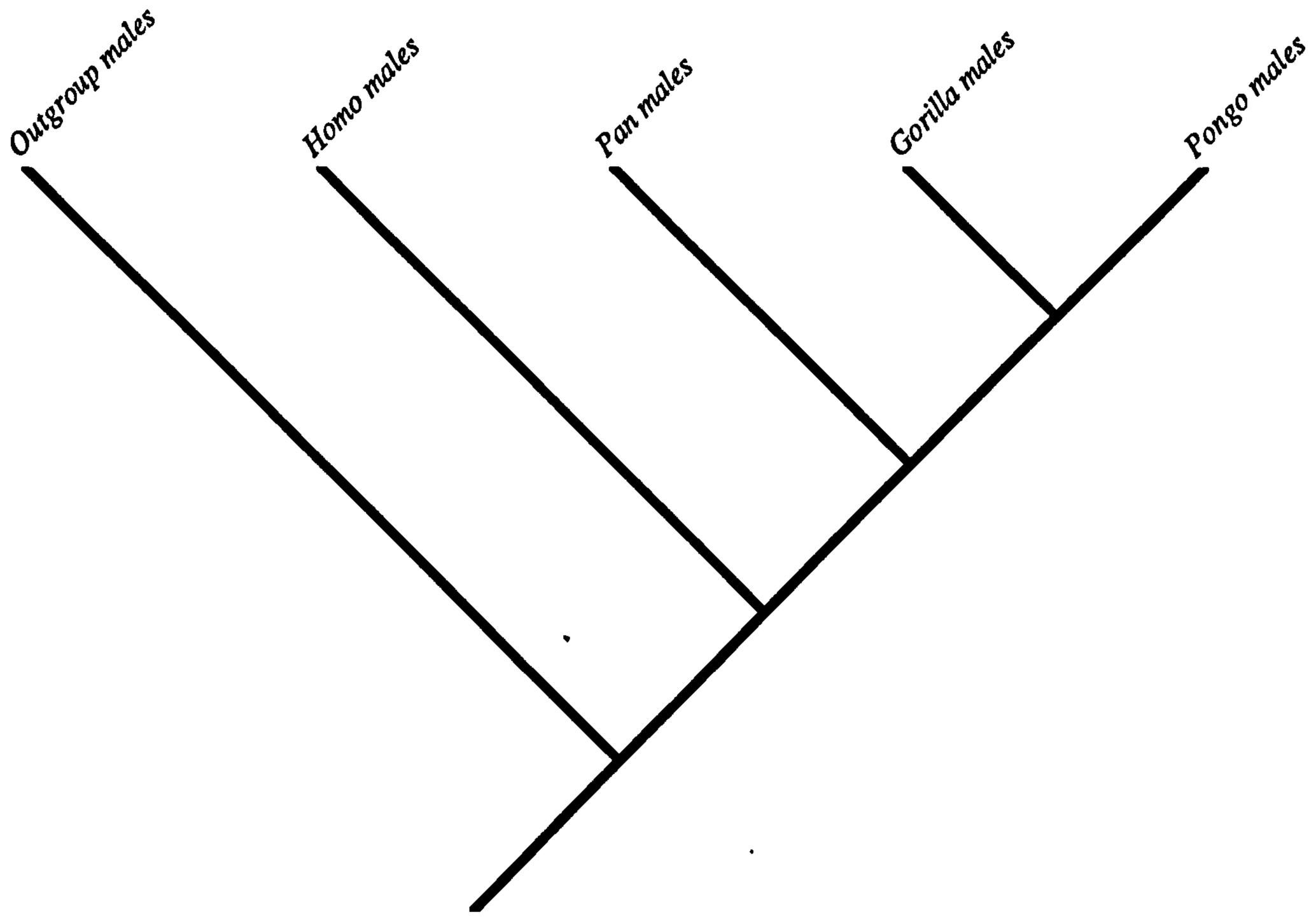


Figure 84. Cladogram favoured for female data in analyses TT, UU, WW, FFF and HHHH. One of two equally parsimonious cladograms recovered from female data in Analysis VV. One of three equally parsimonious cladograms retrieved from female data in Analysis UUU.

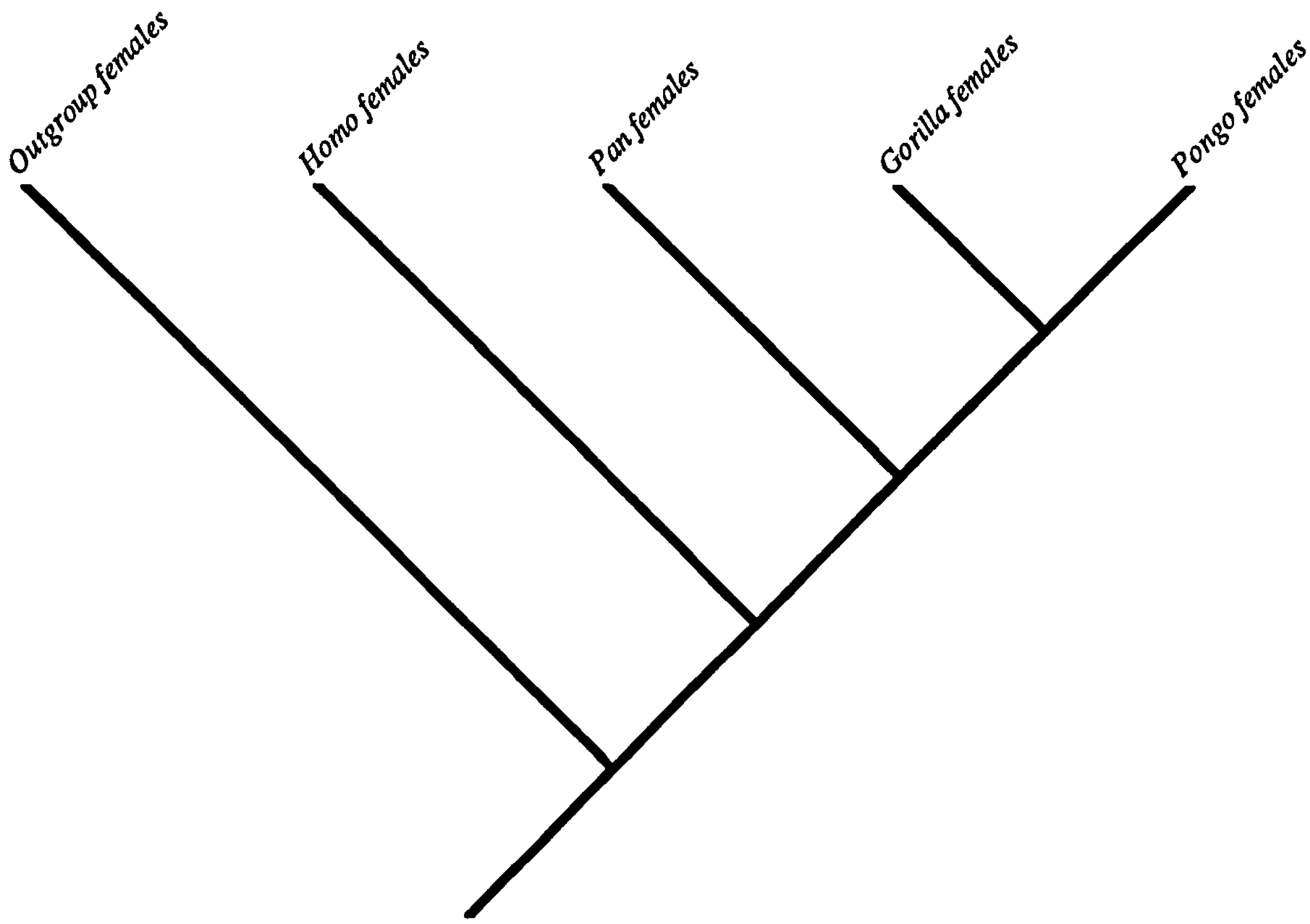


Figure 85. First of two equally parsimonious cladograms recovered from female data in Analysis VV. Cladogram favoured for female data in analyses GGG, HHH, III and UUU.

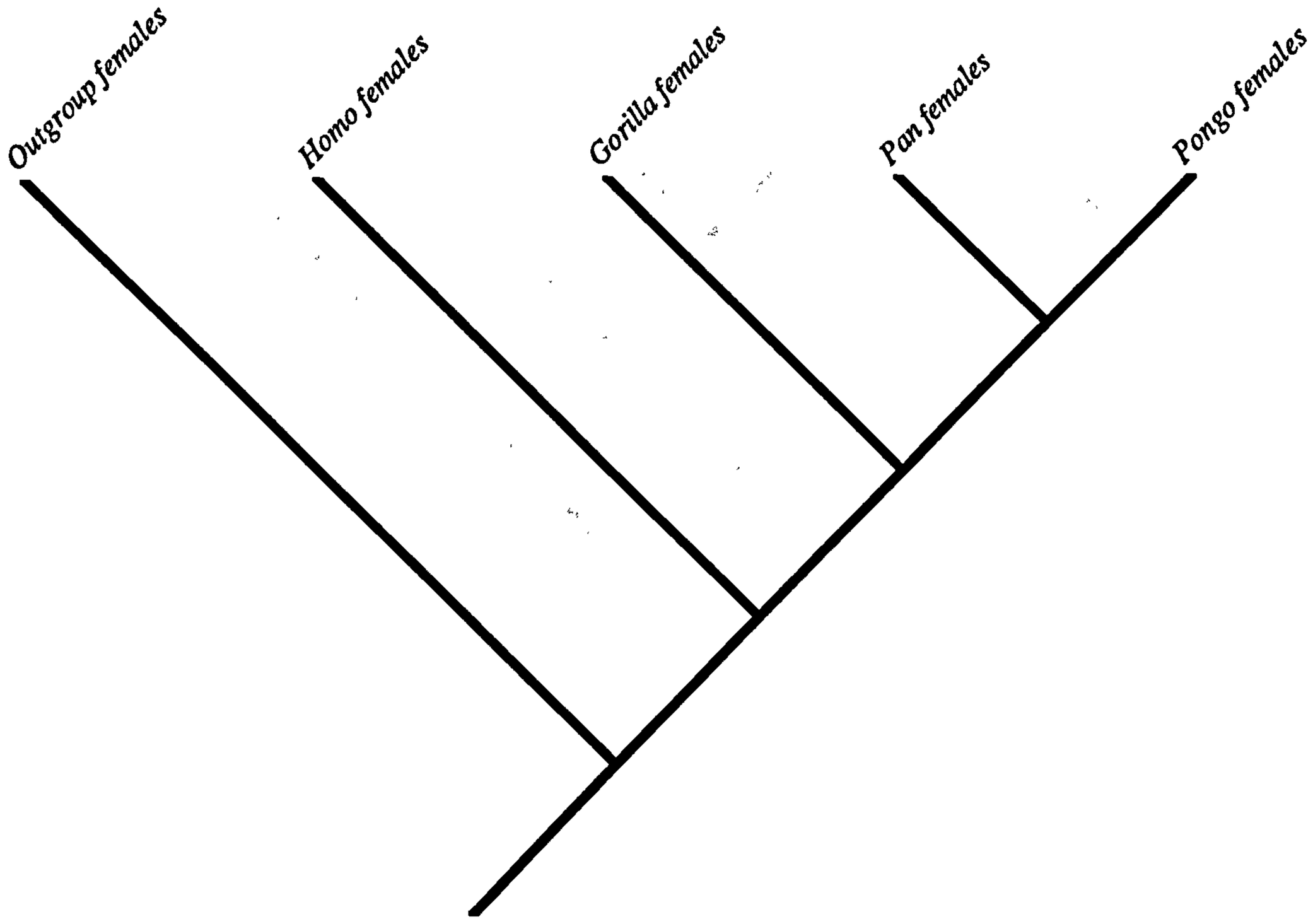


Figure 86. Most parsimonious cladogram recovered from male data in Analysis 42.

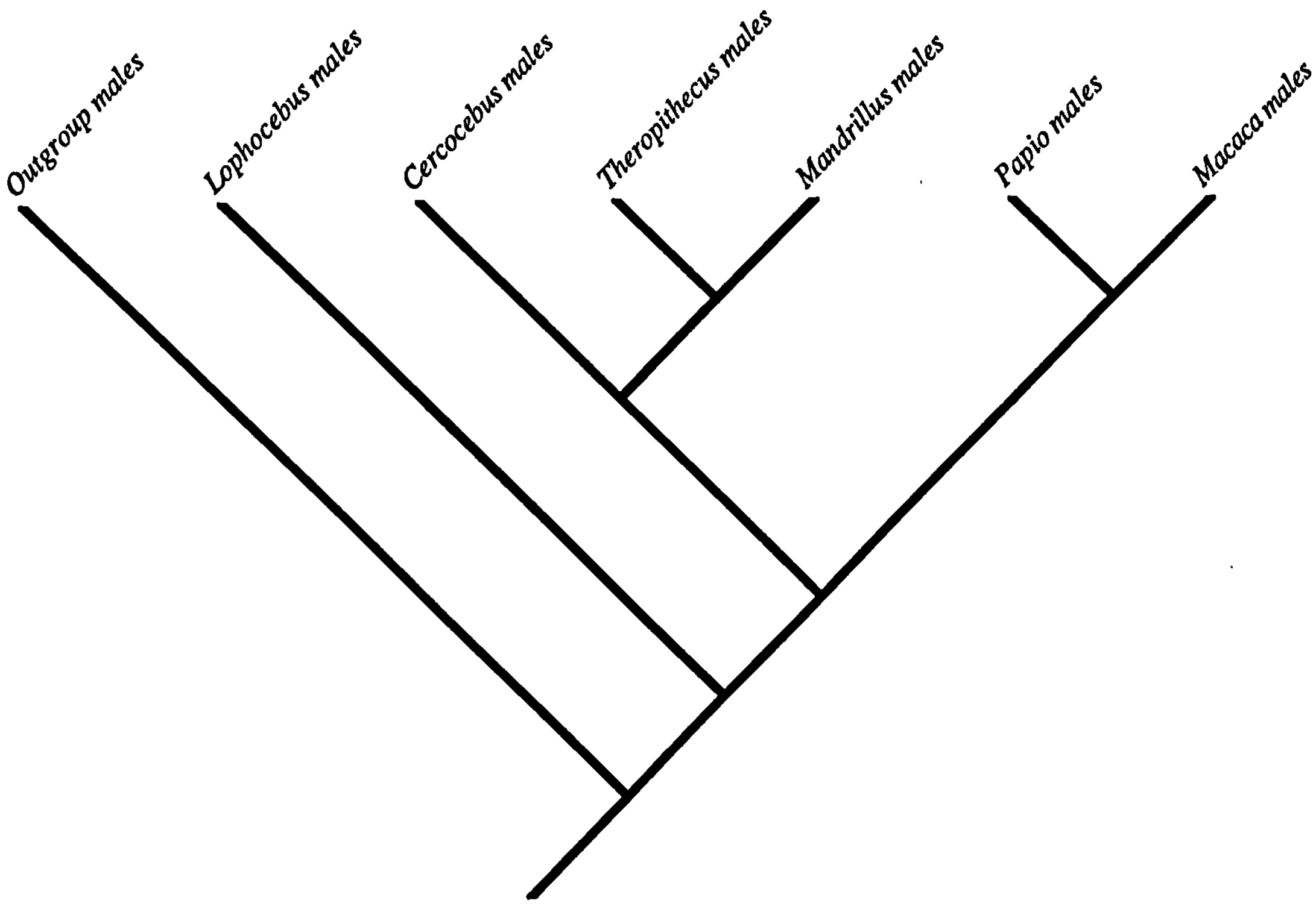


Figure 87. Most parsimonious cladogram recovered from female data in analyses 42 and 43.

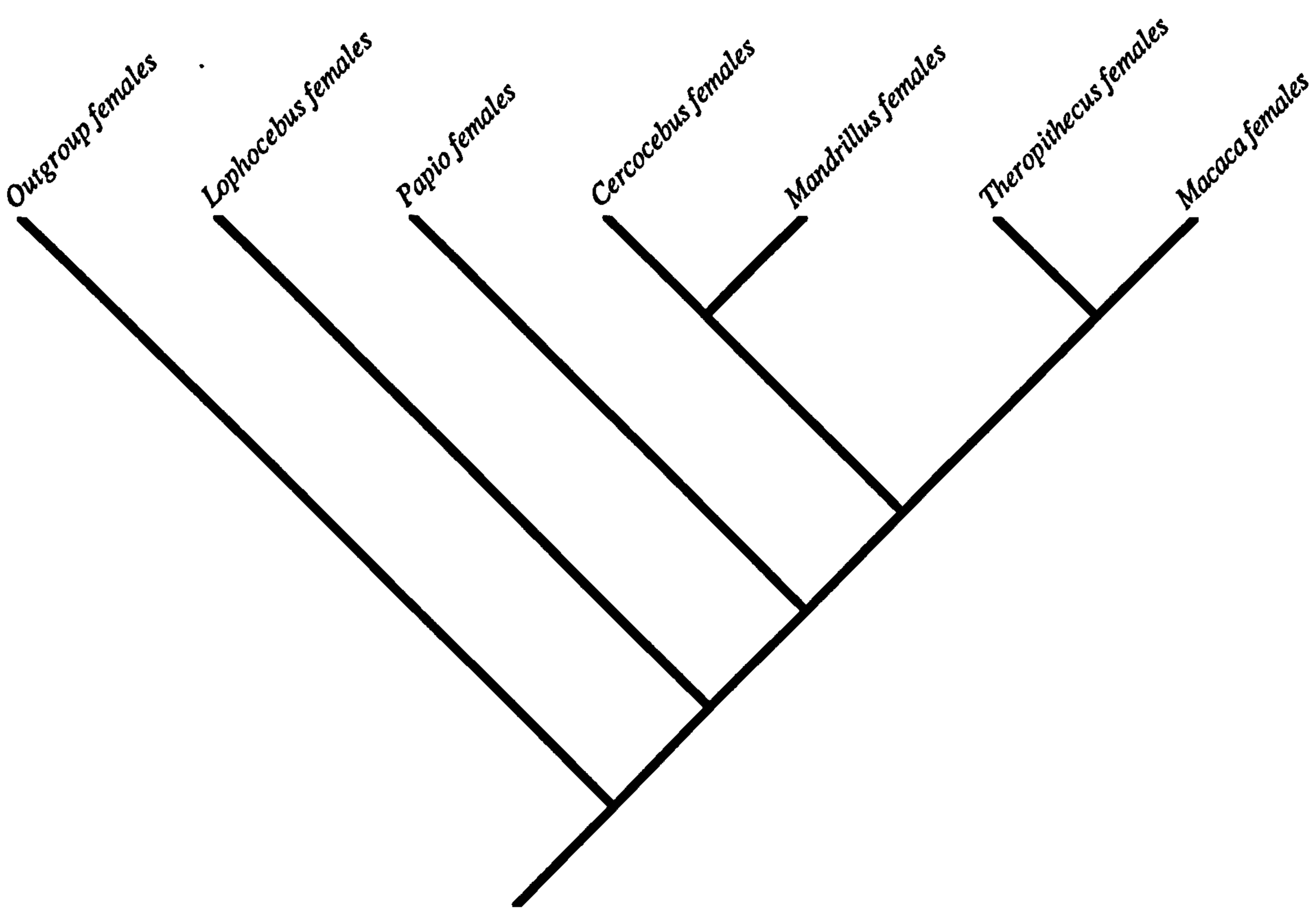


Figure 88. Most parsimonious cladogram recovered from male data in Analysis 43.

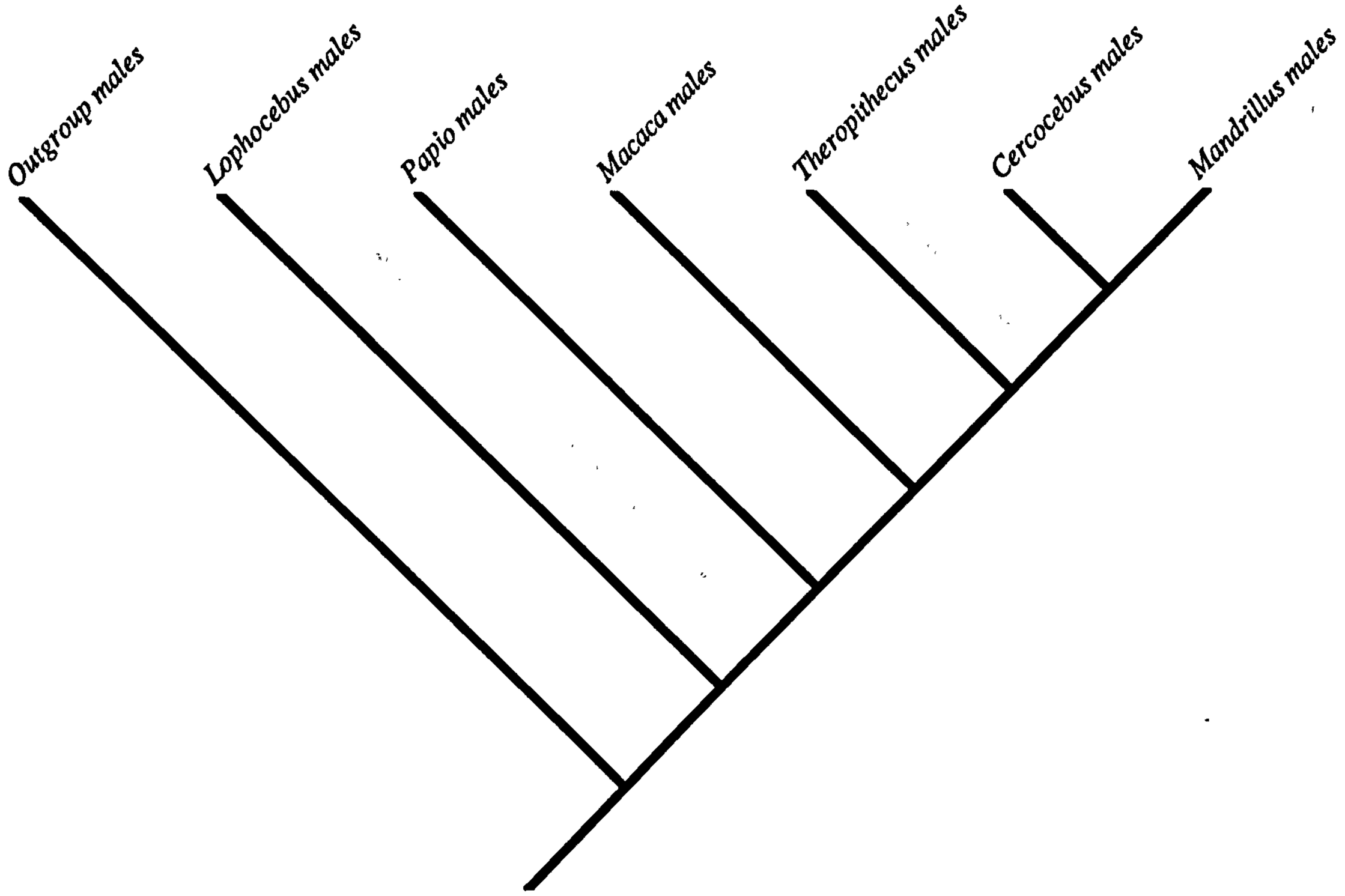


Figure 89. Most parsimonious cladogram recovered from male data in analyses GGG and HHH.

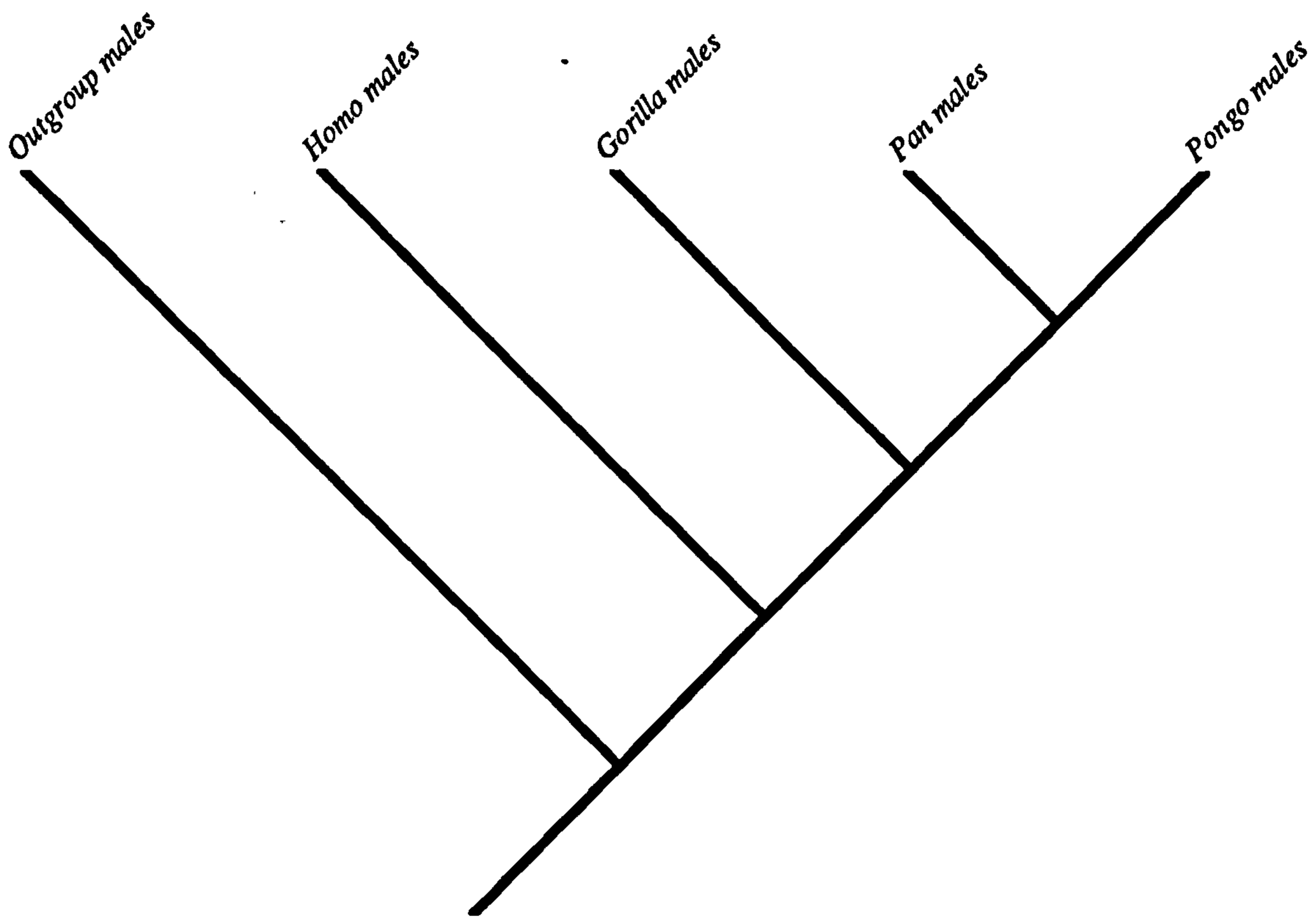


Figure 90. Most parsimonious cladogram recovered from male data in Analysis 48.

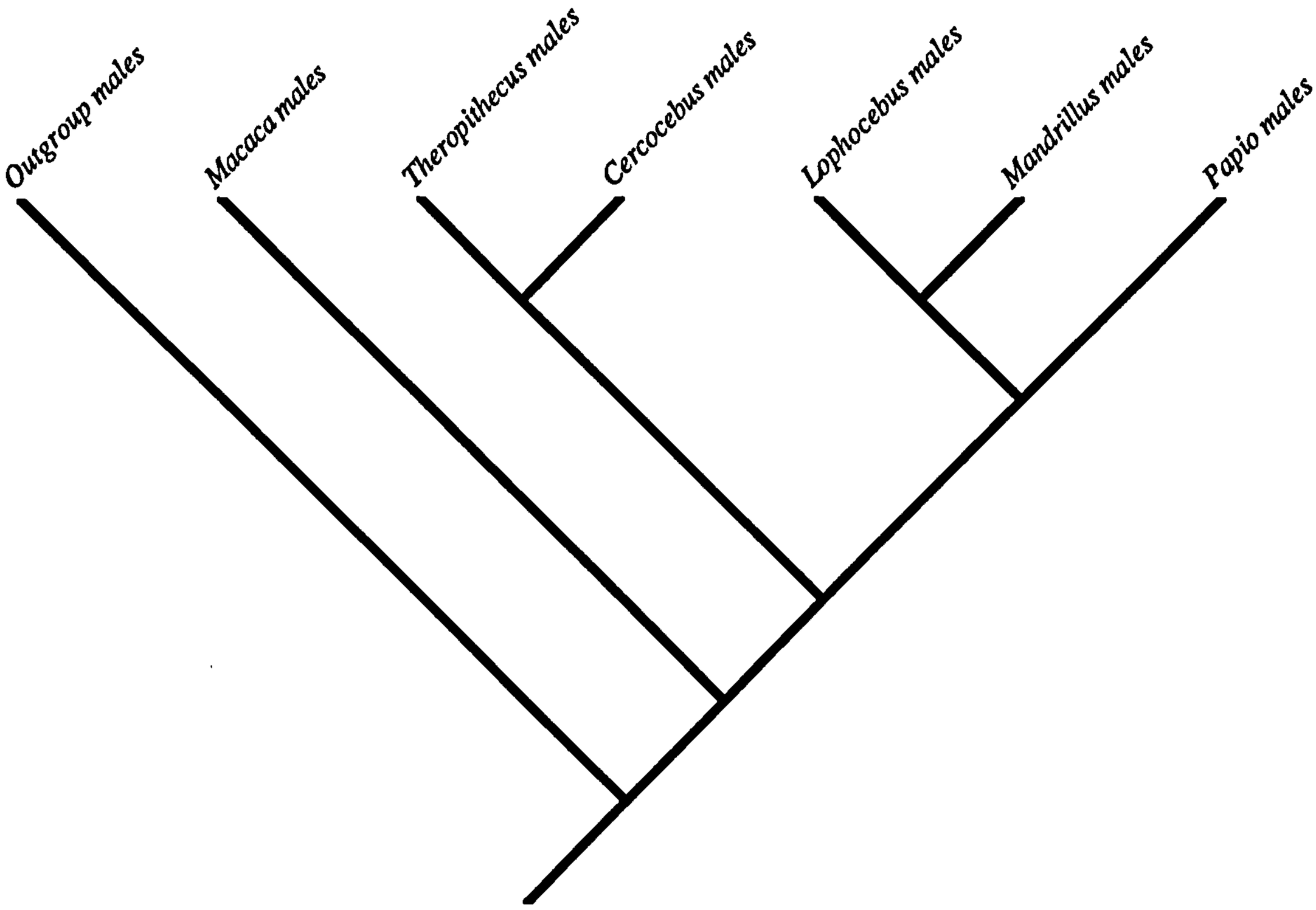


Figure 91. One of three cladograms favoured for female data in Analysis 48.

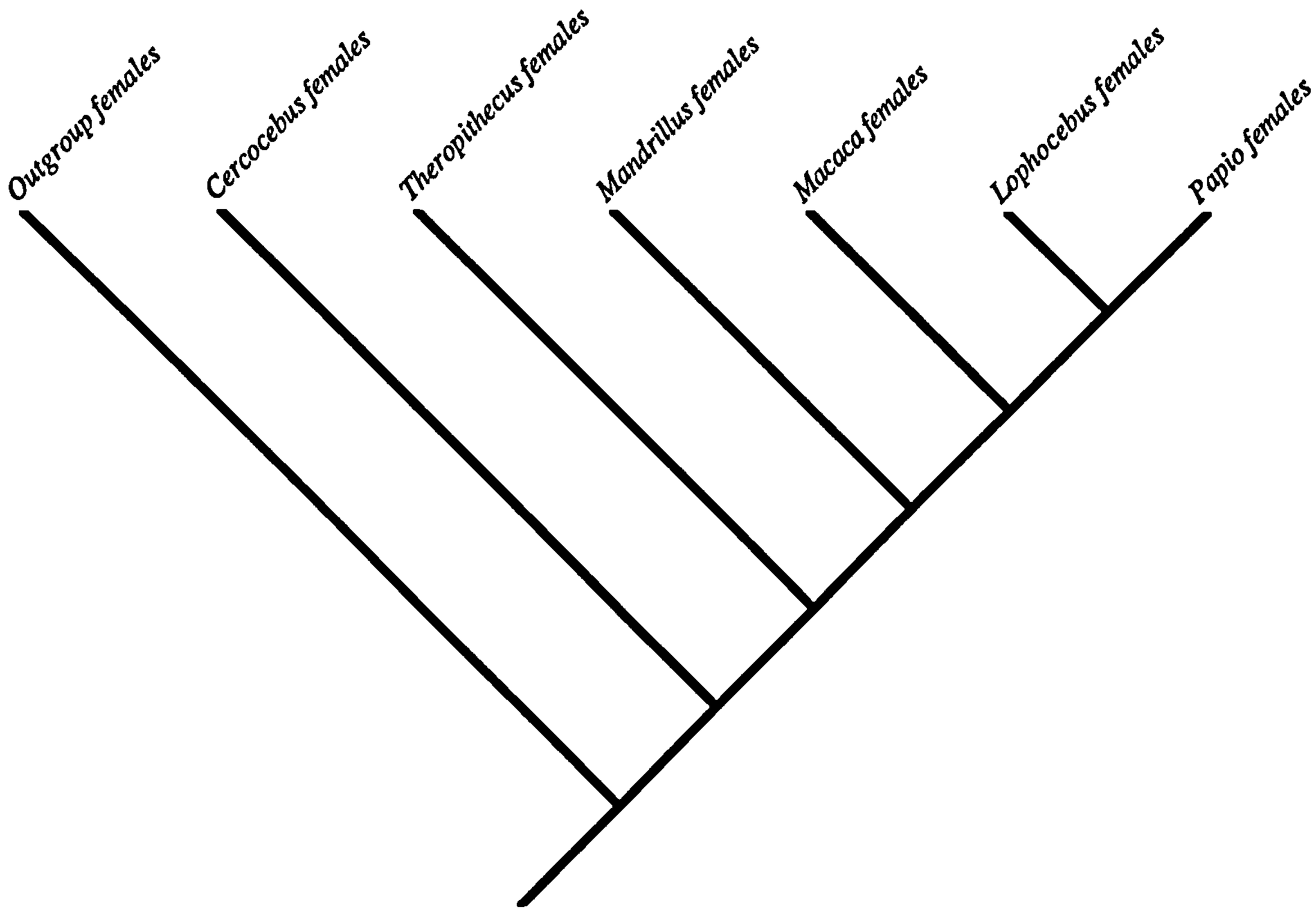


Figure 92. One of three cladograms favoured for female data in Analysis 48.

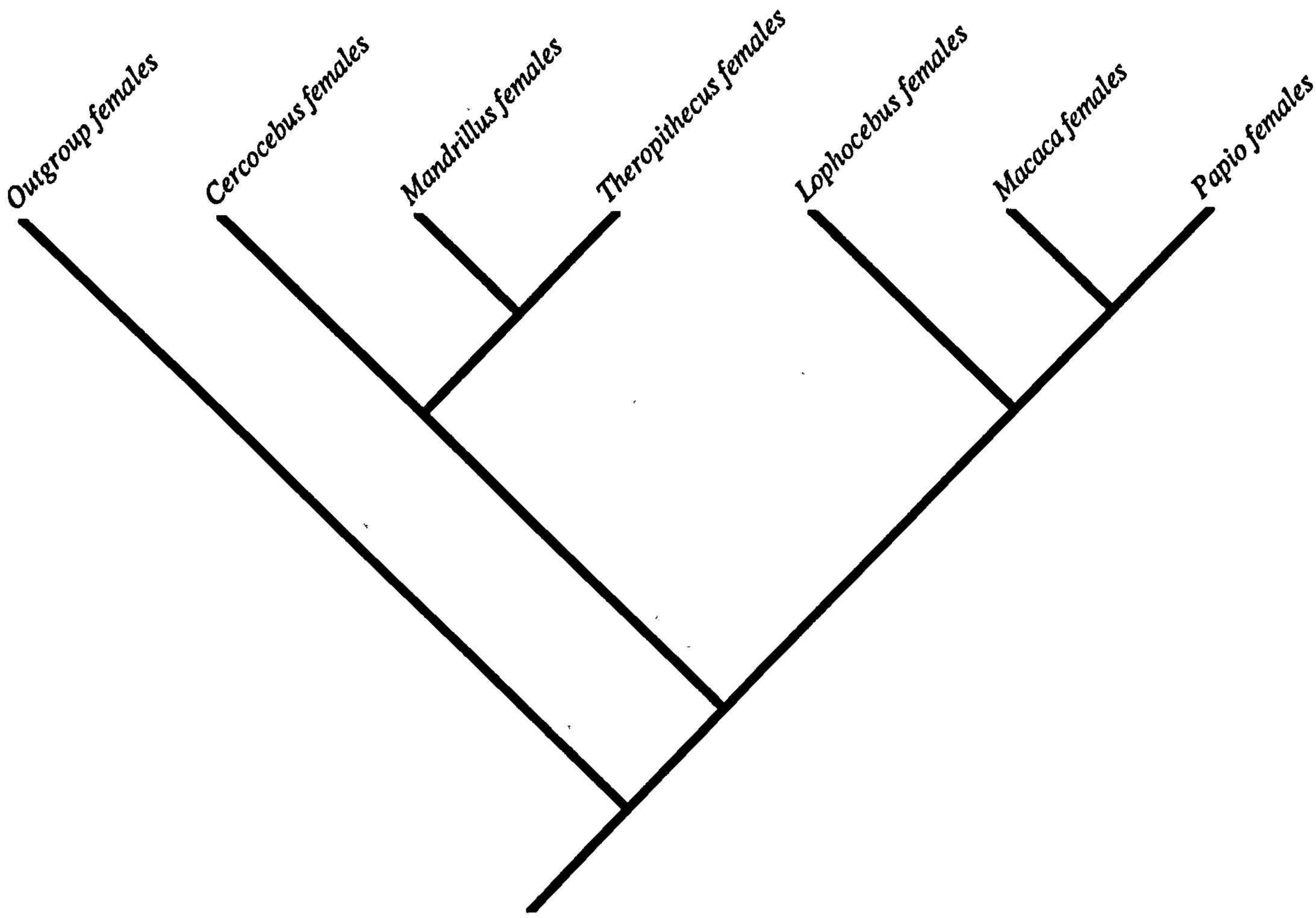


Figure 93. One of three cladograms favoured for female data in Analysis 48.

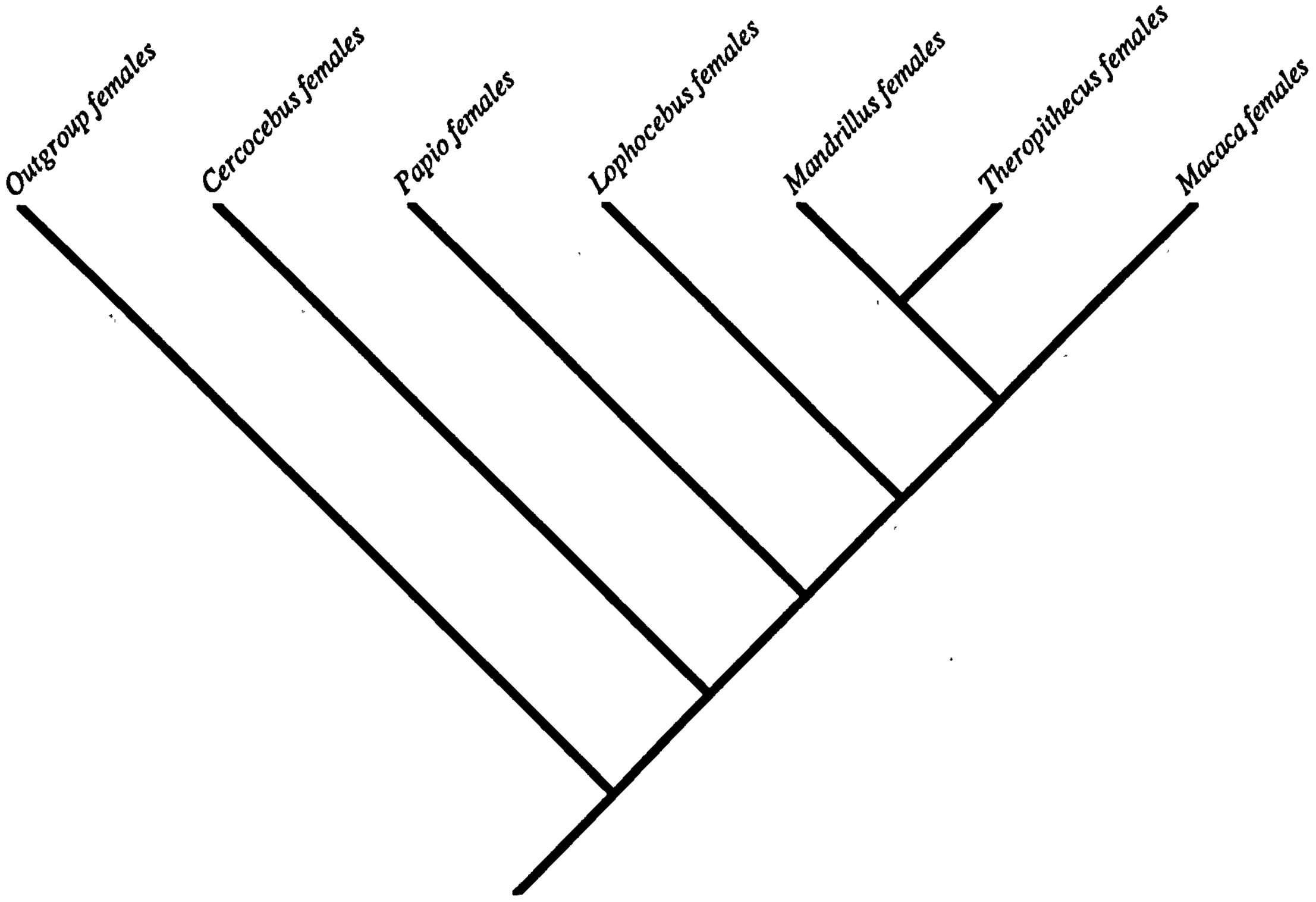


Figure 94. Most parsimonious cladogram recovered from male data in Analysis 49.

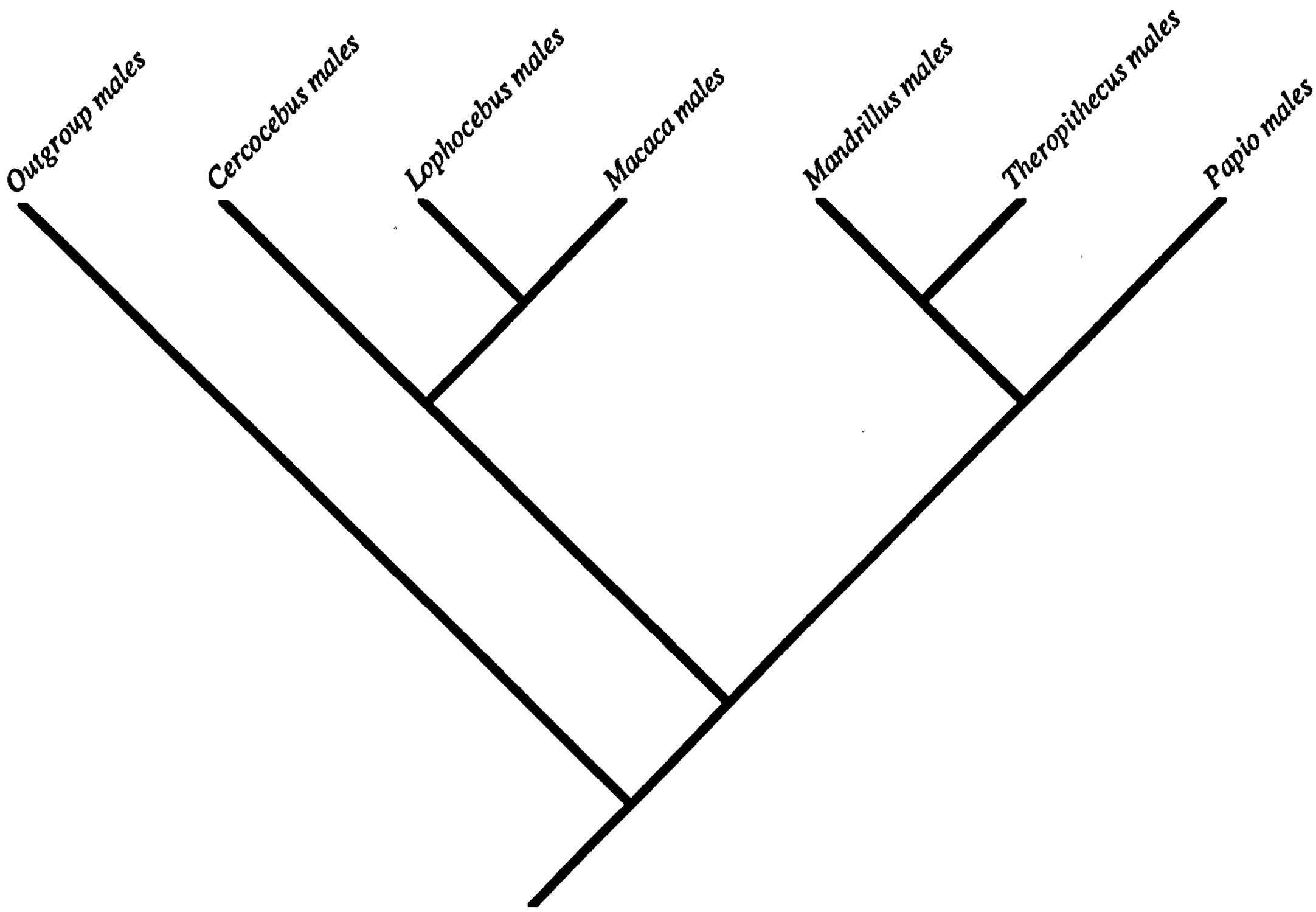


Figure 95. Most parsimonious cladogram recovered from female data in Analysis 49.

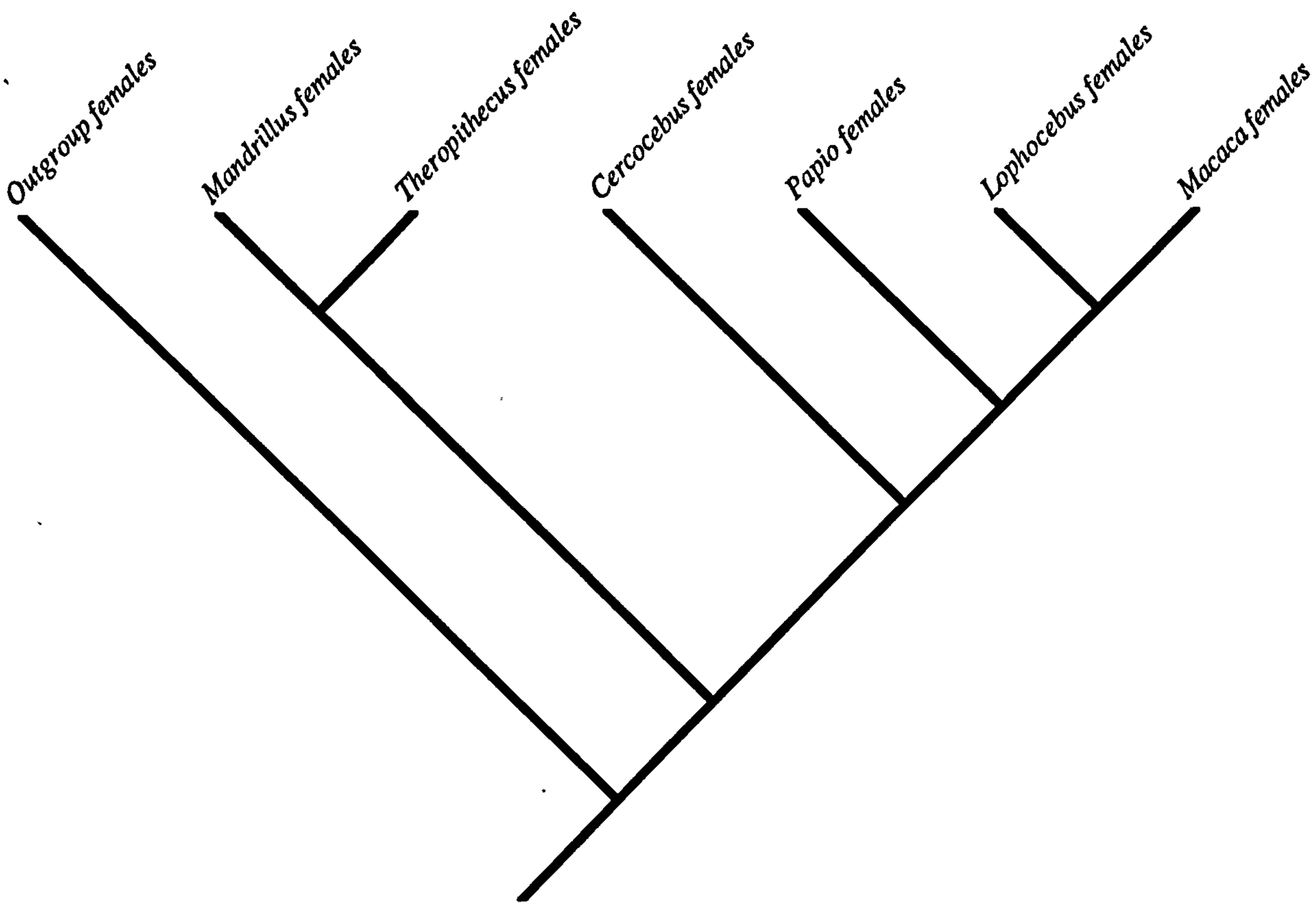


Figure 96. Most parsimonious cladogram recovered from female data in analyses SSS and VVV.

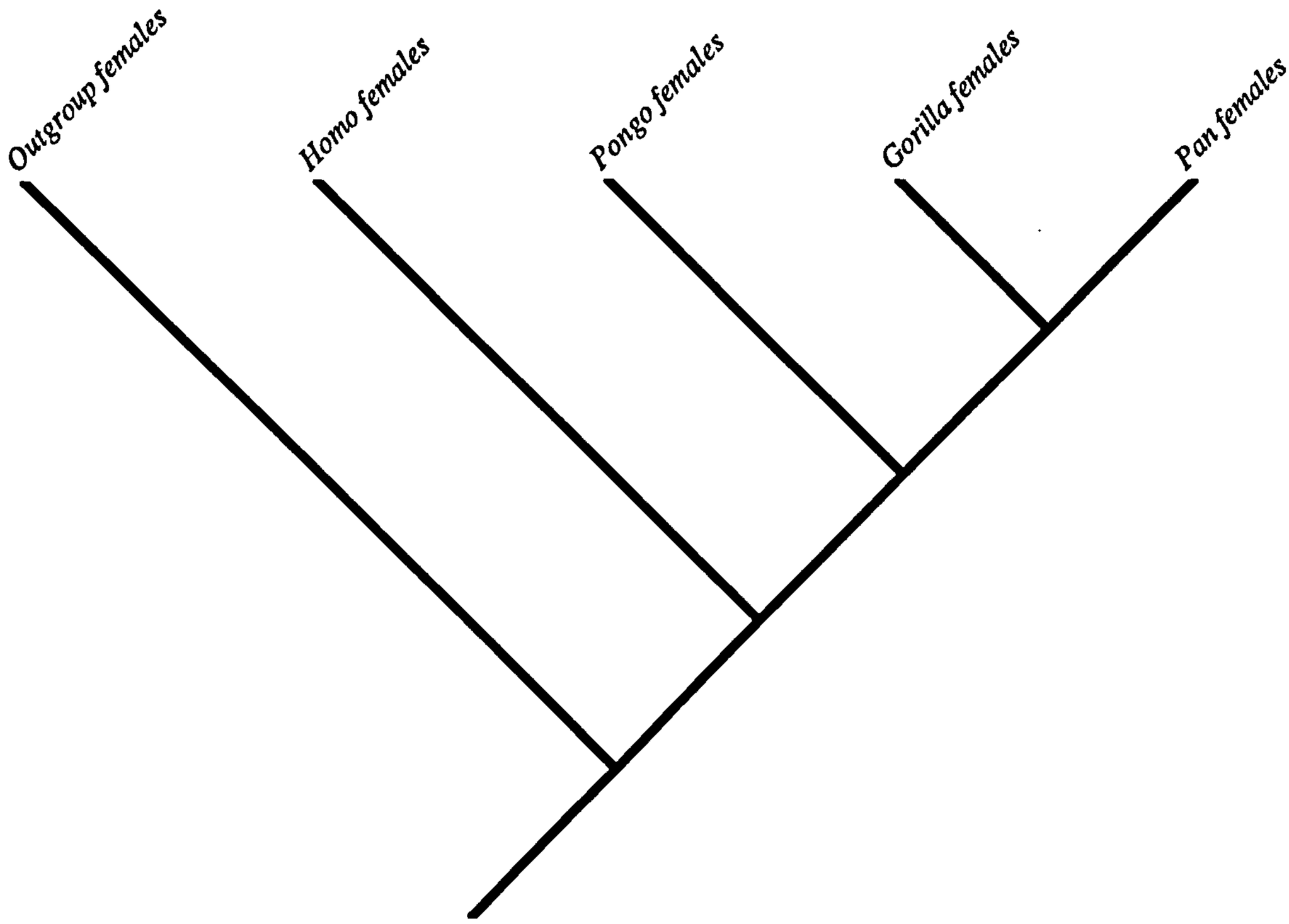


Figure 97. Most parsimonious cladogram recovered from female data in Analysis TTT.

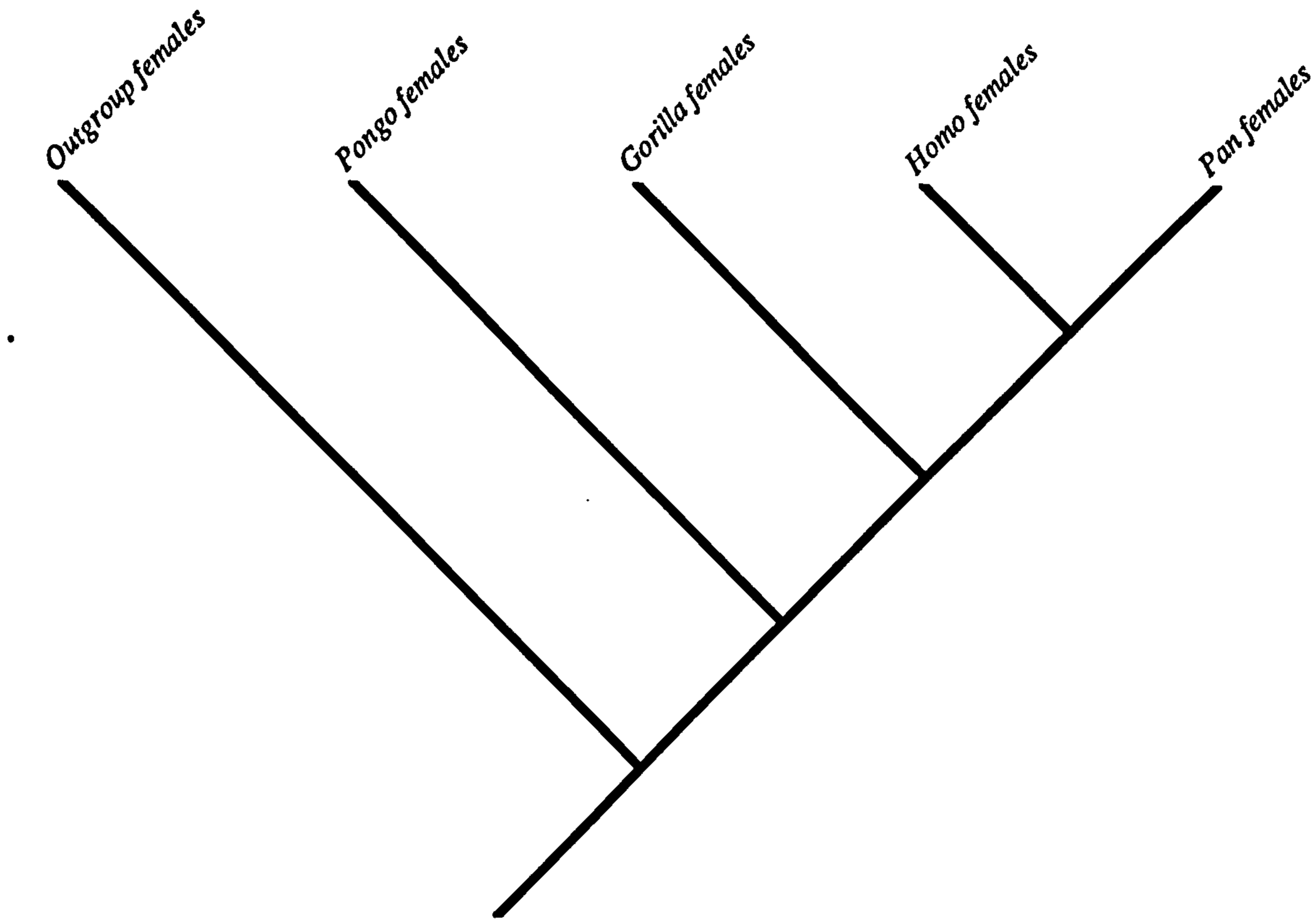


Figure 98. One of three equally parsimonious cladograms recovered from female data in Analysis UUU.

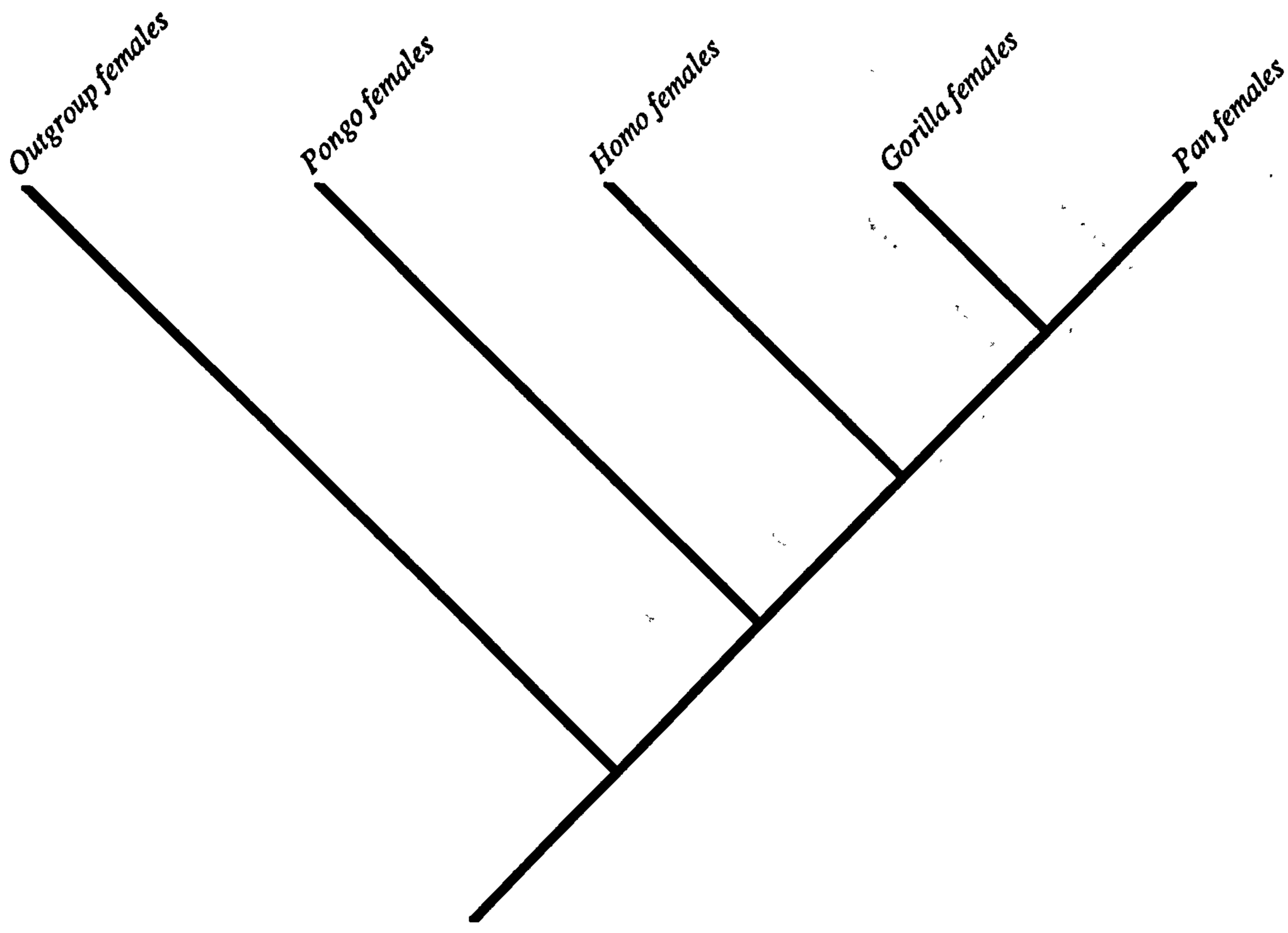


Figure 99. Most parsimonious cladogram recovered from male data in Analysis 54.

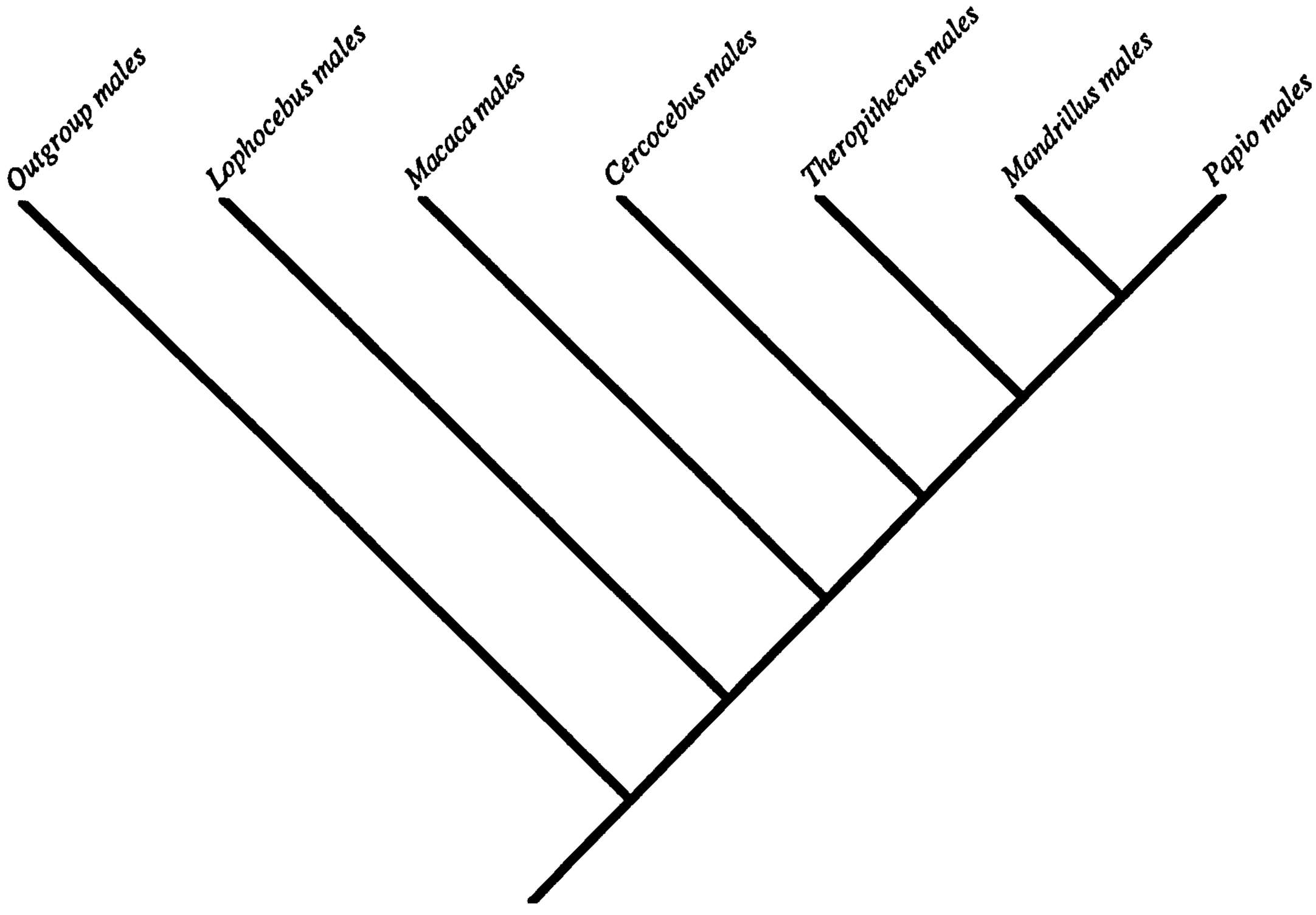


Figure 100. One of two cladograms favoured for female data in Analysis 54.

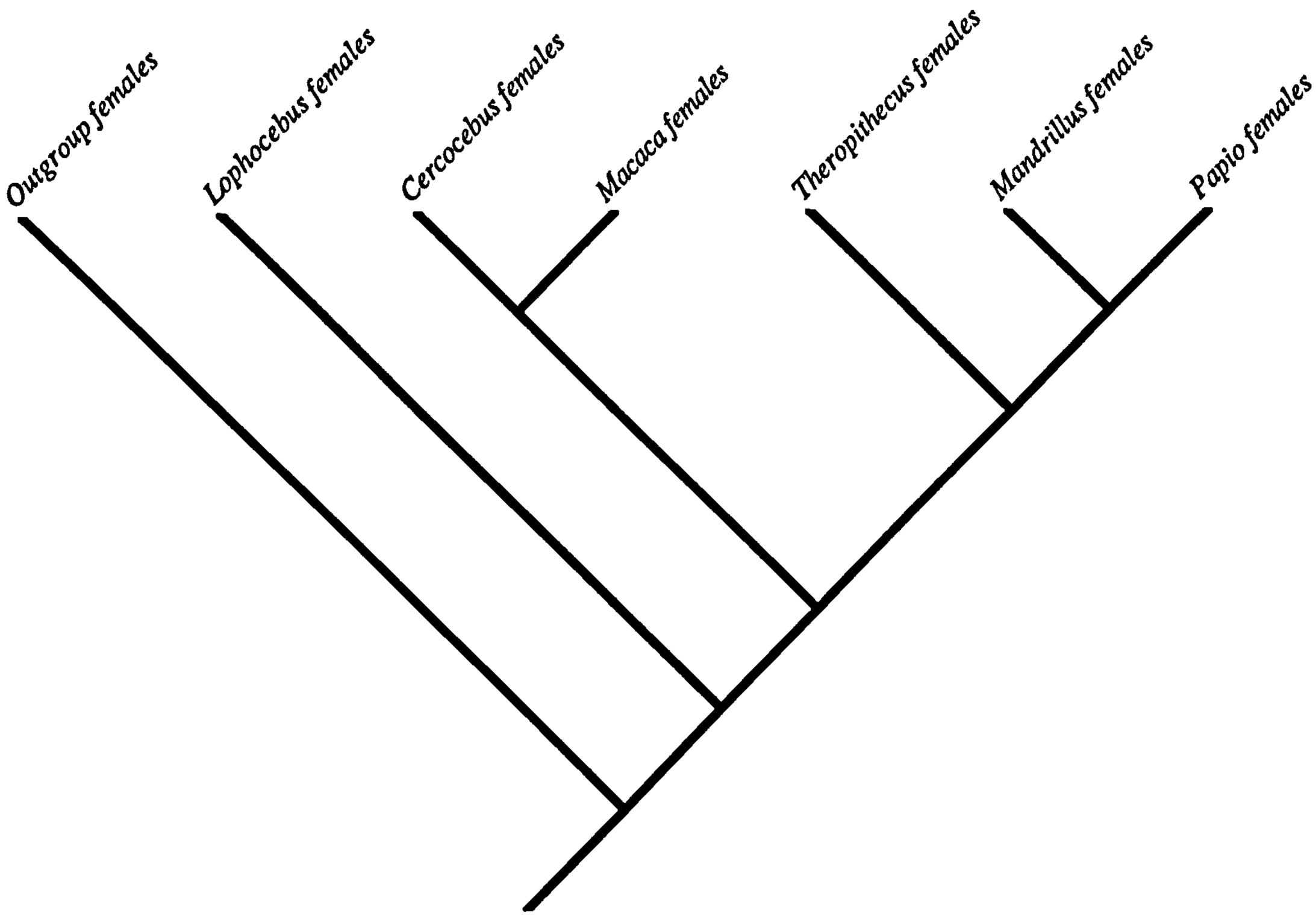


Figure 101. One of two cladograms favoured for female data in Analysis 54.

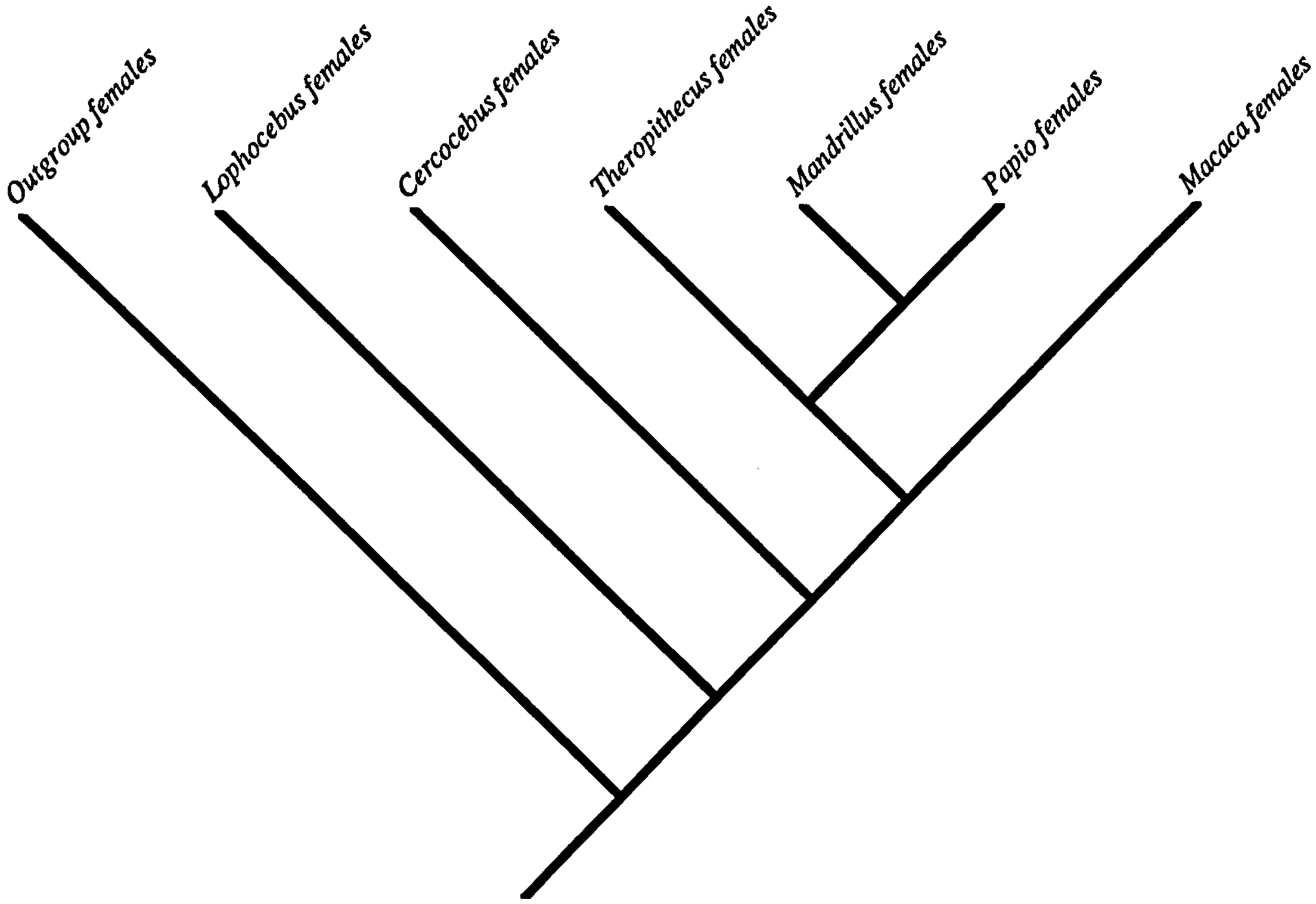


Figure 102. Most parsimonious cladogram recovered from male data in Analysis 55.

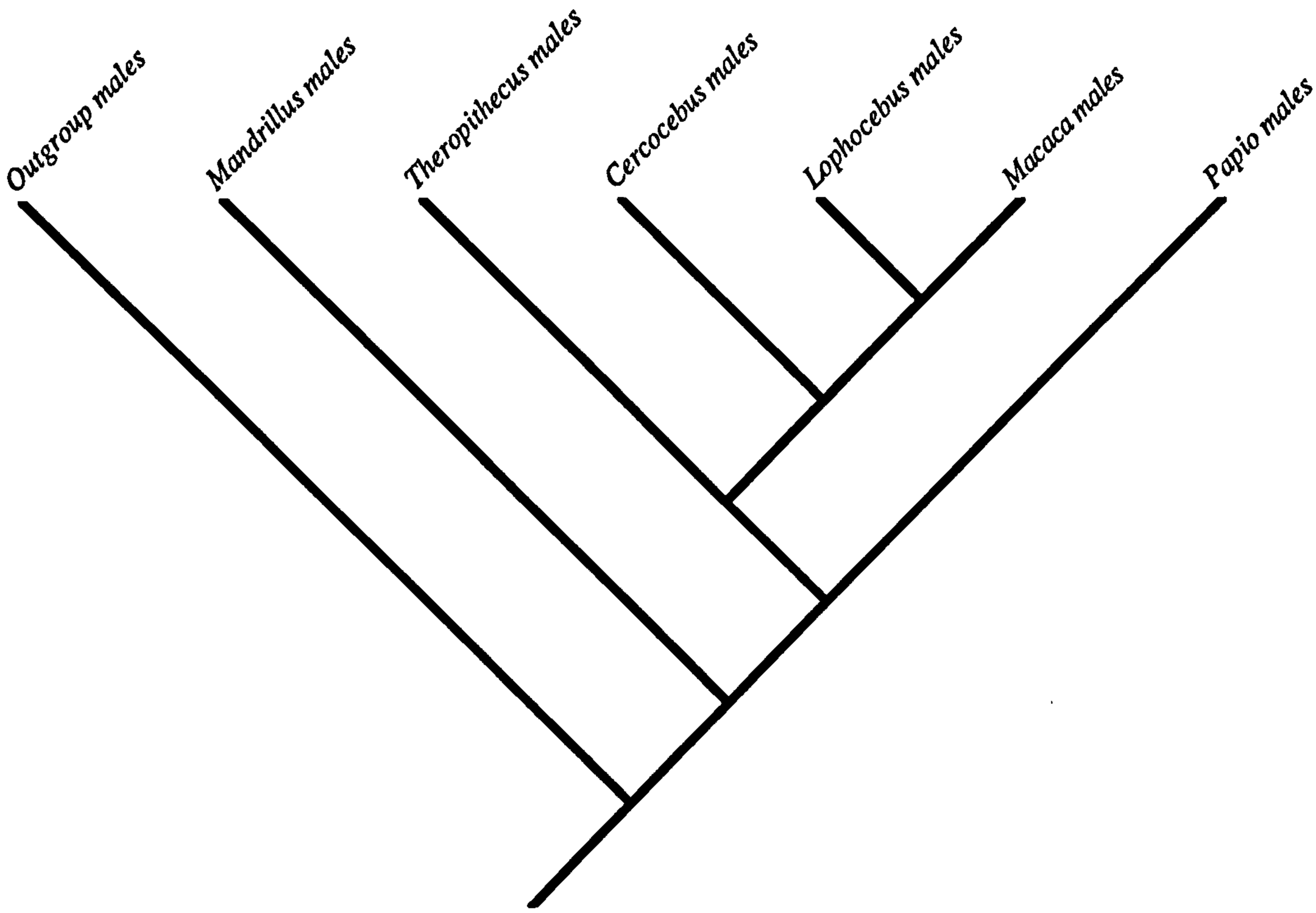


Figure 103. Most parsimonious cladogram recovered from female data in Analysis 55.

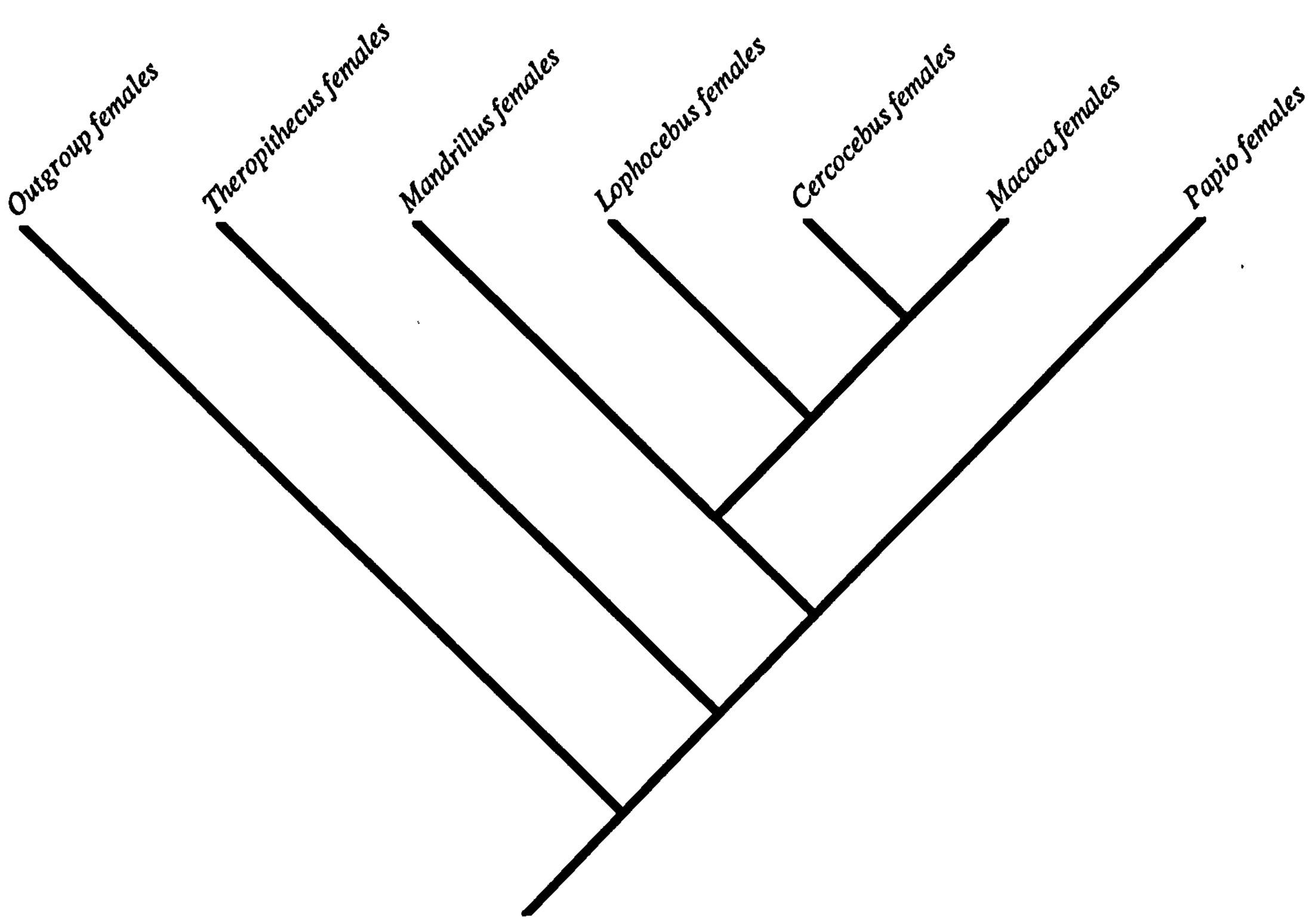


Figure 104. Most parsimonious cladogram recovered from male data in Analysis EEEE.

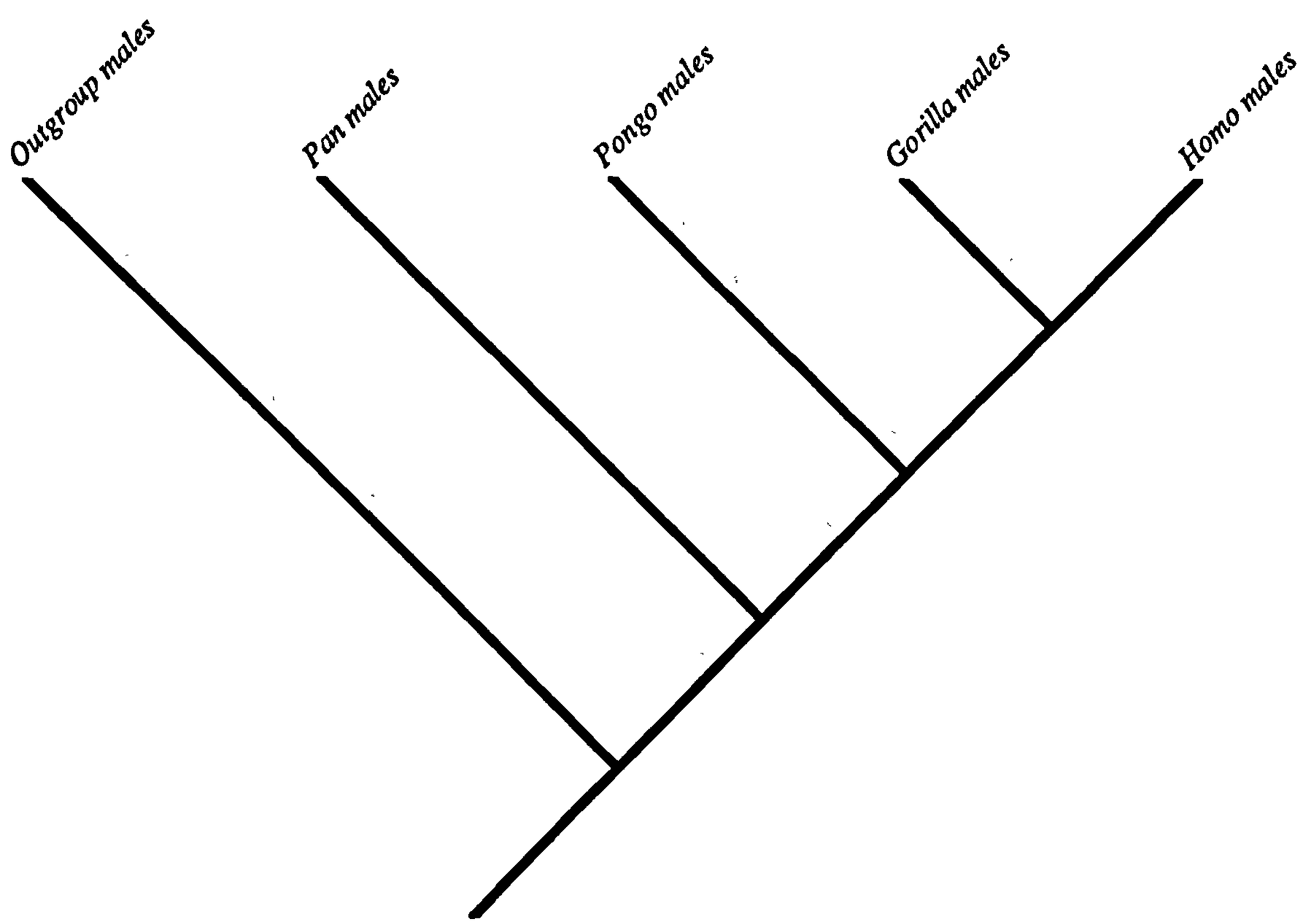


Figure 105. Most parsimonious cladogram recovered from female data in Analysis EEEE.

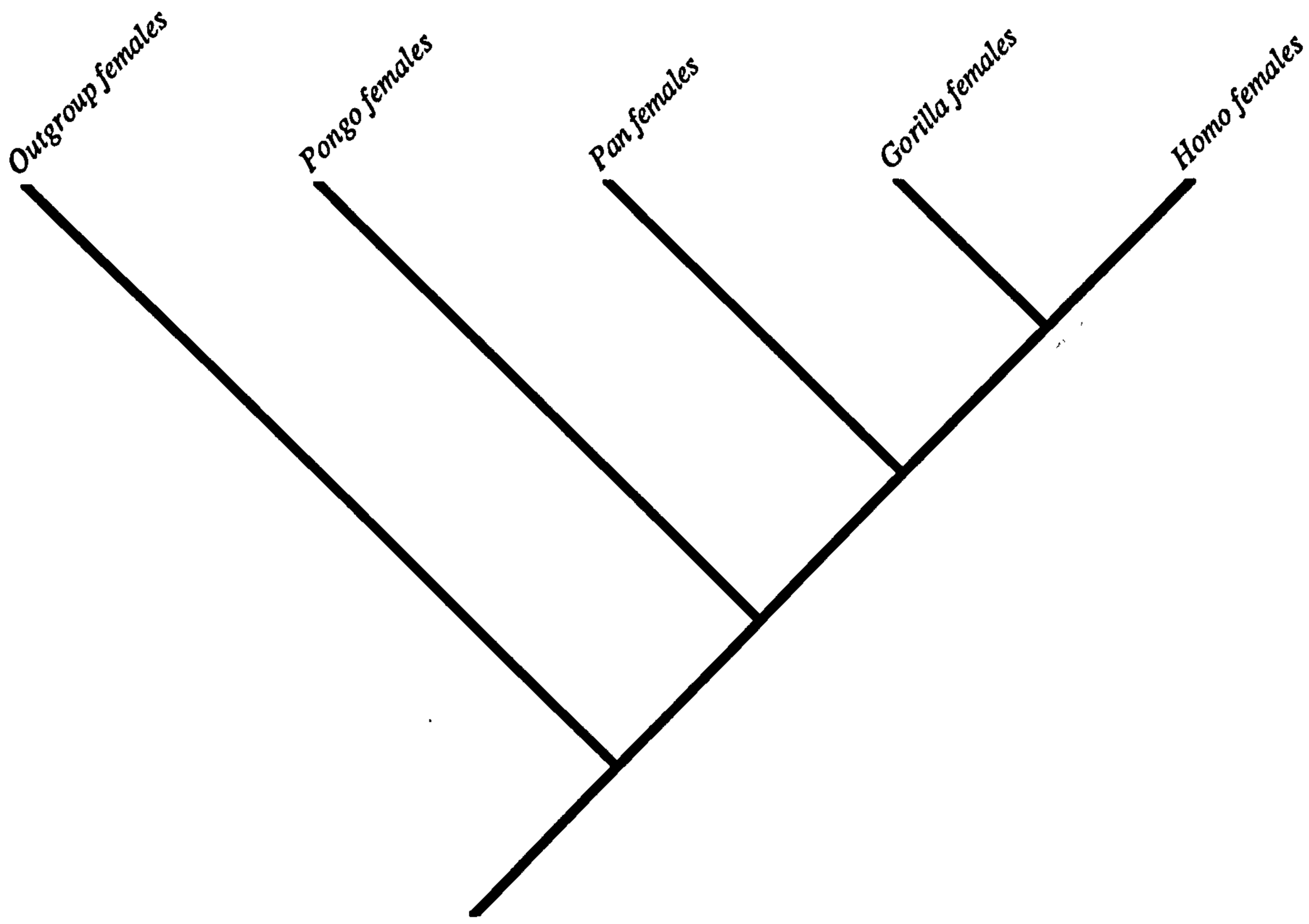


Figure 106. Most parsimonious cladogram recovered from female data in Analysis FFFF. One of two cladograms favoured for females in Analysis GGGG.

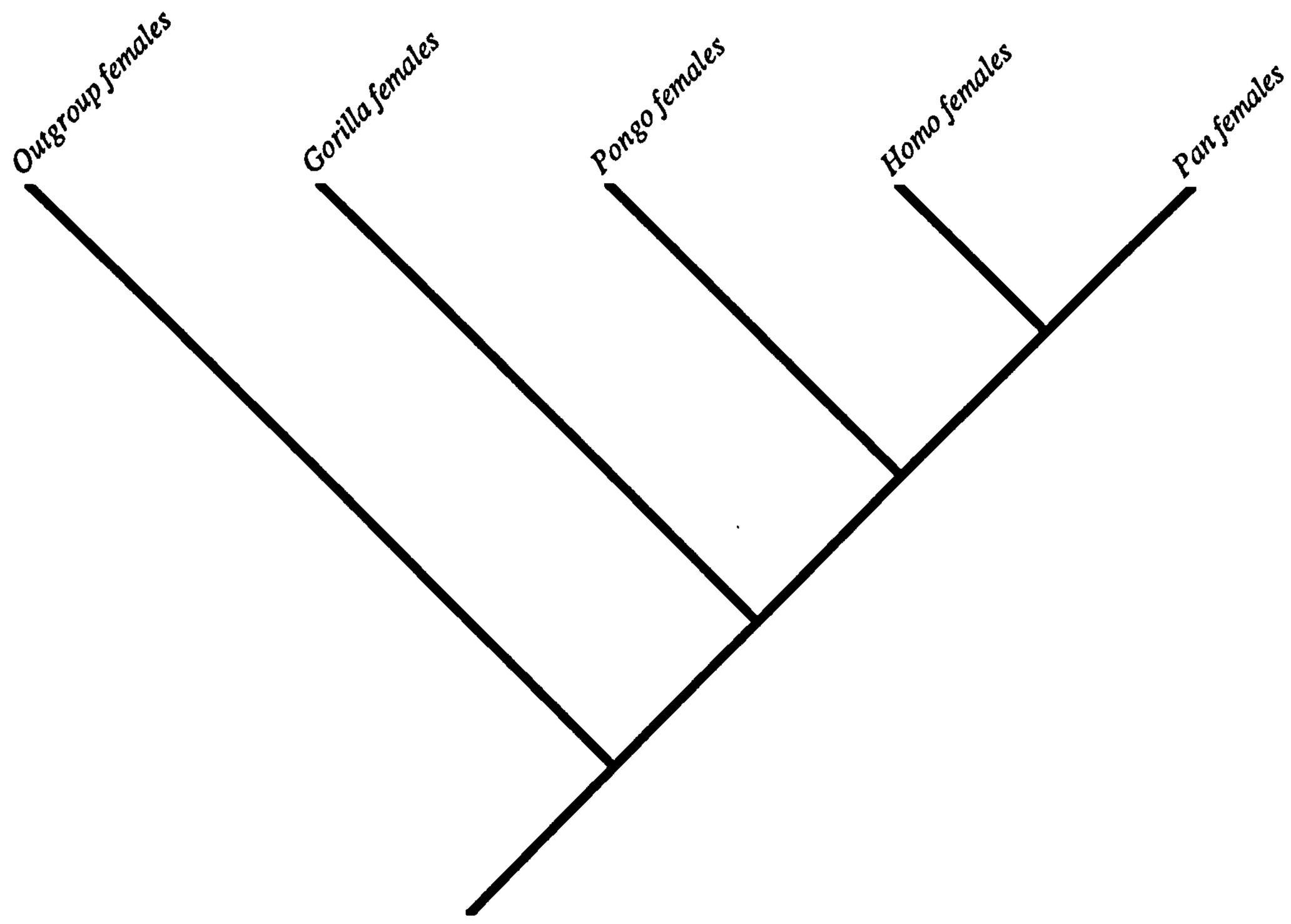


Figure 107. One of two cladograms favoured for female data in Analysis GGGG.

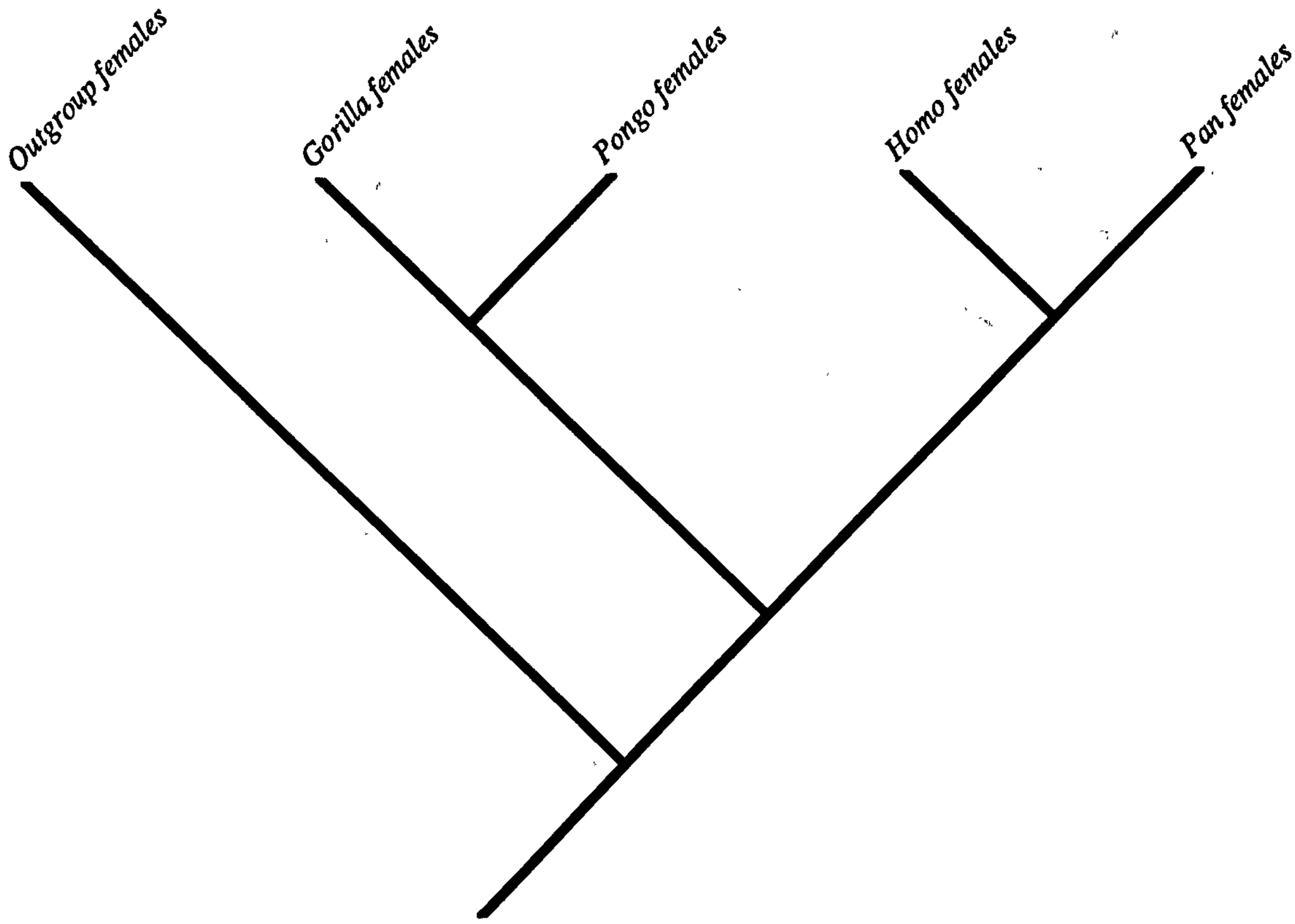


Figure 108. Most parsimonious cladogram recovered from male data in analyses 60 and 61.

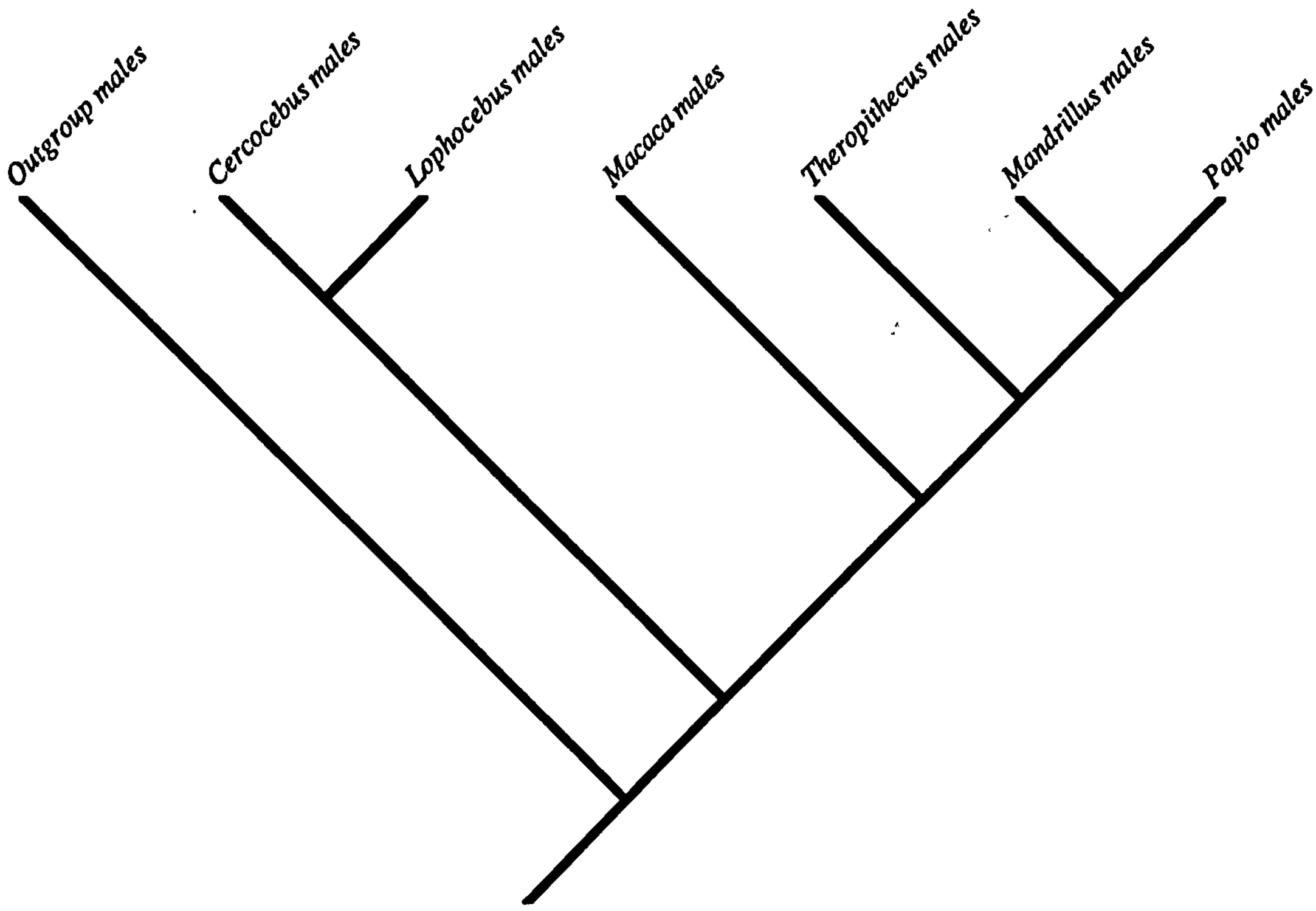


Figure 109. Most parsimonious cladogram recovered from female data in Analysis 60.

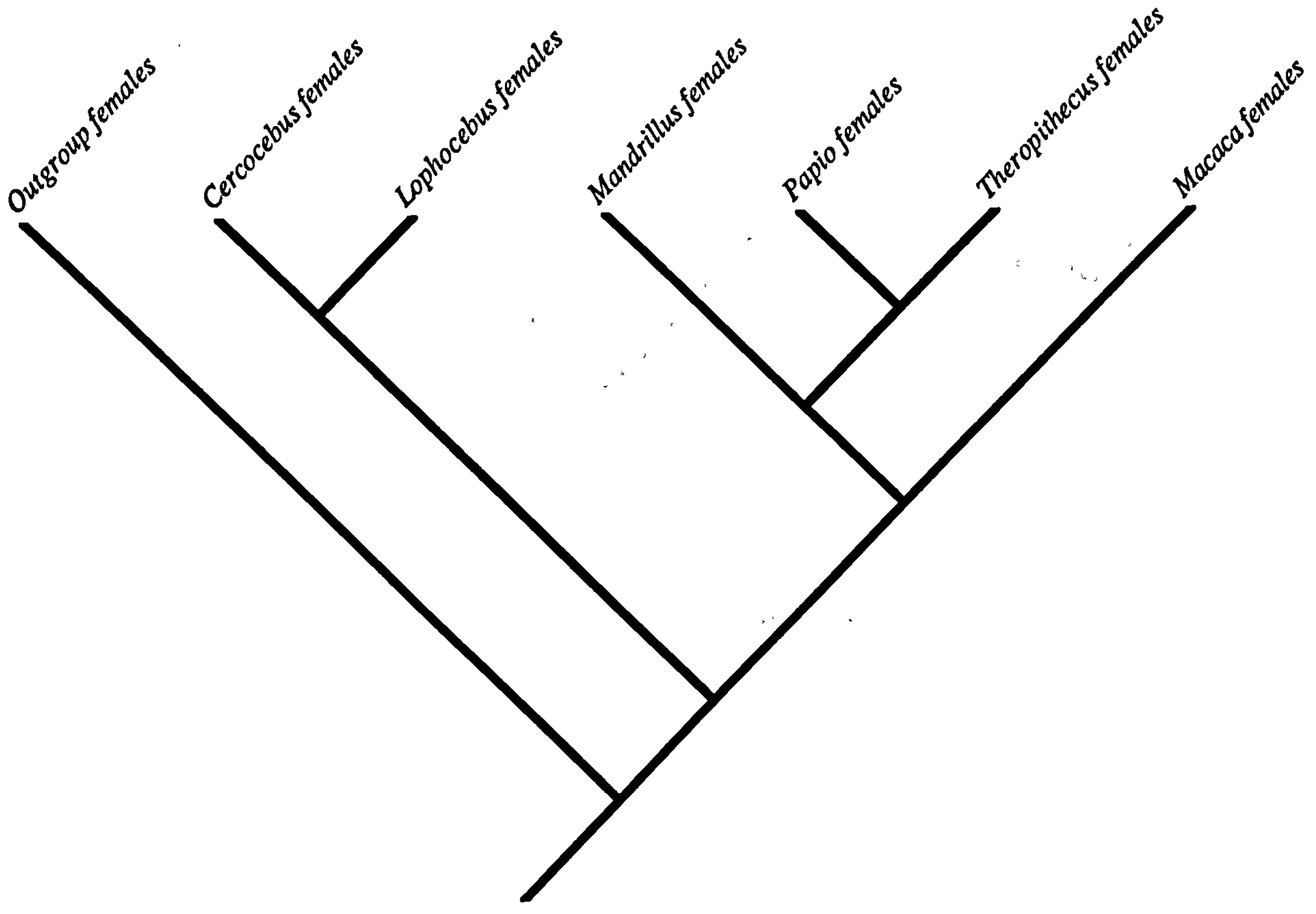


Figure 110. Most parsimonious cladogram recovered from female data in Analysis 61.

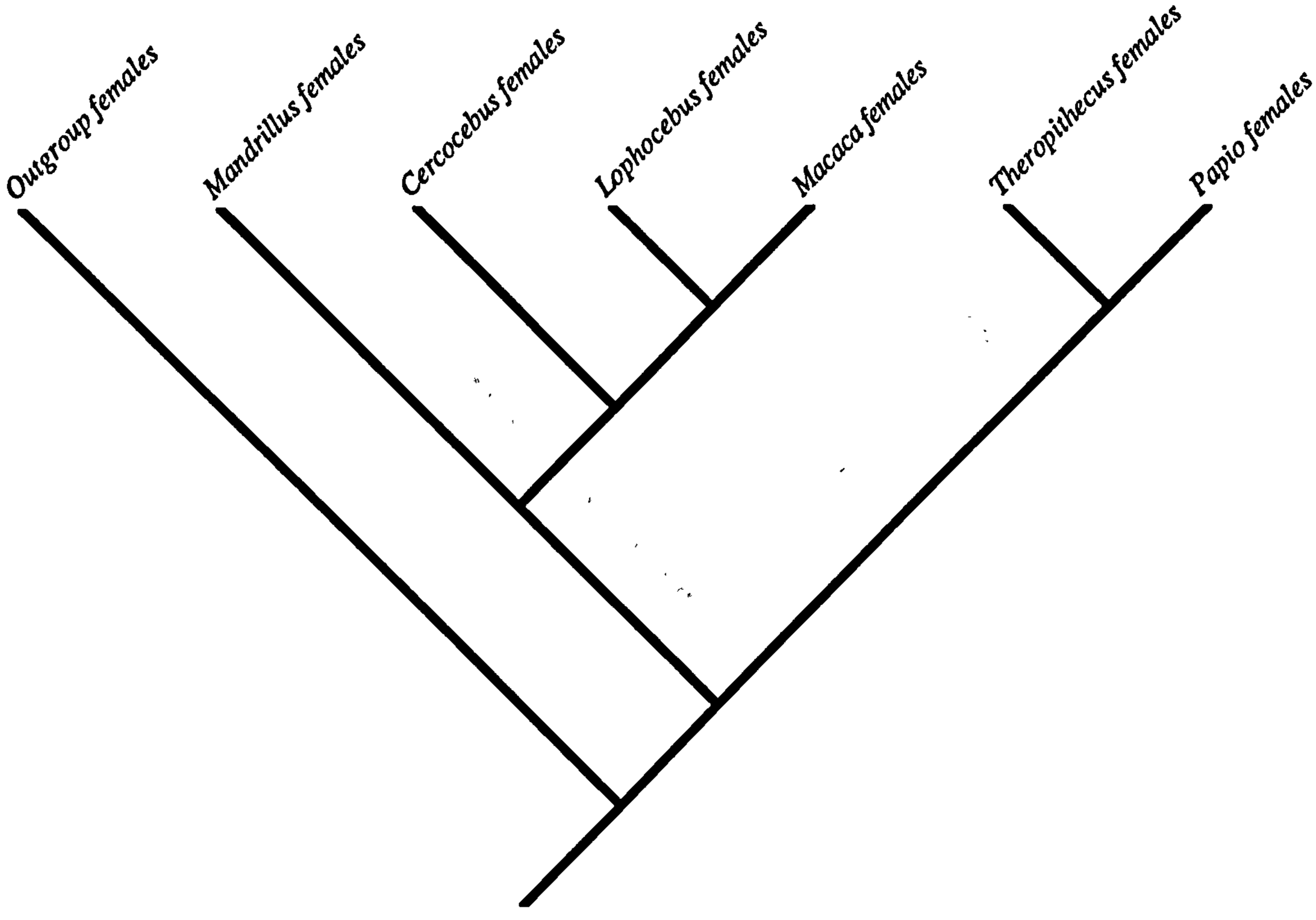


Figure 111. Alternative cladogram for the hominoid genera.

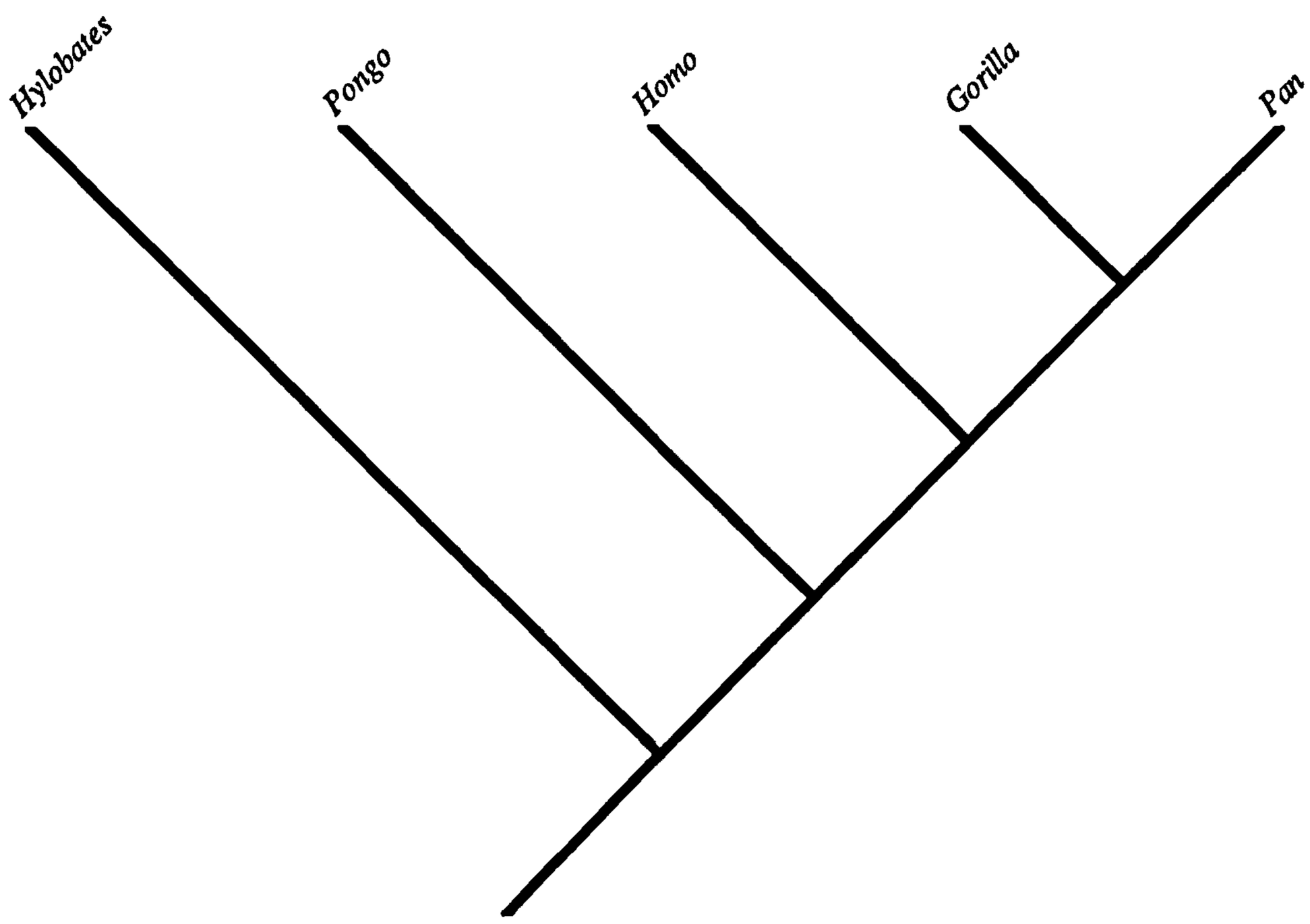
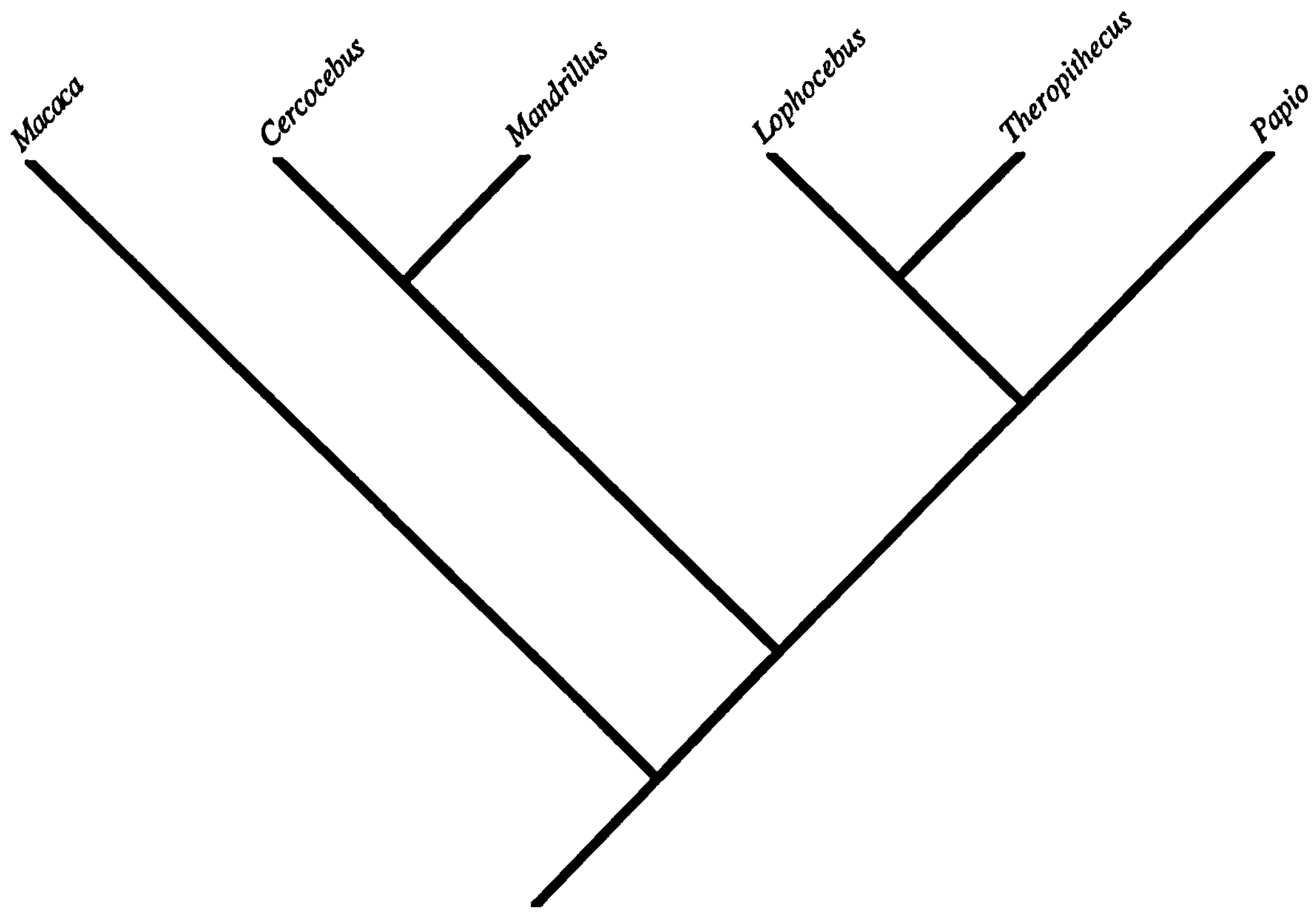


Figure 112. Alternative cladogram for the papionin genera.



Appendix 1 - Dataset A

Specimen	Genus	Sex	Source	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
1	*Colobus*	1	Wood (1975)	3.7	4.9	4.0	3.6	5.8	9.0	18.7	5.3	5.2	6.4	5.0	6.3
2	*Colobus*	1	Wood (1975)	4.1	5.3	4.5	5.0	6.5	9.2	18.7	6.1	6.0	7.0	5.5	6.9
3	*Colobus*	1	Wood (1975)	4.6	5.0	4.6	5.0	6.8	9.2	22.3	5.4	5.5	6.3	5.0	6.4
4	*Colobus*	1	Wood (1975)	5.0	5.3	5.0	4.4	7.7	10.0	21.0	6.7	5.4	7.2	5.4	6.9
5	*Colobus*	1	Wood (1975)	5.0	5.0	4.3	4.0	6.4	9.4	18.4	5.7	5.0	6.6	5.0	6.3
6	*Colobus*	1	Wood (1975)	4.5	5.3	4.5	4.2	6.5	10.0	18.2	6.2	5.2	7.0	6.5	6.9
7	*Colobus*	1	Wood (1975)	4.4	4.5	4.0	3.5	5.8	7.6	15.0	5.2	4.8	6.5	5.0	6.7
8	*Colobus*	1	Wood (1975)	4.2	5.8	4.5	5.0	6.6	10.4	19.6	5.7	5.6	7.4	5.3	7.1
9	*Colobus*	1	Wood (1975)	4.4	5.0	4.5	4.0	6.7	10.2	20.2	5.7	5.0	7.0	5.2	6.5
10	*Colobus*	1	Wood (1975)	4.3	5.0	4.4	4.3	7.0	10.0	21.4	5.8	5.5	6.7	5.0	6.5
11	*Colobus*	1	Wood (1975)	4.3	4.8	4.2	3.2	7.0	9.8	19.0	6.0	5.0	6.7	5.5	6.5
12	*Colobus*	1	Wood (1975)	4.2	4.4	4.0	3.3	6.3	9.2	18.5	5.3	5.0	6.7	5.0	6.3
13	*Colobus*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	*Colobus*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	*Colobus*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	*Colobus*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	*Colobus*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	*Colobus*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	*Colobus*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	*Colobus*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	*Colobus*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	*Colobus*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	*Colobus*	2	Wood (1975)	4.7	5.6	4.4	4.3	5.2	7.0	10.0	4.7	5.0	7.0	5.0	6.7
24	*Colobus*	2	Wood (1975)	4.5	5.0	4.4	4.3	5.6	6.7	10.5	5.2	5.0	6.0	5.0	6.3
25	*Colobus*	2	Wood (1975)	4.4	4.4	4.4	3.2	5.6	7.0	9.0	5.3	4.7	6.5	4.8	6.5
26	*Colobus*	2	Wood (1975)	4.6	4.7	4.5	4.1	6.0	7.2	9.6	6.0	5.2	6.6	5.0	6.2
27	*Colobus*	2	Wood (1975)	4.5	4.6	4.3	4.3	5.5	7.3	9.3	6.0	4.6	6.4	5.0	6.3
28	*Colobus*	2	Wood (1975)	4.6	4.8	4.1	4.0	5.4	7.2	11.4	5.5	5.0	6.1	5.2	6.5
29	*Colobus*	2	Wood (1975)	4.4	5.0	4.0	3.8	4.8	6.9	9.6	5.2	5.0	6.2	4.6	6.4
30	*Colobus*	2	Wood (1975)	4.3	5.3	4.6	4.1	5.5	7.2	7.7	5.9	4.7	7.2	5.7	6.8
31	*Colobus*	2	Wood (1975)	4.6	4.5	4.4	4.0	5.0	6.9	9.7	5.0	4.8	6.2	4.8	6.4
32	*Colobus*	2	Wood (1975)	4.4	4.6	4.5	3.6	5.0	6.7	10.0	5.6	5.0	6.5	5.3	6.4
33	*Colobus*	2	Wood (1975)	4.4	5.0	4.3	4.3	5.4	7.1	10.6	5.7	5.4	6.8	5.2	6.1
34	*Colobus*	2	Wood (1975)	4.1	5.6	4.4	4.3	5.6	7.6	9.0	6.0	5.4	6.6	5.1	6.4
35	*Colobus*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	*Colobus*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
37	*Colobus*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
38	*Colobus*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	*Colobus*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
40	*Colobus*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
41	*Colobus*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
42	*Colobus*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
43	*Colobus*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
44	*Colobus*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
45	*Gorilla*	1	Wood (1975)	10.5	13.7	9.8	10.1	15.8	21.0	30.2	15.6	11.2	15.3	10.9	14.6
46	*Gorilla*	1	Wood (1975)	11.4	14.1	10.5	10.8	17.5	24.5	38.0	18.3	11.0	16.8	11.0	16.7
47	*Gorilla*	1	Wood (1975)	11.0	11.2	11.0	11.0	16.3	20.3	32.2	15.5	12.0	15.0	11.0	15.0
48	*Gorilla*	1	Wood (1975)	12.0	14.0	8.9	9.5	16.7	24.2	35.6	15.6	13.0	15.0	11.8	16.0
49	*Gorilla*	1	Wood (1975)	10.2	14.0	10.0	10.2	17.4	24.5	36.0	15.0	11.0	14.5	11.0	17.0
50	*Gorilla*	1	Wood (1975)	10.0	11.0	10.5	10.0	18.5	22.0	29.0	15.3	12.5	14.3	11.0	15.2
51	*Gorilla*	1	Wood (1975)	12.0	14.0	11.6	10.0	16.0	21.0	29.0	17.0	11.0	17.0	12.0	16.7
52	*Gorilla*	1	Wood (1975)	9.5	14.0	9.8	9.4	16.3	20.5	30.4	15.0	11.3	14.3	10.2	15.4
53	*Gorilla*	1	Wood (1975)	11.0	15.2	9.8	11.0	17.6	22.5	32.5	16.5	11.5	15.5	11.0	15.0
54	*Gorilla*	1	Wood (1975)	10.0	14.0	9.8	10.0	16.0	21.0	32.5	15.0	11.4	14.0	10.5	15.3
55	*Gorilla*	1	Wood (1975)	10.5	16.0	10.5	9.2	19.0	24.0	27.0	16.0	11.5	15.2	12.3	16.0
56	*Gorilla*	1	Wood (1975)	12.0	13.6	11.0	10.7	16.4	23.0	36.0	14.0	11.2	15.0	10.0	15.2
57	*Gorilla*	1	Wood (1975)	10.4	14.0	10.0	11.3	16.5	21.3	40.0	15.3	12.0	15.1	10.0	16.1
58	*Gorilla*	1	Wood (1975)	11.2	13.0	10.2	8.5	16.8	23.0	36.0	16.8	17.0	15.5	10.3	16.0
59	*Gorilla*	1	Wood (1975)	10.0	13.3	9.3	8.9	16.0	20.6	29.0	14.2	11.0	13.8	10.0	14.0
60	*Gorilla*	1	Wood (1975)	11.0	15.5	10.0	10.2	15.3	22.0	33.0	16.6	11.0	16.4	11.6	16.7
61	*Gorilla*	1	Wood (1975)	11.6	15.8	10.0	10.4	16.5	22.0	32.2	16.0	12.5	15.8	11.0	16.7
62	*Gorilla*	1	Wood (1975)	10.8	13.0	10.0	8.5	15.0	19.0	31.5	14.0	10.0	13.5	10.0	15.0

Appendix 1 - Dataset A

Specimen	Genus	Sex	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28	P29
1	*Colobus*	1	7.1	6.8	7.5	6.6	7.6	32	17	45	18	9	46	ND	ND	ND	ND	ND	ND
2	*Colobus*	1	7.5	8.0	7.9	7.6	8.2	34	19	47	20	9	48	ND	ND	ND	ND	ND	ND
3	*Colobus*	1	6.9	7.1	7.2	7.0	7.3	36	21	50	22	9	43	ND	ND	ND	ND	ND	ND
4	*Colobus*	1	7.0	7.1	7.4	7.3	7.6	32	20	50	19	6	45	ND	ND	ND	ND	ND	ND
5	*Colobus*	1	6.7	7.6	8.0	7.2	7.6	36	20	51	21	8	46	ND	ND	ND	ND	ND	ND
6	*Colobus*	1	7.5	7.7	8.0	7.2	8.2	35	20	47	18	9	49	ND	ND	ND	ND	ND	ND
7	*Colobus*	1	7.2	7.4	7.7	7.2	7.9	33	22	50	20	9	45	ND	ND	ND	ND	ND	ND
8	*Colobus*	1	7.3	8.0	7.8	7.6	8.2	34	20	52	18	10	49	ND	ND	ND	ND	ND	ND
9	*Colobus*	1	7.0	7.3	7.3	7.0	8.0	34	18	47	20	10	45	ND	ND	ND	ND	ND	ND
10	*Colobus*	1	7.0	7.4	7.8	7.4	8.0	35	20	49	20	9	44	ND	ND	ND	ND	ND	ND
11	*Colobus*	1	7.2	7.3	7.7	7.0	7.7	32	20	52	20	9	46	ND	ND	ND	ND	ND	ND
12	*Colobus*	1	6.8	7.3	7.6	7.0	7.4	34	19	47	20	10	43	ND	ND	ND	ND	ND	ND
13	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	22	4	8	7	10
14	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	20	5	7	7	9
15	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	22	7	7	9	10
16	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38	23	6	7	9	10
17	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	21	4	6	7	9
18	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	21	5	9	10	9
19	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38	22	5	7	8	10
20	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	22	6	7	7	10
21	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38	24	5	7	10	10
22	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38	23	6	9	9	9
23	*Colobus*	2	6.7	7.2	7.3	7.1	7.4	32	17	43	18	6	42	ND	ND	ND	ND	ND	ND
24	*Colobus*	2	6.6	6.7	7.2	6.8	7.7	31	15	40	18	6	41	ND	ND	ND	ND	ND	ND
25	*Colobus*	2	6.7	7.0	7.2	6.5	6.7	31	17	41	19	6	41	ND	ND	ND	ND	ND	ND
26	*Colobus*	2	6.5	7.0	7.4	7.4	7.4	31	15	39	18	8	41	ND	ND	ND	ND	ND	ND
27	*Colobus*	2	6.7	7.2	7.5	7.1	7.5	31	17	42	17	8	42	ND	ND	ND	ND	ND	ND
28	*Colobus*	2	7.2	7.4	7.8	7.1	8.0	32	17	45	19	5	43	ND	ND	ND	ND	ND	ND
29	*Colobus*	2	6.7	6.7	7.4	6.4	7.0	31	17	44	20	8	42	ND	ND	ND	ND	ND	ND
30	*Colobus*	2	7.0	7.6	7.5	7.4	7.7	31	16	46	19	5	42	ND	ND	ND	ND	ND	ND
31	*Colobus*	2	6.7	6.9	7.9	7.0	7.9	31	17	45	18	6	43	ND	ND	ND	ND	ND	ND
32	*Colobus*	2	7.0	7.4	8.0	7.0	7.5	30	17	44	18	8	42	ND	ND	ND	ND	ND	ND
33	*Colobus*	2	7.2	7.4	7.6	7.2	7.4	31	18	45	18	7	43	ND	ND	ND	ND	ND	ND
34	*Colobus*	2	6.7	7.1	7.3	6.6	6.6	29	15	42	17	6	40	ND	ND	ND	ND	ND	ND
35	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	24	5	7	8	9
36	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	20	5	7	8	9
37	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	17	5	6	8	8
38	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	21	4	7	9	9
39	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	21	5	8	7	8
40	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	21	5	7	7	10
41	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	21	4	6	8	9
42	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	18	4	6	7	9
43	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	21	3	6	8	9
44	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	20	4	6	8	9
45	*Gorilla*	1	15.3	15.0	17.3	14.3	15.5	65	46	123	34	16	102	ND	ND	ND	ND	ND	ND
46	*Gorilla*	1	16.0	18.4	18.0	18.6	19.8	77	51	117	44	22	110	ND	ND	ND	ND	ND	ND
47	*Gorilla*	1	14.3	16.5	16.0	17.2	16.2	77	43	118	41	16	96	ND	ND	ND	ND	ND	ND
48	*Gorilla*	1	16.0	17.0	18.0	16.3	17.5	69	47	121	37	19	104	ND	ND	ND	ND	ND	ND
49	*Gorilla*	1	15.0	16.7	17.0	15.3	16.0	72	44	124	31	21	109	ND	ND	ND	ND	ND	ND
50	*Gorilla*	1	15.0	16.0	16.5	15.2	15.3	64	43	115	33	21	97	ND	ND	ND	ND	ND	ND
51	*Gorilla*	1	15.0	18.0	17.0	17.0	16.3	68	44	118	36	17	111	ND	ND	ND	ND	ND	ND
52	*Gorilla*	1	14.6	16.3	16.0	14.5	14.0	65	39	106	35	22	92	ND	ND	ND	ND	ND	ND
53	*Gorilla*	1	14.8	15.3	16.0	14.8	15.6	67	42	124	34	15	100	ND	ND	ND	ND	ND	ND
54	*Gorilla*	1	14.0	15.3	15.8	15.2	16.0	65	43	115	38	17	92	ND	ND	ND	ND	ND	ND
55	*Gorilla*	1	16.6	17.0	16.5	16.5	16.5	70	50	115	39	19	112	ND	ND	ND	ND	ND	ND
56	*Gorilla*	1	13.5	15.5	13.8	14.2	14.7	62	35	112	33	18	91	ND	ND	ND	ND	ND	ND
57	*Gorilla*	1	14.0	17.0	15.3	17.0	16.2	66	35	111	34	14	95	ND	ND	ND	ND	ND	ND
58	*Gorilla*	1	14.3	17.3	15.2	15.8	15.8	69	44	122	36	16	97	ND	ND	ND	ND	ND	ND
59	*Gorilla*	1	13.5	15.2	15.2	14.5	14.4	68	41	115	39	18	94	ND	ND	ND	ND	ND	ND
60	*Gorilla*	1	15.4	18.9	18.0	18.0	19.0	65	41	109	31	21	104	ND	ND	ND	ND	ND	ND
61	*Gorilla*	1	16.0	16.5	17.0	16.3	17.7	74	45	120	36	21	106	ND	ND	ND	ND	ND	ND
62	*Gorilla*	1	14.5	15.0	16.0	14.5	15.0	69	40	106	37	22	95	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	P30	P31	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
1	*Colobus*	1	ND	ND	3.7	3.0	4.4	3.0	7.8	4.8	14.6	4.6	ND	4.5	5.9	5.1	7.1	6.3
2	*Colobus*	1	ND	ND	4.3	3.4	5.8	3.6	8.2	6.0	15.0	6.3	ND	5.2	6.7	5.7	7.5	7.0
3	*Colobus*	1	ND	ND	3.8	3.9	4.5	3.0	8.0	5.0	13.0	4.6	ND	4.5	5.7	5.4	6.7	6.2
4	*Colobus*	1	ND	ND	4.8	4.0	4.8	3.7	9.3	5.8	14.0	4.7	ND	4.5	5.4	5.8	7.0	6.4
5	*Colobus*	1	ND	ND	4.2	3.7	4.7	4.0	8.3	5.3	15.2	4.7	ND	4.8	6.1	5.3	7.3	6.6
6	*Colobus*	1	ND	ND	4.6	4.0	5.0	3.4	8.5	5.7	16.4	4.3	ND	4.6	6.5	5.6	7.4	6.4
7	*Colobus*	1	ND	ND	4.4	3.4	4.1	3.7	7.4	4.6	14.0	4.3	ND	4.4	6.0	5.2	7.2	6.3
8	*Colobus*	1	ND	ND	4.6	3.5	5.0	4.0	8.7	5.7	16.1	5.0	ND	5.2	6.6	5.6	7.2	6.7
9	*Colobus*	1	ND	ND	4.2	3.6	4.7	3.7	8.7	5.4	16.2	4.5	ND	4.7	6.1	5.2	7.0	6.0
10	*Colobus*	1	ND	ND	4.3	3.7	4.5	4.0	8.4	5.6	18.7	5.4	ND	4.9	6.1	5.4	7.5	6.6
11	*Colobus*	1	ND	ND	4.3	3.4	5.0	3.6	8.4	5.4	16.5	4.7	ND	5.2	6.3	5.6	7.3	6.4
12	*Colobus*	1	ND	ND	4.3	3.3	4.6	3.5	8.0	5.3	11.5	4.6	ND	4.7	6.6	5.2	7.3	6.5
13	*Colobus*	1	10	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	*Colobus*	1	11	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	*Colobus*	1	11	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	*Colobus*	1	11	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	*Colobus*	1	11	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	*Colobus*	1	10	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	*Colobus*	1	12	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	*Colobus*	1	11	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	*Colobus*	1	11	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	*Colobus*	1	10	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	*Colobus*	2	ND	ND	4.3	3.3	5.0	3.6	6.6	4.5	9.0	4.3	ND	4.5	5.7	5.4	7.2	6.0
24	*Colobus*	2	ND	ND	4.3	3.6	4.8	3.6	6.6	4.5	9.4	4.0	ND	4.4	5.0	5.3	6.5	6.1
25	*Colobus*	2	ND	ND	4.8	3.3	4.2	3.1	6.7	4.2	9.0	4.0	ND	4.2	5.8	5.3	7.2	5.8
26	*Colobus*	2	ND	ND	4.4	3.1	4.6	3.1	6.7	4.2	9.0	4.3	ND	5.0	6.0	5.3	7.0	6.6
27	*Colobus*	2	ND	ND	4.2	3.2	4.2	3.6	6.7	4.5	7.5	4.1	ND	4.7	5.8	5.6	7.0	6.4
28	*Colobus*	2	ND	ND	4.2	3.8	4.5	3.6	7.0	4.7	9.5	4.1	ND	4.6	5.6	5.2	7.4	6.5
29	*Colobus*	2	ND	ND	4.1	3.4	4.4	3.6	6.5	4.3	9.3	4.4	ND	4.5	6.0	5.4	6.9	6.3
30	*Colobus*	2	ND	ND	4.4	3.8	5.0	3.8	6.8	4.4	7.7	4.4	ND	4.9	6.5	5.8	7.2	6.8
31	*Colobus*	2	ND	ND	4.3	3.4	4.5	3.5	6.4	4.2	8.0	4.4	ND	4.7	5.7	5.3	7.0	6.0
32	*Colobus*	2	ND	ND	4.0	3.4	4.5	3.2	6.8	4.2	9.1	4.0	ND	4.5	6.0	5.2	7.2	6.1
33	*Colobus*	2	ND	ND	4.0	3.5	4.5	3.2	6.9	4.7	9.0	4.8	ND	5.0	6.3	5.2	6.8	6.6
34	*Colobus*	2	ND	ND	4.4	3.9	4.3	3.4	7.0	4.7	9.0	4.5	ND	4.8	6.3	5.4	7.0	6.3
35	*Colobus*	2	11	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	*Colobus*	2	10	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
37	*Colobus*	2	10	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
38	*Colobus*	2	10	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	*Colobus*	2	11	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
40	*Colobus*	2	11	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
41	*Colobus*	2	10	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
42	*Colobus*	2	11	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
43	*Colobus*	2	10	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
44	*Colobus*	2	11	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
45	*Gorilla*	1	ND	ND	9.0	6.8	10.0	9.1	17.3	13.4	25.0	15.5	14.7	13.4	10.7	13.4	15.3	15.2
46	*Gorilla*	1	ND	ND	10.0	8.2	12.0	10.0	20.3	16.2	30.0	16.5	16.0	16.2	12.4	15.2	17.0	17.4
47	*Gorilla*	1	ND	ND	9.0	7.5	10.4	8.3	18.8	14.4	28.0	13.8	18.5	14.4	11.6	13.4	15.8	15.8
48	*Gorilla*	1	ND	ND	9.1	8.0	11.2	10.0	19.0	16.0	25.0	14.3	18.0	13.5	12.1	14.5	17.0	16.7
49	*Gorilla*	1	ND	ND	9.0	7.2	10.2	8.5	17.2	18.0	26.0	11.4	14.0	13.0	11.2	14.5	17.0	16.4
50	*Gorilla*	1	ND	ND	9.4	8.0	10.6	10.0	20.2	15.2	25.0	15.5	15.5	13.0	12.0	14.0	15.8	15.0
51	*Gorilla*	1	ND	ND	10.2	8.2	11.3	9.0	17.6	15.0	29.0	17.0	16.7	14.5	13.0	14.3	16.3	17.0
52	*Gorilla*	1	ND	ND	8.0	7.4	9.4	8.2	18.0	14.4	26.0	15.3	15.0	12.2	11.0	13.0	16.0	14.6
53	*Gorilla*	1	ND	ND	10.0	8.0	11.0	10.0	19.5	15.0	29.6	18.0	16.0	13.4	11.8	13.2	16.0	14.0
54	*Gorilla*	1	ND	ND	8.2	7.6	10.0	9.2	18.2	14.0	27.0	13.5	16.8	12.0	12.3	13.4	15.7	14.7
55	*Gorilla*	1	ND	ND	10.0	8.6	12.0	10.8	19.5	15.8	27.0	13.5	17.6	14.0	13.8	14.6	17.0	15.5
56	*Gorilla*	1	ND	ND	9.8	8.0	11.2	9.0	18.3	15.0	29.6	13.0	13.6	12.5	12.0	13.5	14.5	15.3
57	*Gorilla*	1	ND	ND	9.0	7.0	10.0	8.0	20.0	14.5	34.0	14.0	14.0	12.6	10.0	13.5	15.0	15.0
58	*Gorilla*	1	ND	ND	10.0	7.0	11.0	8.4	19.4	14.5	28.0	13.7	18.6	13.0	11.2	14.4	15.8	15.3
59	*Gorilla*	1	ND	ND	13.5	12.2	10.0	8.5	16.0	12.8	23.5	10.5	16.3	11.5	11.3	12.0	14.8	14.0
60	*Gorilla*	1	ND	ND	10.0	9.0	11.4	8.4	18.3	13.6	29.7	13.2	17.3	13.4	13.1	15.2	17.5	19.3
61	*Gorilla*	1	ND	ND	10.0	9.2	11.2	10.0	18.5	15.4	34.0	14.0	17.0	14.0	12.0	16.5	13.5	17.8
62	*Gorilla*	1	ND	ND	8.5	7.0	9.5	9.0	17.0	12.5	24.0	11.0	16.0	12.0	12.5	13.0	16.0	14.5

Appendix 1 - Dataset A

Specimen	Genus	Sex	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27	M28	M29
1	*Colobus*	1	7.8	6.0	10.0	5.3	44	66	42	55	13	6	30	51	22	8	25
2	*Colobus*	1	8.3	7.0	11.7	5.2	47	69	42	53	14	6	31	52	23	8	28
3	*Colobus*	1	7.7	6.0	9.5	4.4	42	69	40	60	14	7	33	52	25	11	31
4	*Colobus*	1	8.0	6.4	9.3	4.4	38	69	40	59	13	8	31	56	23	8	30
5	*Colobus*	1	7.8	6.4	9.8	4.7	45	72	48	60	15	6	33	55	25	10	32
6	*Colobus*	1	7.8	6.0	10.3	5.0	46	67	46	55	13	6	29	49	26	9	28
7	*Colobus*	1	7.5	6.5	10.2	5.4	43	68	46	62	14	6	33	50	27	9	33
8	*Colobus*	1	8.0	6.8	10.5	4.8	47	72	45	58	14	6	32	47	22	10	29
9	*Colobus*	1	7.3	6.0	9.2	4.7	42	67	42	56	12	6	31	54	23	9	28
10	*Colobus*	1	7.7	6.5	9.6	5.7	40	67	41	57	13	7	28	48	24	9	30
11	*Colobus*	1	7.7	6.3	10.2	4.0	43	71	42	58	15	6	31	52	25	8	31
12	*Colobus*	1	7.7	6.6	9.7	4.1	39	69	40	58	13	6	31	51	24	9	29
13	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	*Colobus*	2	7.2	6.1	9.6	4.3	40	61	41	55	11	6	26	47	22	9	26
24	*Colobus*	2	7.2	6.2	9.8	4.6	43	63	39	51	12	5	26	38	18	8	22
25	*Colobus*	2	7.4	6.0	9.0	3.9	40	65	42	56	12	6	28	37	19	8	22
26	*Colobus*	2	7.3	6.4	9.6	3.7	40	70	40	57	14	7	27	39	21	7	22
27	*Colobus*	2	7.5	6.4	10.0	4.5	39	64	40	52	12	6	26	45	22	8	28
28	*Colobus*	2	7.6	6.5	10.1	4.3	40	68	43	60	13	6	27	48	22	9	25
29	*Colobus*	2	7.3	6.0	9.4	4.2	38	65	39	55	12	7	29	52	20	9	24
30	*Colobus*	2	7.6	6.4	9.3	4.4	38	65	40	57	12	6	27	40	20	8	23
31	*Colobus*	2	7.4	6.2	9.7	5.0	43	62	43	52	12	6	26	45	21	8	24
32	*Colobus*	2	7.5	5.9	9.3	5.0	44	64	43	53	12	5	29	40	22	7	26
33	*Colobus*	2	7.7	6.4	10.3	5.2	39	68	41	57	13	6	29	45	22	8	23
34	*Colobus*	2	7.0	6.0	9.0	4.7	34	63	38	53	12	5	25	44	19	7	22
35	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
37	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
38	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
40	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
41	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
42	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
43	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
44	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
45	*Gorilla*	1	17.7	15.0	17.0	7.3	113	143	120	122	40	20	79	131	39	23	68
46	*Gorilla*	1	19.0	19.7	17.3	7.2	143	148	143	134	39	18	77	138	41	23	71
47	*Gorilla*	1	16.8	15.8	18.5	8.0	126	148	128	138	38	20	74	136	41	22	66
48	*Gorilla*	1	19.0	15.8	18.0	8.9	115	146	123	118	37	16	72	123	42	22	72
49	*Gorilla*	1	17.5	16.4	17.8	8.0	127	150	126	130	39	16	75	119	43	23	78
50	*Gorilla*	1	18.0	16.0	18.0	7.5	113	143	123	120	38	17	70	131	42	21	75
51	*Gorilla*	1	17.0	16.6	18.0	7.5	98	142	116	135	36	16	66	136	45	22	77
52	*Gorilla*	1	16.1	14.0	16.2	7.2	163	136	109	113	35	13	64	97	37	19	64
53	*Gorilla*	1	16.0	14.6	17.0	8.0	111	130	117	114	30	15	64	104	37	21	65
54	*Gorilla*	1	17.2	15.3	18.0	8.7	116	151	126	123	34	14	69	118	42	23	70
55	*Gorilla*	1	17.8	15.6	18.0	8.0	118	152	122	124	41	18	77	132	47	21	71
56	*Gorilla*	1	16.8	13.8	15.0	7.7	103	136	116	117	35	19	77	119	37	24	68
57	*Gorilla*	1	17.5	15.2	17.1	8.6	109	145	110	118	37	15	71	131	35	21	60
58	*Gorilla*	1	16.8	14.3	17.6	8.1	125	137	135	120	38	19	71	135	40	24	71
59	*Gorilla*	1	16.3	13.8	15.9	7.3	95	148	104	113	39	15	74	114	41	21	68
60	*Gorilla*	1	18.0	19.3	17.8	9.4	96	130	105	116	32	15	66	124	40	22	73
61	*Gorilla*	1	16.5	19.0	16.0	7.8	123	162	132	139	40	17	79	121	39	22	70
62	*Gorilla*	1	18.0	17.0	18.0	8.0	105	155	115	124	40	16	73	126	40	22	67

Appendix 1 - Dataset A

Specimen	Genus	Sex	M30	M31	M32	M33	M34	M35	M36	M37	M38	M39	M40	F1	F2	F3	F4	F5
1	*Colobus*	1	12	20	82	10	ND	ND	ND	ND	ND	ND	ND	23	20	12	56	12
2	*Colobus*	1	12	21	83	11	ND	ND	ND	ND	ND	ND	ND	27	23	12	60	14
3	*Colobus*	1	14	24	86	13	ND	ND	ND	ND	ND	ND	ND	26	23	15	63	15
4	*Colobus*	1	12	22	86	12	ND	ND	ND	ND	ND	ND	ND	25	22	13	59	14
5	*Colobus*	1	14	22	85	12	ND	ND	ND	ND	ND	ND	ND	25	23	15	51	18
6	*Colobus*	1	14	20	87	13	ND	ND	ND	ND	ND	ND	ND	22	20	11	54	15
7	*Colobus*	1	13	22	87	13	ND	ND	ND	ND	ND	ND	ND	25	21	12	59	12
8	*Colobus*	1	13	20	90	11	ND	ND	ND	ND	ND	ND	ND	25	21	14	59	14
9	*Colobus*	1	15	21	82	12	ND	ND	ND	ND	ND	ND	ND	25	22	11	58	16
10	*Colobus*	1	14	22	87	12	ND	ND	ND	ND	ND	ND	ND	23	22	12	56	14
11	*Colobus*	1	12	20	90	13	ND	ND	ND	ND	ND	ND	ND	23	23	13	58	15
12	*Colobus*	1	13	20	85	12	ND	ND	ND	ND	ND	ND	ND	23	22	12	59	15
13	*Colobus*	1	ND	ND	ND	ND	20	11	9	19	5	14	26	ND	ND	ND	ND	ND
14	*Colobus*	1	ND	ND	ND	ND	21	8	8	18	7	16	24	ND	ND	ND	ND	ND
15	*Colobus*	1	ND	ND	ND	ND	25	10	9	20	7	16	26	ND	ND	ND	ND	ND
16	*Colobus*	1	ND	ND	ND	ND	22	10	8	20	7	15	25	ND	ND	ND	ND	ND
17	*Colobus*	1	ND	ND	ND	ND	18	7	8	19	7	12	24	ND	ND	ND	ND	ND
18	*Colobus*	1	ND	ND	ND	ND	21	9	8	19	6	13	24	ND	ND	ND	ND	ND
19	*Colobus*	1	ND	ND	ND	ND	25	10	9	20	7	15	28	ND	ND	ND	ND	ND
20	*Colobus*	1	ND	ND	ND	ND	21	9	9	21	7	14	28	ND	ND	ND	ND	ND
21	*Colobus*	1	ND	ND	ND	ND	26	10	11	22	7	14	25	ND	ND	ND	ND	ND
22	*Colobus*	1	ND	ND	ND	ND	23	11	11	22	7	15	24	ND	ND	ND	ND	ND
23	*Colobus*	2	10	21	79	11	ND	ND	ND	ND	ND	ND	ND	24	19	11	54	10
24	*Colobus*	2	10	20	76	10	ND	ND	ND	ND	ND	ND	ND	23	21	9	53	13
25	*Colobus*	2	10	20	78	12	ND	ND	ND	ND	ND	ND	ND	22	23	10	51	13
26	*Colobus*	2	9	21	77	11	ND	ND	ND	ND	ND	ND	ND	24	22	11	54	12
27	*Colobus*	2	12	18	73	9	ND	ND	ND	ND	ND	ND	ND	25	21	12	57	11
28	*Colobus*	2	11	20	81	12	ND	ND	ND	ND	ND	ND	ND	23	22	10	54	13
29	*Colobus*	2	11	21	78	11	ND	ND	ND	ND	ND	ND	ND	22	22	12	53	14
30	*Colobus*	2	11	21	80	11	ND	ND	ND	ND	ND	ND	ND	23	21	12	55	12
31	*Colobus*	2	10	20	77	11	ND	ND	ND	ND	ND	ND	ND	23	20	10	52	14
32	*Colobus*	2	13	18	77	11	ND	ND	ND	ND	ND	ND	ND	24	21	11	54	12
33	*Colobus*	2	11	18	80	11	ND	ND	ND	ND	ND	ND	ND	25	22	11	56	16
34	*Colobus*	2	11	20	75	11	ND	ND	ND	ND	ND	ND	ND	22	22	12	55	14
35	*Colobus*	2	ND	ND	ND	ND	20	8	8	21	7	14	24	ND	ND	ND	ND	ND
36	*Colobus*	2	ND	ND	ND	ND	21	8	7	18	7	13	24	ND	ND	ND	ND	ND
37	*Colobus*	2	ND	ND	ND	ND	20	8	9	20	6	14	23	ND	ND	ND	ND	ND
38	*Colobus*	2	ND	ND	ND	ND	22	7	8	20	7	12	24	ND	ND	ND	ND	ND
39	*Colobus*	2	ND	ND	ND	ND	21	9	8	19	6	14	24	ND	ND	ND	ND	ND
40	*Colobus*	2	ND	ND	ND	ND	18	8	8	19	7	14	25	ND	ND	ND	ND	ND
41	*Colobus*	2	ND	ND	ND	ND	19	8	7	19	7	13	24	ND	ND	ND	ND	ND
42	*Colobus*	2	ND	ND	ND	ND	17	7	7	17	6	13	26	ND	ND	ND	ND	ND
43	*Colobus*	2	ND	ND	ND	ND	20	8	7	18	7	14	24	ND	ND	ND	ND	ND
44	*Colobus*	2	ND	ND	ND	ND	22	8	8	18	7	14	24	ND	ND	ND	ND	ND
45	*Gorilla*	1	28	31	183	34	ND	ND	ND	ND	ND	ND	ND	40	38	36	111	51
46	*Gorilla*	1	31	40	184	33	ND	ND	ND	ND	ND	ND	ND	43	44	29	114	42
47	*Gorilla*	1	28	44	183	27	ND	ND	ND	ND	ND	ND	ND	51	41	33	121	54
48	*Gorilla*	1	29	40	181	32	ND	ND	ND	ND	ND	ND	ND	43	41	26	111	48
49	*Gorilla*	1	29	32	184	33	ND	ND	ND	ND	ND	ND	ND	48	42	24	113	47
50	*Gorilla*	1	34	38	181	28	ND	ND	ND	ND	ND	ND	ND	39	43	35	112	53
51	*Gorilla*	1	27	41	186	28	ND	ND	ND	ND	ND	ND	ND	43	40	36	119	58
52	*Gorilla*	1	24	40	167	25	ND	ND	ND	ND	ND	ND	ND	39	38	34	113	51
53	*Gorilla*	1	29	37	175	24	ND	ND	ND	ND	ND	ND	ND	41	43	27	107	59
54	*Gorilla*	1	26	42	186	32	ND	ND	ND	ND	ND	ND	ND	40	44	30	108	55
55	*Gorilla*	1	29	40	181	38	ND	ND	ND	ND	ND	ND	ND	42	41	43	126	57
56	*Gorilla*	1	30	32	185	24	ND	ND	ND	ND	ND	ND	ND	41	40	33	111	54
57	*Gorilla*	1	31	42	179	20	ND	ND	ND	ND	ND	ND	ND	46	41	34	114	51
58	*Gorilla*	1	31	41	184	28	ND	ND	ND	ND	ND	ND	ND	40	45	29	106	56
59	*Gorilla*	1	26	40	175	30	ND	ND	ND	ND	ND	ND	ND	43	42	29	109	56
60	*Gorilla*	1	31	36	177	29	ND	ND	ND	ND	ND	ND	ND	42	38	35	116	48
61	*Gorilla*	1	34	41	185	27	ND	ND	ND	ND	ND	ND	ND	42	44	43	124	64
62	*Gorilla*	1	26	42	172	29	ND	ND	ND	ND	ND	ND	ND	43	40	32	116	48

Appendix 1 - Dataset A

Specimen	Genus	Sex	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23
1	*Colobus*	1	34	11	5	67	84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	*Colobus*	1	35	15	7	71	82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	*Colobus*	1	39	13	7	76	89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	*Colobus*	1	36	11	10	72	87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	*Colobus*	1	43	14	6	73	90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	*Colobus*	1	37	13	9	64	81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	*Colobus*	1	33	13	10	69	84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	*Colobus*	1	39	14	7	64	69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	*Colobus*	1	37	13	9	67	81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	*Colobus*	1	38	13	6	66	81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	*Colobus*	1	39	14	8	71	86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	*Colobus*	1	37	13	9	68	81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	*Colobus*	1	ND	ND	ND	ND	ND	59	57	36	9	42	17	21	37	14	68	89	48	12
14	*Colobus*	1	ND	ND	ND	ND	ND	60	53	34	10	37	15	19	36	14	66	85	47	11
15	*Colobus*	1	ND	ND	ND	ND	ND	64	56	28	10	44	22	25	39	15	69	91	50	12
16	*Colobus*	1	ND	ND	ND	ND	ND	63	53	33	9	44	18	23	40	14	68	90	50	12
17	*Colobus*	1	ND	ND	ND	ND	ND	56	49	26	6	38	16	20	34	15	61	79	45	10
18	*Colobus*	1	ND	ND	ND	ND	ND	62	57	29	11	39	19	21	42	18	69	90	50	11
19	*Colobus*	1	ND	ND	ND	ND	ND	66	53	30	7	42	20	22	42	16	72	92	51	12
20	*Colobus*	1	ND	ND	ND	ND	ND	68	56	32	8	48	19	25	37	14	70	97	53	11
21	*Colobus*	1	ND	ND	ND	ND	ND	70	61	35	14	49	20	25	42	19	73	96	54	12
22	*Colobus*	1	ND	ND	ND	ND	ND	68	57	32	8	43	21	23	40	17	70	93	52	10
23	*Colobus*	2	31	11	6	63	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	*Colobus*	2	30	11	5	61	72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	*Colobus*	2	34	11	5	62	76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26	*Colobus*	2	33	11	6	64	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27	*Colobus*	2	31	11	6	65	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28	*Colobus*	2	35	13	6	64	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
29	*Colobus*	2	33	11	7	64	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
30	*Colobus*	2	34	12	8	65	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
31	*Colobus*	2	36	12	6	61	74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
32	*Colobus*	2	32	12	7	64	73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	*Colobus*	2	34	12	6	65	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
34	*Colobus*	2	38	10	6	63	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	*Colobus*	2	ND	ND	ND	ND	ND	60	58	28	7	43	18	22	39	15	68	90	50	11
36	*Colobus*	2	ND	ND	ND	ND	ND	63	52	27	8	38	17	19	34	14	66	80	46	13
37	*Colobus*	2	ND	ND	ND	ND	ND	59	54	28	7	37	15	19	35	16	64	82	48	11
38	*Colobus*	2	ND	ND	ND	ND	ND	57	51	25	7	41	18	19	35	14	64	86	45	13
39	*Colobus*	2	ND	ND	ND	ND	ND	60	53	23	9	39	18	20	37	14	66	82	48	11
40	*Colobus*	2	ND	ND	ND	ND	ND	57	50	26	9	38	16	18	34	14	63	79	44	11
41	*Colobus*	2	ND	ND	ND	ND	ND	54	49	28	8	36	13	17	34	14	61	81	46	10
42	*Colobus*	2	ND	ND	ND	ND	ND	52	46	24	7	34	14	16	29	13	58	74	44	12
43	*Colobus*	2	ND	ND	ND	ND	ND	57	45	25	7	34	15	18	35	14	64	82	49	10
44	*Colobus*	2	ND	ND	ND	ND	ND	60	55	27	8	41	19	20	38	15	66	87	51	11
45	*Gorilla*	1	89	34	34	155	178	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
46	*Gorilla*	1	78	34	36	166	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
47	*Gorilla*	1	86	30	41	165	183	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
48	*Gorilla*	1	83	32	45	156	177	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
49	*Gorilla*	1	87	37	42	155	188	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50	*Gorilla*	1	92	33	41	150	168	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
51	*Gorilla*	1	95	36	36	156	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
52	*Gorilla*	1	83	32	37	137	161	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53	*Gorilla*	1	92	36	39	137	167	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
54	*Gorilla*	1	85	32	39	155	177	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
55	*Gorilla*	1	97	43	43	171	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56	*Gorilla*	1	89	37	36	157	181	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
57	*Gorilla*	1	84	30	35	150	175	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
58	*Gorilla*	1	94	33	46	140	173	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
59	*Gorilla*	1	95	36	37	141	165	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
60	*Gorilla*	1	88	35	39	151	172	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
61	*Gorilla*	1	99	35	41	169	192	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
62	*Gorilla*	1	79	35	38	158	176	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	F24	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
1	*Colobus*	1	ND	85	45	53	59	62	8	45	23	71	23	ND	ND	ND	ND	ND	ND
2	*Colobus*	1	ND	84	47	52	59	65	5	52	25	73	17	ND	ND	ND	ND	ND	ND
3	*Colobus*	1	ND	88	46	53	60	63	6	50	26	73	21	ND	ND	ND	ND	ND	ND
4	*Colobus*	1	ND	86	45	52	58	60	8	49	27	71	21	ND	ND	ND	ND	ND	ND
5	*Colobus*	1	ND	89	46	52	62	64	9	51	23	76	21	ND	ND	ND	ND	ND	ND
6	*Colobus*	1	ND	85	43	48	56	61	7	49	21	68	19	ND	ND	ND	ND	ND	ND
7	*Colobus*	1	ND	84	46	50	58	62	5	52	25	69	21	ND	ND	ND	ND	ND	ND
8	*Colobus*	1	ND	89	45	51	58	62	7	51	25	70	17	ND	ND	ND	ND	ND	ND
9	*Colobus*	1	ND	81	43	49	56	61	7	51	25	73	19	ND	ND	ND	ND	ND	ND
10	*Colobus*	1	ND	82	43	49	55	63	6	50	23	70	18	ND	ND	ND	ND	ND	ND
11	*Colobus*	1	ND	86	43	49	55	61	7	56	24	71	21	ND	ND	ND	ND	ND	ND
12	*Colobus*	1	ND	81	45	50	57	62	7	50	27	73	18	ND	ND	ND	ND	ND	ND
13	*Colobus*	1	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66	27	15	32	42	18
14	*Colobus*	1	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58	24	12	29	42	15
15	*Colobus*	1	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	24	14	28	40	16
16	*Colobus*	1	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	27	14	31	42	16
17	*Colobus*	1	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	25	15	29	35	15
18	*Colobus*	1	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	26	14	30	45	16
19	*Colobus*	1	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	27	13	33	45	16
20	*Colobus*	1	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	26	14	30	42	16
21	*Colobus*	1	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	28	15	31	45	18
22	*Colobus*	1	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	27	14	32	39	17
23	*Colobus*	2	ND	81	43	48	56	54	7	50	20	60	20	ND	ND	ND	ND	ND	ND
24	*Colobus*	2	ND	80	44	52	55	53	7	48	20	61	17	ND	ND	ND	ND	ND	ND
25	*Colobus*	2	ND	77	43	48	54	56	8	51	21	61	19	ND	ND	ND	ND	ND	ND
26	*Colobus*	2	ND	81	47	48	56	57	6	51	20	61	17	ND	ND	ND	ND	ND	ND
27	*Colobus*	2	ND	81	44	48	56	55	8	48	21	63	19	ND	ND	ND	ND	ND	ND
28	*Colobus*	2	ND	81	43	48	57	61	8	49	20	68	18	ND	ND	ND	ND	ND	ND
29	*Colobus*	2	ND	80	43	49	55	55	8	49	22	62	19	ND	ND	ND	ND	ND	ND
30	*Colobus*	2	ND	81	42	47	57	57	8	50	18	64	17	ND	ND	ND	ND	ND	ND
31	*Colobus*	2	ND	79	42	48	54	56	8	46	20	63	18	ND	ND	ND	ND	ND	ND
32	*Colobus*	2	ND	81	45	49	55	57	6	50	22	63	17	ND	ND	ND	ND	ND	ND
33	*Colobus*	2	ND	81	45	47	56	57	6	50	22	66	18	ND	ND	ND	ND	ND	ND
34	*Colobus*	2	ND	77	43	45	53	55	8	47	18	62	18	ND	ND	ND	ND	ND	ND
35	*Colobus*	2	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	27	13	30	43	15
36	*Colobus*	2	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	26	14	29	39	15
37	*Colobus*	2	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	25	12	29	37	14
38	*Colobus*	2	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58	24	12	28	39	15
39	*Colobus*	2	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57	26	13	30	42	16
40	*Colobus*	2	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	25	13	29	41	14
41	*Colobus*	2	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52	25	13	29	38	12
42	*Colobus*	2	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	23	11	28	37	13
43	*Colobus*	2	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	26	13	29	38	13
44	*Colobus*	2	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	26	13	31	42	16
45	*Gorilla*	1	ND	212	69	108	101	130	20	81	82	152	74	ND	ND	ND	ND	ND	ND
46	*Gorilla*	1	ND	196	74	105	105	143	22	85	100	175	80	ND	ND	ND	ND	ND	ND
47	*Gorilla*	1	ND	215	80	105	108	132	24	83	107	157	82	ND	ND	ND	ND	ND	ND
48	*Gorilla*	1	ND	201	70	107	105	140	20	87	104	168	75	ND	ND	ND	ND	ND	ND
49	*Gorilla*	1	ND	175	70	102	100	140	20	76	90	165	55	ND	ND	ND	ND	ND	ND
50	*Gorilla*	1	ND	190	70	113	98	131	21	82	91	158	75	ND	ND	ND	ND	ND	ND
51	*Gorilla*	1	ND	197	72	111	111	135	27	86	87	158	78	ND	ND	ND	ND	ND	ND
52	*Gorilla*	1	ND	170	74	104	107	124	21	84	62	147	59	ND	ND	ND	ND	ND	ND
53	*Gorilla*	1	ND	170	75	113	110	140	13	90	73	153	62	ND	ND	ND	ND	ND	ND
54	*Gorilla*	1	ND	185	68	100	92	130	19	78	102	159	62	ND	ND	ND	ND	ND	ND
55	*Gorilla*	1	ND	200	69	115	104	147	21	95	94	165	82	ND	ND	ND	ND	ND	ND
56	*Gorilla*	1	ND	181	66	112	114	145	18	83	85	164	66	ND	ND	ND	ND	ND	ND
57	*Gorilla*	1	ND	174	76	105	113	133	21	94	61	150	60	ND	ND	ND	ND	ND	ND
58	*Gorilla*	1	ND	188	68	107	103	141	33	82	84	162	72	ND	ND	ND	ND	ND	ND
59	*Gorilla*	1	ND	190	72	106	106	135	18	86	78	153	73	ND	ND	ND	ND	ND	ND
60	*Gorilla*	1	ND	180	73	92	99	146	21	87	65	160	65	ND	ND	ND	ND	ND	ND
61	*Gorilla*	1	ND	225	82	120	113	159	25	91	109	179	90	ND	ND	ND	ND	ND	ND
62	*Gorilla*	1	ND	185	70	106	105	136	26	83	74	171	73	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32
1	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND
2	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	ND
3	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
4	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND
5	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
6	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND
7	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND
8	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
9	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND
10	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND
11	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
12	*Colobus*	1	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND
13	*Colobus*	1	19	15	16	24	16	17	33	ND	41	15	1	48	42	34	23	50
14	*Colobus*	1	16	15	13	22	13	16	31	ND	36	17	1	48	35	34	25	52
15	*Colobus*	1	18	15	15	24	13	16	33	ND	40	19	1	47	37	36	25	49
16	*Colobus*	1	18	17	15	26	14	16	35	ND	41	18	1	50	37	36	25	51
17	*Colobus*	1	16	14	13	24	15	17	30	ND	40	15	2	47	35	32	25	49
18	*Colobus*	1	18	16	14	24	15	16	34	ND	38	18	2	50	38	34	25	51
19	*Colobus*	1	18	16	18	24	16	18	35	ND	39	18	2	51	37	35	27	52
20	*Colobus*	1	18	16	14	25	15	18	36	ND	44	19	2	54	34	32	27	55
21	*Colobus*	1	19	17	20	24	14	16	36	ND	41	20	2	50	38	41	25	52
22	*Colobus*	1	18	17	17	25	14	15	36	ND	40	19	2	50	38	38	25	52
23	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	ND	ND
24	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	ND	ND
25	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	ND	ND
26	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND
27	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND
28	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	ND
29	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND
30	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND
31	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	ND
32	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	ND
33	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	ND
34	*Colobus*	2	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND
35	*Colobus*	2	18	16	13	25	17	17	35	ND	41	15	1	49	40	36	24	50
36	*Colobus*	2	17	14	14	22	13	15	30	ND	37	15	1	51	36	37	26	53
37	*Colobus*	2	16	15	12	25	16	16	33	ND	42	15	1	46	36	37	24	49
38	*Colobus*	2	17	15	14	23	14	14	31	ND	37	16	1	45	37	35	23	46
39	*Colobus*	2	15	13	13	23	14	15	32	ND	39	16	1	50	36	38	24	52
40	*Colobus*	2	16	14	12	22	13	16	30	ND	37	15	1	45	34	33	22	48
41	*Colobus*	2	14	14	11	22	16	16	32	ND	39	13	1	50	35	32	23	52
42	*Colobus*	2	13	14	10	20	18	16	28	ND	38	13	1	45	37	34	20	47
43	*Colobus*	2	15	15	12	23	15	16	33	ND	40	15	1	47	39	37	21	52
44	*Colobus*	2	17	16	14	23	17	17	33	ND	38	15	1	47	39	32	23	49
45	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	ND	ND	ND	ND	ND
46	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	55	ND	ND	ND	ND	ND	ND	ND	ND
47	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	53	ND	ND	ND	ND	ND	ND	ND	ND
48	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	58	ND	ND	ND	ND	ND	ND	ND	ND
49	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	ND	ND	ND	ND	ND
50	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	ND	ND	ND	ND	ND
51	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	53	ND	ND	ND	ND	ND	ND	ND	ND
52	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	ND	ND	ND	ND	ND
53	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND
54	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	ND	ND	ND	ND
55	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	60	ND	ND	ND	ND	ND	ND	ND	ND
56	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	57	ND	ND	ND	ND	ND	ND	ND	ND
57	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	54	ND	ND	ND	ND	ND	ND	ND	ND
58	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	55	ND	ND	ND	ND	ND	ND	ND	ND
59	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	ND	ND	ND	ND	ND
60	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	ND	ND	ND	ND	ND
61	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	55	ND	ND	ND	ND	ND	ND	ND	ND
62	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Set	CJ3	CJ4
1	*Colobus*	1	ND	ND
2	*Colobus*	1	ND	ND
3	*Colobus*	1	ND	ND
4	*Colobus*	1	ND	ND
5	*Colobus*	1	ND	ND
6	*Colobus*	1	ND	ND
7	*Colobus*	1	ND	ND
8	*Colobus*	1	ND	ND
9	*Colobus*	1	ND	ND
10	*Colobus*	1	ND	ND
11	*Colobus*	1	ND	ND
12	*Colobus*	1	ND	ND
13	*Colobus*	1	24	36
14	*Colobus*	1	27	41
15	*Colobus*	1	30	36
16	*Colobus*	1	28	41
17	*Colobus*	1	28	37
18	*Colobus*	1	29	42
19	*Colobus*	1	28	38
20	*Colobus*	1	31	39
21	*Colobus*	1	31	41
22	*Colobus*	1	30	40
23	*Colobus*	2	ND	ND
24	*Colobus*	2	ND	ND
25	*Colobus*	2	ND	ND
26	*Colobus*	2	ND	ND
27	*Colobus*	2	ND	ND
28	*Colobus*	2	ND	ND
29	*Colobus*	2	ND	ND
30	*Colobus*	2	ND	ND
31	*Colobus*	2	ND	ND
32	*Colobus*	2	ND	ND
33	*Colobus*	2	ND	ND
34	*Colobus*	2	ND	ND
35	*Colobus*	2	26	37
36	*Colobus*	2	29	40
37	*Colobus*	2	27	39
38	*Colobus*	2	28	37
39	*Colobus*	2	27	38
40	*Colobus*	2	26	36
41	*Colobus*	2	23	39
42	*Colobus*	2	23	36
43	*Colobus*	2	23	39
44	*Colobus*	2	26	38
45	*Gorilla*	1	ND	ND
46	*Gorilla*	1	ND	ND
47	*Gorilla*	1	ND	ND
48	*Gorilla*	1	ND	ND
49	*Gorilla*	1	ND	ND
50	*Gorilla*	1	ND	ND
51	*Gorilla*	1	ND	ND
52	*Gorilla*	1	ND	ND
53	*Gorilla*	1	ND	ND
54	*Gorilla*	1	ND	ND
55	*Gorilla*	1	ND	ND
56	*Gorilla*	1	ND	ND
57	*Gorilla*	1	ND	ND
58	*Gorilla*	1	ND	ND
59	*Gorilla*	1	ND	ND
60	*Gorilla*	1	ND	ND
61	*Gorilla*	1	ND	ND
62	*Gorilla*	1	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	Source	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
63	*Gorilla*	1	Wood (1975)	11.5	13.0	11.0	8.5	15.5	19.5	32.0	15.5	11.0	14.5	11.0	14.5
64	*Gorilla*	1	Wood (1975)	11.0	13.5	11.0	10.0	16.2	21.0	32.0	16.0	10.5	15.0	10.0	15.5
65	*Gorilla*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66	*Gorilla*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67	*Gorilla*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68	*Gorilla*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69	*Gorilla*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
70	*Gorilla*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
71	*Gorilla*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72	*Gorilla*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
73	*Gorilla*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
74	*Gorilla*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75	*Gorilla*	2	Wood (1975)	10.5	13.5	10.0	10.0	11.2	15.5	19.0	15.0	11.0	14.5	11.0	15.0
76	*Gorilla*	2	Wood (1975)	10 0	12.0	9.0	9.0	11.0	15.2	19.0	14.0	11.5	13.2	11.0	14.0
77	*Gorilla*	2	Wood (1975)	10 0	12.0	8.0	8.0	11.5	14.5	15.0	16.0	10.0	14.0	11.0	14.0
78	*Gorilla*	2	Wood (1975)	11.0	12.4	9.5	8.0	12.0	15.5	15.5	16.0	11.0	15.0	11.0	15.5
79	*Gorilla*	2	Wood (1975)	10.2	12.7	10.0	8.9	12.0	14.8	16.5	14.0	9.4	13.5	9.0	14.0
80	*Gorilla*	2	Wood (1975)	10.0	12.0	8.3	7.8	11.3	15.0	16.0	14.8	10.2	14.0	11.0	14.0
81	*Gorilla*	2	Wood (1975)	10.0	12.7	8.4	9.0	12.8	15.2	18.0	15.0	10.5	14.3	11.1	14.3
82	*Gorilla*	2	Wood (1975)	10.5	12.4	9.8	10.5	11.5	16.5	13.0	15.0	10.5	15.0	12.0	15.5
83	*Gorilla*	2	Wood (1975)	10 4	13.5	10.0	9.4	12.8	17.0	18.0	16.5	11.0	15.3	11.0	15.3
84	*Gorilla*	2	Wood (1975)	10.2	13.8	8.9	9.6	12.0	16.0	18.0	14.1	11.0	14.0	9.8	14.2
85	*Gorilla*	2	Wood (1975)	10 0	13.0	8.5	7.7	11.0	15.0	16.0	14.2	10.3	14.2	10.3	14.3
86	*Gorilla*	2	Wood (1975)	10 0	12.7	10.0	9.3	13.0	16.0	17.5	15.0	10.0	15.0	9.3	15.0
87	*Gorilla*	2	Wood (1975)	10.8	14.2	10.2	11.0	13.0	16.0	17.4	16.0	11.5	14.5	11.8	15.3
88	*Gorilla*	2	Wood (1975)	9.3	10.8	9.5	8.7	10.5	13.0	15.3	13.5	10.0	13.5	10.0	14.0
89	*Gorilla*	2	Wood (1975)	9 4	12.2	9.0	9.0	10.0	14.5	17.0	14.0	10.5	14.0	10.0	14.5
90	*Gorilla*	2	Wood (1975)	9 0	13.0	8.0	8.0	11.3	13.0	15.0	15.0	10.0	14.5	11.0	15.0
91	*Gorilla*	2	Wood (1975)	10 6	13.0	8.5	8.5	11.0	15.0	17.5	14.0	10.5	13.5	10.0	14.8
92	*Gorilla*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
93	*Gorilla*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
94	*Gorilla*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95	*Gorilla*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
96	*Gorilla*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
97	*Gorilla*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
98	*Gorilla*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
99	*Gorilla*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100	*Gorilla*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
101	*Gorilla*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
102	*Homo*	1	Wood (1975)	7.4	8.4	6.5	6.8	9.3	8.1	8.0	9.7	6.9	10.1	6.8	12.6
103	*Homo*	1	Wood (1975)	6.7	8.6	6.0	7.2	7.6	7.6	8.7	8.8	7.3	8.5	6.2	10.6
104	*Homo*	1	Wood (1975)	7.7	8.4	7.0	6.5	8.5	7.6	11.0	9.3	6.8	9.3	8.0	11.5
105	*Homo*	1	Wood (1975)	7.0	8.0	6.9	7.0	8.3	7.5	10.8	9.9	7.1	10.2	7.1	11.5
106	*Homo*	1	Wood (1975)	6 8	8.1	5.1	5.7	7.7	7.5	7.8	9.2	6.8	9.6	6.7	11.2
107	*Homo*	1	Wood (1975)	7.8	9.9	7.0	7.9	8.5	7.5	9.7	10.1	7.1	9.3	6.4	12.0
108	*Homo*	1	Wood (1975)	7.5	9.1	7.0	8.0	8.3	7.5	10.4	10.0	7.3	10.7	7.2	12.1
109	*Homo*	1	Wood (1975)	7.3	9.3	6.7	7.1	9.0	7.6	9.2	10.0	7.2	9.5	6.8	11.2
110	*Homo*	1	Wood (1975)	6.7	8.8	6.2	6.8	8.5	7.7	9.9	10.0	7.0	9.1	6.5	11.3
111	*Homo*	1	Wood (1975)	8.0	9.8	7.6	7.8	9.4	7.5	8.4	9.9	7.0	9.6	6.5	11.5
112	*Homo*	1	Wood (1975)	7.7	9.0	6.3	7.3	8.9	8.0	10.2	10.2	7.7	10.6	7.1	12.1
113	*Homo*	1	Wood (1975)	7.6	9.2	7.3	6.9	9.4	8.3	9.8	10.5	7.8	10.5	6.8	12.3
114	*Homo*	1	Wood (1975)	7.3	8.7	6.5	6.8	9.2	8.1	8.0	9.7	7.0	10.1	6.8	12.6
115	*Homo*	1	Wood (1975)	7.0	8.0	6.1	6.7	8.1	7.2	8.4	9.7	7.0	9.7	6.3	11.1
116	*Homo*	1	Wood (1975)	6.8	7.7	6.2	6.8	7.9	7.7	9.8	9.5	7.0	9.3	6.9	10.6
117	*Homo*	1	Wood (1975)	7.5	8 6	6.9	7.1	8.8	7.5	8.7	9.3	7.4	9.4	7.0	11.6
118	*Homo*	1	Wood (1975)	7.2	9.2	6.6	7.6	8.3	7.4	10.4	10.1	7.4	10.4	7.2	12.4
119	*Homo*	1	Wood (1975)	7.3	8.4	6.7	7.4	9.0	7.0	9.9	9.1	7.0	9.6	7.8	12.8
120	*Homo*	1	Wood (1975)	7.7	10.0	6.8	8.1	9.4	7.8	10.2	9.8	8.5	9.3	8.0	12.2
121	*Homo*	1	Wood (1975)	7.7	8.9	6.7	5.9	8.0	7.2	8.1	9.7	6.8	9.8	6.4	12.2
122	*Homo*	1	Wood (1975)	7.8	8.7	7.3	7.1	9.5	7.8	9.3	9.9	7.0	10.1	6.7	13.5
123	*Homo*	1	Wood (1975)	7.6	8 8	6.8	7.0	9.1	8.0	10.0	9.7	8.5	9.8	7.0	11.5
124	*Homo*	1	Wood (1975)	7.4	8 5	6.5	7.0	8.2	7.1	8.0	8.9	6.7	9.2	7.2	11.0

Appendix 1 - Dataset A

Specimen	Genus	Set	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28	P29
63	*Gorilla*	1	14.0	16.0	14.0	14.0	15.0	65	39	108	34	14	95	ND	ND	ND	ND	ND	ND
64	*Gorilla*	1	14.5	16.0	16.0	16.0	16.0	66	37	103	34	19	90	ND	ND	ND	ND	ND	ND
65	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72	41	10	19	17	20
66	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	71	40	8	16	20	22
67	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	76	42	12	23	19	23
68	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68	40	9	18	20	20
69	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66	36	8	16	22	20
70	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	35	10	17	20	20
71	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	33	8	17	17	19
72	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	32	7	13	18	20
73	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69	39	10	19	19	19
74	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74	42	13	20	16	18
75	*Gorilla*	2	14.5	16.5	16.5	15.5	15.5	62	37	92	32	16	87	ND	ND	ND	ND	ND	ND
76	*Gorilla*	2	14.0	14.8	15.0	13.5	14.0	58	36	87	30	15	83	ND	ND	ND	ND	ND	ND
77	*Gorilla*	2	14.0	15.0	16.0	14.0	13.5	60	39	91	32	13	85	ND	ND	ND	ND	ND	ND
78	*Gorilla*	2	15.0	16.0	16.0	16.2	16.0	67	44	110	37	16	91	ND	ND	ND	ND	ND	ND
79	*Gorilla*	2	14.0	15.0	15.0	13.0	12.5	58	39	90	33	17	82	ND	ND	ND	ND	ND	ND
80	*Gorilla*	2	14.1	16.0	15.5	14.0	14.5	62	38	97	34	22	85	ND	ND	ND	ND	ND	ND
81	*Gorilla*	2	15.0	15.3	15.8	14.4	14.3	62	37	88	32	17	90	ND	ND	ND	ND	ND	ND
82	*Gorilla*	2	15.0	17.0	17.3	15.0	15.3	65	38	96	33	16	92	ND	ND	ND	ND	ND	ND
83	*Gorilla*	2	14.4	17.3	16.8	16.5	15.8	70	46	97	39	21	89	ND	ND	ND	ND	ND	ND
84	*Gorilla*	2	14.8	15.0	15.2	13.9	14.5	59	38	86	30	21	81	ND	ND	ND	ND	ND	ND
85	*Gorilla*	2	14.0	15.2	15.3	13.5	13.2	61	40	91	35	21	84	ND	ND	ND	ND	ND	ND
86	*Gorilla*	2	14.3	16.0	16.2	14.0	13.3	64	43	100	34	18	89	ND	ND	ND	ND	ND	ND
87	*Gorilla*	2	15.5	16.5	17.0	15.5	15.8	64	41	93	35	17	89	ND	ND	ND	ND	ND	ND
88	*Gorilla*	2	13.0	15.0	15.2	13.8	13.6	68	37	92	36	20	85	ND	ND	ND	ND	ND	ND
89	*Gorilla*	2	14.0	15.8	15.0	14.0	14.0	62	41	90	35	22	86	ND	ND	ND	ND	ND	ND
90	*Gorilla*	2	14.0	15.8	15.5	15.2	15.5	62	41	98	32	19	92	ND	ND	ND	ND	ND	ND
91	*Gorilla*	2	14.2	15.2	16.0	13.5	15.0	57	37	90	30	19	86	ND	ND	ND	ND	ND	ND
92	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	32	11	17	21	20
93	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	39	11	20	13	16
94	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66	38	10	12	15	20
95	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	33	7	9	15	19
96	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	75	38	10	13	23	22
97	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	34	10	16	20	20
98	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	32	8	16	18	19
99	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	35	13	19	15	19
100	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	32	10	18	18	20
101	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	33	12	17	18	21
102	*Homo*	1	10.6	12.8	10.6	13.3	9.0	64	26	53	38	14	52	ND	ND	ND	ND	ND	ND
103	*Homo*	1	10.2	10.7	9.3	10.3	7.8	66	23	53	43	12	50	ND	ND	ND	ND	ND	ND
104	*Homo*	1	11.3	11.9	10.0	11.5	9.1	53	24	47	30	14	51	ND	ND	ND	ND	ND	ND
105	*Homo*	1	10.0	12.3	9.4	12.0	8.6	66	27	53	41	16	54	ND	ND	ND	ND	ND	ND
106	*Homo*	1	11.4	10.8	9.5	10.4	9.2	61	25	52	34	8	49	ND	ND	ND	ND	ND	ND
107	*Homo*	1	10.5	12.4	10.0	12.5	8.2	59	29	51	34	8	53	ND	ND	ND	ND	ND	ND
108	*Homo*	1	11.2	12.5	11.2	11.9	10.4	67	26	57	39	14	55	ND	ND	ND	ND	ND	ND
109	*Homo*	1	10.0	11.4	10.5	11.2	8.5	62	27	56	37	12	53	ND	ND	ND	ND	ND	ND
110	*Homo*	1	10.3	11.8	8.7	11.3	8.4	65	27	54	38	10	51	ND	ND	ND	ND	ND	ND
111	*Homo*	1	10.4	12.0	10.2	11.9	8.8	64	26	53	38	11	47	ND	ND	ND	ND	ND	ND
112	*Homo*	1	11.4	12.5	11.1	11.7	9.7	63	25	56	40	14	56	ND	ND	ND	ND	ND	ND
113	*Homo*	1	11.5	13.6	11.3	12.2	9.4	69	26	56	40	4	53	ND	ND	ND	ND	ND	ND
114	*Homo*	1	10.5	13.0	10.2	13.3	9.0	63	26	52	36	12	51	ND	ND	ND	ND	ND	ND
115	*Homo*	1	10.2	11.8	10.0	11.1	8.0	61	27	51	38	8	47	ND	ND	ND	ND	ND	ND
116	*Homo*	1	10.0	10.7	9.6	10.3	8.8	61	29	57	39	8	55	ND	ND	ND	ND	ND	ND
117	*Homo*	1	11.0	11.8	10.0	10.0	8.1	62	25	51	38	16	52	ND	ND	ND	ND	ND	ND
118	*Homo*	1	10.8	12.7	10.4	12.1	8.7	69	27	55	40	14	52	ND	ND	ND	ND	ND	ND
119	*Homo*	1	10.6	13.2	11.0	12.1	9.0	65	24	50	41	15	50	ND	ND	ND	ND	ND	ND
120	*Homo*	1	12.2	13.0	11.0	12.0	10.0	78	33	59	46	9	55	ND	ND	ND	ND	ND	ND
121	*Homo*	1	11.0	12.3	11.6	13.0	9.0	65	24	53	41	13	54	ND	ND	ND	ND	ND	ND
122	*Homo*	1	10.4	14.5	9.5	13.8	8.0	65	27	51	39	12	52	ND	ND	ND	ND	ND	ND
123	*Homo*	1	9.9	11.7	10.0	11.9	9.0	73	25	53	42	12	50	ND	ND	ND	ND	ND	ND
124	*Homo*	1	10.6	11.5	10.2	11.0	8.9	60	27	51	35	11	53	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Set	P30	P31	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
63	*Gorilla*	1	ND	ND	10.0	7.0	12.0	8.0	17.0	14.0	28.5	11.5	18.0	12.0	12.5	12.0	14.5	14.0
64	*Gorilla*	1	ND	ND	9.0	8.0	10.5	10.0	19.0	14.0	31.0	17.0	15.0	15.5	12.0	15.0	16.0	16.5
65	*Gorilla*	1	22	43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66	*Gorilla*	1	22	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67	*Gorilla*	1	22	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68	*Gorilla*	1	21	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69	*Gorilla*	1	21	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
70	*Gorilla*	1	20	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
71	*Gorilla*	1	19	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72	*Gorilla*	1	21	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
73	*Gorilla*	1	19	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
74	*Gorilla*	1	20	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75	*Gorilla*	2	ND	ND	9.0	8.7	9.7	9.0	13.0	11.3	17.5	13.5	14.0	12.0	12.4	13.0	15.0	14.5
76	*Gorilla*	2	ND	ND	8.0	7.5	9.0	9.0	13.2	10.0	17.0	12.0	13.0	12.5	10.6	13.0	15.0	14.0
77	*Gorilla*	2	ND	ND	8.1	6.5	9.1	8.0	13.0	11.0	14.0	10.5	15.5	13.0	11.0	13.5	14.5	14.5
78	*Gorilla*	2	ND	ND	9.3	6.7	10.5	8.3	13.0	11.4	14.0	11.3	17.0	12.5	12.0	14.3	16.0	15.5
79	*Gorilla*	2	ND	ND	8.0	7.0	9.3	8.0	13.0	11.0	16.0	12.0	14.0	11.5	9.5	12.5	15.0	14.0
80	*Gorilla*	2	ND	ND	8.0	7.6	10.0	8.5	14.0	10.2	15.0	12.4	15.0	12.3	12.0	12.0	14.3	14.0
81	*Gorilla*	2	ND	ND	8.0	7.0	9.0	8.0	13.5	11.0	16.6	12.5	15.3	12.5	10.0	12.5	14.0	14.8
82	*Gorilla*	2	ND	ND	9.0	7.8	11.0	8.5	14.0	11.0	15.0	13.0	14.5	13.5	12.0	14.0	16.5	16.3
83	*Gorilla*	2	ND	ND	8.8	8.0	9.3	10.0	14.5	11.8	17.0	15.4	14.0	13.5	13.0	13.8	16.0	16.0
84	*Gorilla*	2	ND	ND	8.5	8.0	9.3	9.0	13.4	10.5	18.0	14.0	13.3	12.5	11.0	13.0	16.0	14.0
85	*Gorilla*	2	ND	ND	8.0	6.2	9.3	8.7	13.7	10.0	16.0	12.5	13.5	13.1	11.0	13.3	15.3	15.2
86	*Gorilla*	2	ND	ND	9.0	8.0	10.5	9.0	15.0	11.0	17.0	12.0	15.0	13.0	11.0	12.5	15.0	14.5
87	*Gorilla*	2	ND	ND	9.5	8.0	11.0	10.0	15.2	11.5	17.6	14.5	13.5	14.3	11.0	13.5	15.5	15.3
88	*Gorilla*	2	ND	ND	8.8	6.2	9.6	7.6	13.2	10.1	16.0	12.0	14.5	13.0	11.5	12.6	14.5	15.0
89	*Gorilla*	2	ND	ND	8.0	7.2	9.2	8.0	13.0	9.5	17.0	12.0	14.0	12.5	11.0	13.0	15.5	14.5
90	*Gorilla*	2	ND	ND	8.5	7.5	9.5	9.0	13.0	10.5	17.0	11.5	16.5	12.5	11.0	13.0	16.5	14.5
91	*Gorilla*	2	ND	ND	9.2	8.0	10.3	9.0	13.4	9.8	17.0	12.0	13.0	12.0	11.0	13.0	16.0	14.8
92	*Gorilla*	2	21	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
93	*Gorilla*	2	18	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
94	*Gorilla*	2	19	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95	*Gorilla*	2	20	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
96	*Gorilla*	2	22	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
97	*Gorilla*	2	22	43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
98	*Gorilla*	2	20	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
99	*Gorilla*	2	21	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100	*Gorilla*	2	21	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
101	*Gorilla*	2	20	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
102	*Homo*	1	ND	ND	6.0	5.2	5.8	6.1	8.5	7.3	9.0	8.4	7.4	8.8	7.4	10.3	11.7	10.4
103	*Homo*	1	ND	ND	5.2	5.3	5.5	5.8	7.0	6.5	9.2	6.6	7.0	7.6	6.4	10.0	11.0	10.0
104	*Homo*	1	ND	ND	6.0	5.4	5.8	5.5	7.3	6.9	11.4	7.9	6.5	7.9	7.2	10.6	11.0	10.4
105	*Homo*	1	ND	ND	5.8	5.2	6.5	5.6	8.0	7.3	11.0	8.6	7.1	9.2	6.8	10.3	10.7	11.0
106	*Homo*	1	ND	ND	5.2	5.2	5.8	6.0	7.4	6.8	9.5	7.4	6.0	7.7	7.0	10.4	11.3	9.7
107	*Homo*	1	ND	ND	6.2	5.7	6.2	5.9	7.6	6.8	9.6	8.7	7.3	8.7	6.8	11.3	11.8	10.6
108	*Homo*	1	ND	ND	6.2	6.0	6.5	6.2	8.0	7.2	10.3	8.5	8.3	8.6	8.6	11.6	12.3	11.5
109	*Homo*	1	ND	ND	5.8	5.3	6.6	6.0	8.0	7.3	8.8	8.0	7.3	8.6	7.6	10.4	11.0	10.3
110	*Homo*	1	ND	ND	6.4	5.3	6.3	5.7	7.7	6.4	11.0	7.6	7.0	7.9	7.3	10.5	11.2	10.6
111	*Homo*	1	ND	ND	6.7	5.4	6.5	6.5	8.2	7.8	9.6	8.4	7.4	8.8	7.1	10.6	11.4	10.2
112	*Homo*	1	ND	ND	5.8	5.7	6.0	6.3	7.8	7.1	10.5	7.9	8.0	8.7	7.9	11.4	11.6	10.6
113	*Homo*	1	ND	ND	6.6	5.7	7.3	6.1	8.7	7.9	10.9	9.1	8.0	9.8	8.0	11.3	12.7	11.7
114	*Homo*	1	ND	ND	5.7	5.6	6.0	6.1	8.2	7.4	9.2	8.3	7.5	8.7	7.0	10.4	12.0	11.8
115	*Homo*	1	ND	ND	5.4	5.1	6.0	5.8	7.8	7.0	10.0	8.5	6.5	7.8	6.5	10.0	10.9	9.5
116	*Homo*	1	ND	ND	5.5	5.4	5.8	6.0	7.0	6.9	9.6	7.8	7.3	8.0	7.0	10.0	10.7	10.0
117	*Homo*	1	ND	ND	5.7	6.2	6.1	6.0	8.2	7.3	9.0	7.7	7.5	7.7	8.2	10.8	11.4	10.7
118	*Homo*	1	ND	ND	5.6	5.6	6.1	6.1	7.7	6.9	9.9	7.7	6.9	8.1	6.6	10.7	10.8	10.1
119	*Homo*	1	ND	ND	5.8	5.0	6.5	5.7	8.2	7.0	10.5	7.9	7.3	8.0	7.3	11.3	12.1	12.0
120	*Homo*	1	ND	ND	6.3	5.8	6.4	6.8	8.0	7.8	11.4	8.5	7.9	9.0	8.6	11.7	13.5	11.5
121	*Homo*	1	ND	ND	5.9	5.0	6.3	5.5	7.4	6.2	9.7	7.5	6.8	8.4	7.0	11.7	11.2	11.3
122	*Homo*	1	ND	ND	5.7	5.2	6.5	5.7	9.0	7.2	11.3	8.6	7.0	8.9	7.6	11.6	11.8	11.6
123	*Homo*	1	ND	ND	6.0	6.4	6.2	6.1	8.7	7.6	9.1	8.3	7.3	8.0	7.0	10.7	11.7	10.6
124	*Homo*	1	ND	ND	5.8	5.5	6.2	6.2	7.6	7.0	8.7	8.0	7.4	8.5	7.0	10.8	10.8	11.0

Appendix 1 - Dataset A

Specimen	Genus	Sex	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27	M28	M29
63	*Gorilla*	1	16.0	14.0	17.0	7.5	108	138	118	120	37	19	66	127	43	20	64
64	*Gorilla*	1	18.0	17.0	16.0	8.0	122	145	129	129	34	15	77	131	42	24	64
65	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
70	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
71	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
73	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
74	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75	*Gorilla*	2	18.0	16.5	14.0	8.3	86	127	97	108	29	13	52	102	32	20	59
76	*Gorilla*	2	16.2	14.0	16.0	6.5	95	115	103	103	29	13	53	96	34	20	51
77	*Gorilla*	2	16.5	13.2	16.0	6.8	95	130	96	111	32	13	58	105	39	21	58
78	*Gorilla*	2	16.0	15.8	17.7	7.5	116	135	118	118	35	12	63	112	42	20	64
79	*Gorilla*	2	16.0	12.5	13.0	6.5	92	120	93	105	30	10	53	100	36	18	50
80	*Gorilla*	2	16.2	14.0	17.0	7.2	97	132	99	116	34	14	57	111	39	20	59
81	*Gorilla*	2	16.0	14.3	17.0	7.4	103	120	93	100	29	13	56	91	33	20	54
82	*Gorilla*	2	18.0	15.0	18.5	7.3	103	135	98	116	33	13	59	99	36	20	57
83	*Gorilla*	2	17.5	15.7	18.2	8.3	94	125	97	113	28	16	53	110	32	19	57
84	*Gorilla*	2	16.0	13.8	16.5	8.0	87	124	91	98	32	11	45	103	32	20	54
85	*Gorilla*	2	17.3	14.0	17.8	7.5	93	123	94	111	33	14	56	97	39	20	55
86	*Gorilla*	2	16.3	14.4	17.2	8.0	107	107	113	113	34	17	56	103	37	21	62
87	*Gorilla*	2	18.3	14.0	15.7	8.0	103	120	103	105	32	16	57	99	38	19	56
88	*Gorilla*	2	16.6	14.2	16.8	7.3	93	133	95	110	32	15	56	101	35	19	55
89	*Gorilla*	2	17.1	14.0	15.5	7.2	87	126	87	105	32	14	55	92	31	18	53
90	*Gorilla*	2	18.5	14.0	16.5	7.3	99	123	110	109	34	14	58	101	37	20	59
91	*Gorilla*	2	17.0	14.0	16.5	8.3	87	123	88	108	29	14	57	94	34	17	53
92	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
93	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
94	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
96	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
97	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
98	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
99	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
101	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
102	*Homo*	1	10.4	10.1	12.0	6.3	58	112	61	93	20	8	35	95	27	15	33
103	*Homo*	1	9.5	9.5	10.0	5.9	44	123	52	102	21	8	34	97	31	13	36
104	*Homo*	1	11.0	10.5	11.4	6.9	44	111	54	93	20	8	34	93	28	14	34
105	*Homo*	1	10.4	10.4	11.7	6.2	58	117	65	97	23	19	35	100	34	12	40
106	*Homo*	1	10.2	9.2	10.0	5.2	52	116	54	88	19	7	35	96	26	13	29
107	*Homo*	1	10.7	11.0	10.9	6.2	49	103	49	86	18	7	34	90	25	14	29
108	*Homo*	1	12.8	10.8	11.3	6.1	53	116	60	97	20	9	43	96	33	16	42
109	*Homo*	1	10.8	10.4	11.0	5.8	57	111	58	90	19	6	40	94	29	14	38
110	*Homo*	1	10.8	9.8	10.8	6.4	47	117	54	95	20	7	33	91	28	13	35
111	*Homo*	1	10.4	10.5	10.8	6.3	58	124	62	97	22	9	36	103	29	13	35
112	*Homo*	1	11.2	11.0	11.6	6.2	51	111	61	96	22	7	35	96	27	15	32
113	*Homo*	1	11.9	11.6	13.0	6.6	38	129	51	104	21	7	35	110	33	14	40
114	*Homo*	1	10.2	10.2	12.1	6.2	58	112	61	93	20	17	34	93	29	14	33
115	*Homo*	1	10.0	9.8	11.3	5.5	40	111	53	94	19	7	30	85	25	12	32
116	*Homo*	1	10.0	9.5	10.2	5.7	40	114	50	89	22	9	36	90	25	14	31
117	*Homo*	1	10.8	10.0	10.3	5.0	49	116	51	91	20	7	34	90	26	15	33
118	*Homo*	1	10.6	9.6	10.4	5.3	47	120	65	104	20	10	36	106	31	12	38
119	*Homo*	1	13.1	10.5	9.7	5.8	46	114	56	99	21	7	34	97	31	12	40
120	*Homo*	1	13.0	11.2	12.8	6.4	59	119	63	97	22	8	36	88	32	15	39
121	*Homo*	1	11.3	11.7	12.7	5.7	45	115	54	98	20	8	29	91	28	11	36
122	*Homo*	1	11.6	10.4	10.8	5.6	49	123	60	99	20	9	41	99	28	14	39
123	*Homo*	1	10.7	10.7	10.7	6.7	62	115	71	108	19	8	36	53	26	13	33
124	*Homo*	1	11.4	10.4	12.0	7.0	63	113	55	91	20	8	36	86	28	15	30

Appendix 1 - Dataset A

Specimen	Genus	Sex	M30	M31	M32	M33	M34	M35	M36	M37	M38	M39	M40	F1	F2	F3	F4	F5
63	*Gorilla*	1	28	41	183	27	ND	ND	ND	ND	ND	ND	ND	38	40	31	103	61
64	*Gorilla*	1	35	36	165	21	ND	ND	ND	ND	ND	ND	ND	41	44	35	116	63
65	*Gorilla*	1	ND	ND	ND	ND	38	20	24	39	14	26	52	ND	ND	ND	ND	ND
66	*Gorilla*	1	ND	ND	ND	ND	40	19	17	35	15	26	51	ND	ND	ND	ND	ND
67	*Gorilla*	1	ND	ND	ND	ND	41	20	24	36	15	29	53	ND	ND	ND	ND	ND
68	*Gorilla*	1	ND	ND	ND	ND	34	18	30	35	13	26	47	ND	ND	ND	ND	ND
69	*Gorilla*	1	ND	ND	ND	ND	39	18	21	37	13	23	47	ND	ND	ND	ND	ND
70	*Gorilla*	1	ND	ND	ND	ND	34	17	20	33	15	25	50	ND	ND	ND	ND	ND
71	*Gorilla*	1	ND	ND	ND	ND	36	16	23	33	13	23	48	ND	ND	ND	ND	ND
72	*Gorilla*	1	ND	ND	ND	ND	35	22	18	31	13	25	49	ND	ND	ND	ND	ND
73	*Gorilla*	1	ND	ND	ND	ND	32	15	16	35	13	23	44	ND	ND	ND	ND	ND
74	*Gorilla*	1	ND	ND	ND	ND	37	18	26	38	14	25	50	ND	ND	ND	ND	ND
75	*Gorilla*	2	22	40	143	26	ND	ND	ND	ND	ND	ND	ND	35	38	27	96	48
76	*Gorilla*	2	23	39	139	25	ND	ND	ND	ND	ND	ND	ND	36	39	25	98	41
77	*Gorilla*	2	27	40	140	25	ND	ND	ND	ND	ND	ND	ND	37	36	23	92	48
78	*Gorilla*	2	25	40	160	33	ND	ND	ND	ND	ND	ND	ND	39	45	21	96	47
79	*Gorilla*	2	20	41	136	28	ND	ND	ND	ND	ND	ND	ND	38	42	23	96	45
80	*Gorilla*	2	23	37	149	26	ND	ND	ND	ND	ND	ND	ND	40	42	26	103	44
81	*Gorilla*	2	21	35	141	28	ND	ND	ND	ND	ND	ND	ND	36	38	27	96	44
82	*Gorilla*	2	28	38	153	28	ND	ND	ND	ND	ND	ND	ND	42	42	24	104	47
83	*Gorilla*	2	22	44	148	31	ND	ND	ND	ND	ND	ND	ND	39	42	25	99	47
84	*Gorilla*	2	26	41	133	27	ND	ND	ND	ND	ND	ND	ND	39	40	22	91	51
85	*Gorilla*	2	26	41	143	26	ND	ND	ND	ND	ND	ND	ND	37	43	27	97	48
86	*Gorilla*	2	26	35	150	31	ND	ND	ND	ND	ND	ND	ND	39	45	29	103	47
87	*Gorilla*	2	25	44	144	28	ND	ND	ND	ND	ND	ND	ND	41	37	24	112	45
88	*Gorilla*	2	29	39	141	23	ND	ND	ND	ND	ND	ND	ND	36	39	24	94	49
89	*Gorilla*	2	21	34	145	27	ND	ND	ND	ND	ND	ND	ND	37	38	25	98	48
90	*Gorilla*	2	23	38	150	30	ND	ND	ND	ND	ND	ND	ND	42	41	25	105	41
91	*Gorilla*	2	22	39	141	25	ND	ND	ND	ND	ND	ND	ND	39	41	22	95	52
92	*Gorilla*	2	ND	ND	ND	ND	36	16	15	33	14	23	45	ND	ND	ND	ND	ND
93	*Gorilla*	2	ND	ND	ND	ND	31	12	18	32	12	20	44	ND	ND	ND	ND	ND
94	*Gorilla*	2	ND	ND	ND	ND	38	18	20	32	14	21	47	ND	ND	ND	ND	ND
95	*Gorilla*	2	ND	ND	ND	ND	33	11	20	31	12	22	48	ND	ND	ND	ND	ND
96	*Gorilla*	2	ND	ND	ND	ND	37	15	24	37	15	26	53	ND	ND	ND	ND	ND
97	*Gorilla*	2	ND	ND	ND	ND	35	15	15	30	14	25	47	ND	ND	ND	ND	ND
98	*Gorilla*	2	ND	ND	ND	ND	33	14	18	33	14	24	47	ND	ND	ND	ND	ND
99	*Gorilla*	2	ND	ND	ND	ND	34	13	16	35	14	25	48	ND	ND	ND	ND	ND
100	*Gorilla*	2	ND	ND	ND	ND	34	16	18	34	14	25	47	ND	ND	ND	ND	ND
101	*Gorilla*	2	ND	ND	ND	ND	33	14	16	32	14	23	47	ND	ND	ND	ND	ND
102	*Homo*	1	14	49	100	17	ND	ND	ND	ND	ND	ND	ND	36	34	28	96	22
103	*Homo*	1	14	45	114	18	ND	ND	ND	ND	ND	ND	ND	39	36	32	107	25
104	*Homo*	1	14	46	100	19	ND	ND	ND	ND	ND	ND	ND	35	32	30	97	19
105	*Homo*	1	14	49	113	18	ND	ND	ND	ND	ND	ND	ND	37	35	29	103	24
106	*Homo*	1	14	50	108	19	ND	ND	ND	ND	ND	ND	ND	34	34	28	99	22
107	*Homo*	1	13	45	110	21	ND	ND	ND	ND	ND	ND	ND	34	29	25	89	16
108	*Homo*	1	15	45	110	19	ND	ND	ND	ND	ND	ND	ND	39	33	34	107	20
109	*Homo*	1	15	46	111	19	ND	ND	ND	ND	ND	ND	ND	35	30	31	98	21
110	*Homo*	1	13	42	105	20	ND	ND	ND	ND	ND	ND	ND	36	35	29	98	22
111	*Homo*	1	13	47	106	19	ND	ND	ND	ND	ND	ND	ND	37	31	27	99	29
112	*Homo*	1	15	48	120	20	ND	ND	ND	ND	ND	ND	ND	38	34	23	95	22
113	*Homo*	1	17	51	122	19	ND	ND	ND	ND	ND	ND	ND	38	35	31	107	31
114	*Homo*	1	14	50	97	17	ND	ND	ND	ND	ND	ND	ND	35	33	27	96	20
115	*Homo*	1	14	47	103	22	ND	ND	ND	ND	ND	ND	ND	35	33	27	93	20
116	*Homo*	1	15	47	113	17	ND	ND	ND	ND	ND	ND	ND	35	31	27	93	20
117	*Homo*	1	14	45	103	17	ND	ND	ND	ND	ND	ND	ND	36	34	27	97	20
118	*Homo*	1	15	53	114	22	ND	ND	ND	ND	ND	ND	ND	36	32	31	101	22
119	*Homo*	1	11	46	114	18	ND	ND	ND	ND	ND	ND	ND	39	33	34	107	22
120	*Homo*	1	14	43	120	21	ND	ND	ND	ND	ND	ND	ND	38	34	32	103	25
121	*Homo*	1	12	49	118	16	ND	ND	ND	ND	ND	ND	ND	36	31	28	98	25
122	*Homo*	1	16	49	114	17	ND	ND	ND	ND	ND	ND	ND	37	32	29	101	25
123	*Homo*	1	16	52	107	20	ND	ND	ND	ND	ND	ND	ND	35	36	30	100	24
124	*Homo*	1	15	46	100	17	ND	ND	ND	ND	ND	ND	ND	35	30	32	98	15

Appendix 1 - Dataset A

Specimen	Genus	Sex	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23
63	*Gorilla*	1	98	31	30	140	169	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64	*Gorilla*	1	98	36	39	162	186	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65	*Gorilla*	1	ND	ND	ND	ND	ND	141	126	68	26	130	58	85	123	46	141	200	110	14
66	*Gorilla*	1	ND	ND	ND	ND	ND	136	134	74	27	136	53	74	115	43	140	203	112	10
67	*Gorilla*	1	ND	ND	ND	ND	ND	148	132	69	24	135	59	83	128	47	153	207	111	15
68	*Gorilla*	1	ND	ND	ND	ND	ND	134	131	70	23	111	46	67	108	47	137	195	113	11
69	*Gorilla*	1	ND	ND	ND	ND	ND	116	128	65	22	110	54	75	108	50	132	194	106	14
70	*Gorilla*	1	ND	ND	ND	ND	ND	112	109	58	19	120	51	75	103	43	125	181	92	13
71	*Gorilla*	1	ND	ND	ND	ND	ND	99	104	59	21	116	46	65	91	36	114	174	92	10
72	*Gorilla*	1	ND	ND	ND	ND	ND	112	108	62	27	105	41	65	95	38	121	173	93	13
73	*Gorilla*	1	ND	ND	ND	ND	ND	120	101	51	24	116	47	68	102	44	121	172	94	11
74	*Gorilla*	1	ND	ND	ND	ND	ND	121	113	53	24	121	51	76	106	42	127	192	103	10
75	*Gorilla*	2	73	30	36	124	145	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
76	*Gorilla*	2	68	28	30	123	143	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
77	*Gorilla*	2	75	28	33	120	147	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
78	*Gorilla*	2	75	29	42	130	158	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
79	*Gorilla*	2	71	29	32	133	142	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
80	*Gorilla*	2	68	32	34	129	146	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
81	*Gorilla*	2	72	28	29	124	141	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
82	*Gorilla*	2	77	32	30	134	152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
83	*Gorilla*	2	76	32	39	130	151	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84	*Gorilla*	2	80	26	27	127	143	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85	*Gorilla*	2	79	30	32	123	146	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86	*Gorilla*	2	78	33	37	136	156	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
87	*Gorilla*	2	74	33	36	130	145	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
88	*Gorilla*	2	79	31	34	120	144	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
89	*Gorilla*	2	77	31	31	120	141	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
90	*Gorilla*	2	64	35	38	133	159	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91	*Gorilla*	2	82	32	29	118	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
92	*Gorilla*	2	ND	ND	ND	ND	ND	115	116	61	22	117	46	67	100	41	120	172	97	12
93	*Gorilla*	2	ND	ND	ND	ND	ND	109	112	56	22	102	48	65	99	45	118	161	86	13
94	*Gorilla*	2	ND	ND	ND	ND	ND	112	108	62	26	109	47	68	101	40	120	168	93	8
95	*Gorilla*	2	ND	ND	ND	ND	ND	113	105	54	25	102	37	55	95	37	120	160	90	11
96	*Gorilla*	2	ND	ND	ND	ND	ND	120	110	61	24	96	44	59	86	32	129	187	97	12
97	*Gorilla*	2	ND	ND	ND	ND	ND	116	106	51	17	95	42	58	92	38	123	167	94	14
98	*Gorilla*	2	ND	ND	ND	ND	ND	112	95	54	22	100	42	57	94	36	114	161	87	16
99	*Gorilla*	2	ND	ND	ND	ND	ND	113	107	52	23	101	44	65	93	40	118	163	90	9
100	*Gorilla*	2	ND	ND	ND	ND	ND	116	106	48	20	93	43	61	91	39	115	162	89	5
101	*Gorilla*	2	ND	ND	ND	ND	ND	101	100	52	18	111	44	67	92	38	108	165	84	11
102	*Homo*	1	50	28	17	110	126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103	*Homo*	1	52	24	21	125	134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104	*Homo*	1	45	24	20	117	124	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
105	*Homo*	1	52	30	25	117	128	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106	*Homo*	1	47	28	16	113	125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
107	*Homo*	1	43	25	19	104	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108	*Homo*	1	47	28	22	125	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
109	*Homo*	1	43	30	18	116	124	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
110	*Homo*	1	51	26	18	114	126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
111	*Homo*	1	55	26	22	115	133	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
112	*Homo*	1	50	27	24	119	128	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113	*Homo*	1	57	31	24	123	139	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114	*Homo*	1	50	28	18	112	126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115	*Homo*	1	45	24	18	109	124	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116	*Homo*	1	52	26	17	105	118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117	*Homo*	1	44	29	25	114	128	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118	*Homo*	1	48	32	20	123	137	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
119	*Homo*	1	49	29	24	119	131	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
120	*Homo*	1	52	33	24	120	132	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
121	*Homo*	1	45	28	20	116	127	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
122	*Homo*	1	53	28	12	116	134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
123	*Homo*	1	52	31	22	116	134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
124	*Homo*	1	48	31	18	117	127	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	F34	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
63	*Gorilla*	1	ND	197	65	97	99	131	15	82	82	154	79	ND	ND	ND	ND	ND	ND
64	*Gorilla*	1	ND	182	75	101	112	148	20	91	71	165	58	ND	ND	ND	ND	ND	ND
65	*Gorilla*	1	73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	144	50	32	58	78	49
66	*Gorilla*	1	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	135	48	30	56	88	39
67	*Gorilla*	1	82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	156	57	34	57	90	46
68	*Gorilla*	1	48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	135	55	33	49	76	39
69	*Gorilla*	1	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	135	50	31	49	74	40
70	*Gorilla*	1	56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	124	53	28	48	63	41
71	*Gorilla*	1	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	44	28	46	63	36
72	*Gorilla*	1	52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	127	56	29	52	78	36
73	*Gorilla*	1	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	53	34	53	73	35
74	*Gorilla*	1	57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	135	50	29	50	75	41
75	*Gorilla*	2	ND	149	65	101	97	104	17	75	63	135	53	ND	ND	ND	ND	ND	ND
76	*Gorilla*	2	ND	156	73	99	99	114	18	80	50	136	55	ND	ND	ND	ND	ND	ND
77	*Gorilla*	2	ND	158	68	96	101	113	16	78	52	130	61	ND	ND	ND	ND	ND	ND
78	*Gorilla*	2	ND	156	66	96	103	125	17	79	56	153	55	ND	ND	ND	ND	ND	ND
79	*Gorilla*	2	ND	142	65	111	100	110	16	80	61	127	48	ND	ND	ND	ND	ND	ND
80	*Gorilla*	2	ND	164	69	105	101	120	19	80	67	138	60	ND	ND	ND	ND	ND	ND
81	*Gorilla*	2	ND	164	71	100	103	112	14	79	50	181	56	ND	ND	ND	ND	ND	ND
82	*Gorilla*	2	ND	164	68	97	101	127	14	87	48	140	60	ND	ND	ND	ND	ND	ND
83	*Gorilla*	2	ND	162	71	98	101	116	21	80	51	130	54	ND	ND	ND	ND	ND	ND
84	*Gorilla*	2	ND	152	69	103	100	109	16	83	55	125	55	ND	ND	ND	ND	ND	ND
85	*Gorilla*	2	ND	158	65	89	102	114	19	84	56	130	65	ND	ND	ND	ND	ND	ND
86	*Gorilla*	2	ND	165	69	100	108	123	13	85	66	133	55	ND	ND	ND	ND	ND	ND
87	*Gorilla*	2	ND	150	67	95	100	116	14	83	56	138	49	ND	ND	ND	ND	ND	ND
88	*Gorilla*	2	ND	152	65	91	102	115	17	79	42	131	46	ND	ND	ND	ND	ND	ND
89	*Gorilla*	2	ND	156	66	100	99	106	12	84	62	122	49	ND	ND	ND	ND	ND	ND
90	*Gorilla*	2	ND	153	74	101	98	117	13	88	72	137	46	ND	ND	ND	ND	ND	ND
91	*Gorilla*	2	ND	147	66	90	105	113	13	80	53	132	50	ND	ND	ND	ND	ND	ND
92	*Gorilla*	2	63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	129	52	29	50	69	35
93	*Gorilla*	2	64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	38	23	49	72	34
94	*Gorilla*	2	64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	122	46	27	50	80	31
95	*Gorilla*	2	57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	116	44	22	48	71	35
96	*Gorilla*	2	54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	128	52	25	51	75	36
97	*Gorilla*	2	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	50	27	48	78	34
98	*Gorilla*	2	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	106	43	26	43	67	33
99	*Gorilla*	2	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	112	50	23	47	62	37
100	*Gorilla*	2	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	122	50	22	43	61	35
101	*Gorilla*	2	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	115	45	27	49	69	32
102	*Homo*	1	ND	187	91	138	138	101	29	103	45	123	73	ND	ND	ND	ND	ND	ND
103	*Homo*	1	ND	195	101	137	128	99	26	111	48	120	78	ND	ND	ND	ND	ND	ND
104	*Homo*	1	ND	174	93	129	130	101	30	109	43	120	73	ND	ND	ND	ND	ND	ND
105	*Homo*	1	ND	201	96	136	137	93	33	113	47	120	95	ND	ND	ND	ND	ND	ND
106	*Homo*	1	ND	185	92	127	136	95	29	109	39	117	84	ND	ND	ND	ND	ND	ND
107	*Homo*	1	ND	187	81	135	128	86	24	101	47	115	84	ND	ND	ND	ND	ND	ND
108	*Homo*	1	ND	182	102	131	128	93	27	108	42	116	80	ND	ND	ND	ND	ND	ND
109	*Homo*	1	ND	186	91	133	136	98	30	101	43	118	72	ND	ND	ND	ND	ND	ND
110	*Homo*	1	ND	176	98	131	130	96	27	110	43	118	79	ND	ND	ND	ND	ND	ND
111	*Homo*	1	ND	188	95	128	139	109	35	111	35	127	74	ND	ND	ND	ND	ND	ND
112	*Homo*	1	ND	182	90	123	124	98	29	106	41	116	72	ND	ND	ND	ND	ND	ND
113	*Homo*	1	ND	191	100	141	135	110	30	109	47	125	71	ND	ND	ND	ND	ND	ND
114	*Homo*	1	ND	187	93	137	138	101	30	105	45	123	75	ND	ND	ND	ND	ND	ND
115	*Homo*	1	ND	176	90	114	128	90	23	99	39	113	69	ND	ND	ND	ND	ND	ND
116	*Homo*	1	ND	175	88	123	126	96	20	101	32	120	65	ND	ND	ND	ND	ND	ND
117	*Homo*	1	ND	186	94	137	133	101	28	110	50	120	73	ND	ND	ND	ND	ND	ND
118	*Homo*	1	ND	191	96	136	140	106	31	106	39	129	79	ND	ND	ND	ND	ND	ND
119	*Homo*	1	ND	190	105	137	135	94	34	103	41	119	83	ND	ND	ND	ND	ND	ND
120	*Homo*	1	ND	191	96	135	133	107	37	109	48	125	80	ND	ND	ND	ND	ND	ND
121	*Homo*	1	ND	189	92	134	136	99	31	106	39	122	79	ND	ND	ND	ND	ND	ND
122	*Homo*	1	ND	185	94	133	140	106	31	101	48	130	80	ND	ND	ND	ND	ND	ND
123	*Homo*	1	ND	195	92	134	143	104	28	117	41	124	74	ND	ND	ND	ND	ND	ND
124	*Homo*	1	ND	182	93	132	130	99	23	107	40	117	64	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Set	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32
63	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	ND	ND	ND	ND
64	*Gorilla*	1	ND	ND	ND	ND	ND	ND	ND	57	ND	ND	ND	ND	ND	ND	ND	ND
65	*Gorilla*	1	50	33	32	49	34	29	71	ND	91	38	5	ND	ND	ND	ND	ND
66	*Gorilla*	1	45	36	37	52	30	27	70	ND	84	30	5	ND	ND	ND	ND	ND
67	*Gorilla*	1	51	30	28	47	34	33	65	ND	91	36	3	ND	ND	ND	ND	ND
68	*Gorilla*	1	41	27	27	47	37	36	72	ND	90	35	4	ND	ND	ND	ND	ND
69	*Gorilla*	1	44	29	29	50	34	32	62	ND	92	37	3	ND	ND	ND	ND	ND
70	*Gorilla*	1	36	30	27	47	36	32	58	ND	87	28	2	84	64	66	63	94
71	*Gorilla*	1	35	25	26	43	33	29	63	ND	79	25	3	75	56	61	64	82
72	*Gorilla*	1	36	27	22	44	36	32	61	ND	83	27	3	84	59	65	69	92
73	*Gorilla*	1	34	25	25	46	34	30	61	ND	85	28	3	94	60	63	60	102
74	*Gorilla*	1	45	27	26	50	36	30	68	ND	89	32	3	80	74	60	64	87
75	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND
76	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	ND	ND	ND	ND
77	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND	ND	ND
78	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND
79	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	ND	ND
80	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	41	ND	ND	ND	ND	ND	ND	ND	ND
81	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	ND	ND
82	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND
83	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	ND	ND
84	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND	ND	ND
85	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	43	ND	ND	ND	ND	ND	ND	ND	ND
86	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	43	ND	ND	ND	ND	ND	ND	ND	ND
87	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND
88	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	41	ND	ND	ND	ND	ND	ND	ND	ND
89	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND	ND	ND
90	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND	ND	ND
91	*Gorilla*	2	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND	ND	ND
92	*Gorilla*	2	41	29	27	43	30	28	59	ND	78	30	4	79	71	60	62	85
93	*Gorilla*	2	44	27	29	50	29	27	52	ND	79	19	3	74	69	57	62	82
94	*Gorilla*	2	41	28	28	46	29	28	53	ND	77	29	3	78	75	57	69	91
95	*Gorilla*	2	36	28	27	45	29	26	57	ND	78	25	4	84	76	69	58	90
96	*Gorilla*	2	41	30	30	50	33	31	64	ND	87	31	8	89	75	63	90	105
97	*Gorilla*	2	36	28	27	46	37	34	60	ND	85	29	4	82	78	66	63	92
98	*Gorilla*	2	33	28	27	45	30	27	56	ND	79	32	3	84	72	65	59	90
99	*Gorilla*	2	32	29	27	46	33	29	55	ND	82	31	5	84	66	64	67	96
100	*Gorilla*	2	37	32	26	46	32	30	54	ND	84	29	3	81	71	62	64	96
101	*Gorilla*	2	36	27	26	45	32	28	52	ND	79	25	1	74	55	54	56	82
102	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
103	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
104	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
105	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
106	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
107	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
108	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND
109	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
110	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
111	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
112	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND
113	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
114	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
115	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
116	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
117	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
118	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
119	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
120	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
121	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
122	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
123	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
124	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	C33	C34
63	*Gorilla*	1	ND	ND
64	*Gorilla*	1	ND	ND
65	*Gorilla*	1	ND	ND
66	*Gorilla*	1	ND	ND
67	*Gorilla*	1	ND	ND
68	*Gorilla*	1	ND	71
69	*Gorilla*	1	ND	73
70	*Gorilla*	1	74	77
71	*Gorilla*	1	82	70
72	*Gorilla*	1	85	73
73	*Gorilla*	1	77	75
74	*Gorilla*	1	ND	79
75	*Gorilla*	2	ND	ND
76	*Gorilla*	2	ND	ND
77	*Gorilla*	2	ND	ND
78	*Gorilla*	2	ND	ND
79	*Gorilla*	2	ND	ND
80	*Gorilla*	2	ND	ND
81	*Gorilla*	2	ND	ND
82	*Gorilla*	2	ND	ND
83	*Gorilla*	2	ND	ND
84	*Gorilla*	2	ND	ND
85	*Gorilla*	2	ND	ND
86	*Gorilla*	2	ND	ND
87	*Gorilla*	2	ND	ND
88	*Gorilla*	2	ND	ND
89	*Gorilla*	2	ND	ND
90	*Gorilla*	2	ND	ND
91	*Gorilla*	2	ND	ND
92	*Gorilla*	2	75	65
93	*Gorilla*	2	70	64
94	*Gorilla*	2	72	65
95	*Gorilla*	2	68	78
96	*Gorilla*	2	106	80
97	*Gorilla*	2	76	67
98	*Gorilla*	2	70	70
99	*Gorilla*	2	78	73
100	*Gorilla*	2	78	68
101	*Gorilla*	2	68	64
102	*Homo*	1	ND	ND
103	*Homo*	1	ND	ND
104	*Homo*	1	ND	ND
105	*Homo*	1	ND	ND
106	*Homo*	1	ND	ND
107	*Homo*	1	ND	ND
108	*Homo*	1	ND	ND
109	*Homo*	1	ND	ND
110	*Homo*	1	ND	ND
111	*Homo*	1	ND	ND
112	*Homo*	1	ND	ND
113	*Homo*	1	ND	ND
114	*Homo*	1	ND	ND
115	*Homo*	1	ND	ND
116	*Homo*	1	ND	ND
117	*Homo*	1	ND	ND
118	*Homo*	1	ND	ND
119	*Homo*	1	ND	ND
120	*Homo*	1	ND	ND
121	*Homo*	1	ND	ND
122	*Homo*	1	ND	ND
123	*Homo*	1	ND	ND
124	*Homo*	1	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Set	Source	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
125	*Homo*	1	Wood (1975)	8 8	9.7	8.2	8.0	10.8	8.2	10.1	11.1	7.4	11.1	7.0	13.0
126	*Homo*	1	Wood (1975)	7.0	7.9	7.1	7.0	9.0	8.1	8.7	9.4	6.4	9.7	6.6	11.3
127	*Homo*	1	Wood (1975)	6.9	7.9	6.3	6.4	8.0	7.1	7.0	9.5	7.0	9.4	6.5	11.0
128	*Homo*	1	Wood (1975)	7.5	10.3	7.1	8.3	10.0	8.3	11.1	10.5	7.7	10.5	7.4	11.7
129	*Homo*	1	Wood (1975)	7.8	9.4	7.3	7.2	9.5	6.6	9.8	10.2	7.7	10.3	7.2	12.0
130	*Homo*	1	Wood (1975)	7.0	9.0	6.4	6.5	7.6	7.7	10.0	8.9	8.3	8.8	7.0	11.5
131	*Homo*	1	Wood (1975)	7.2	8.9	6.5	6.2	9.2	8.3	9.0	9.7	6.9	10.0	7.0	12.2
132	*Homo*	1	Wood (1975)	7.2	9.3	6.8	7.0	9.3	8.1	9.8	10.0	7.3	10.1	7.1	12.3
133	*Homo*	1	Wood (1975)	6.9	9.2	6.7	7.6	8.6	7.6	8.8	9.3	7.2	9.4	6.7	11.6
134	*Homo*	1	Wood (1975)	7.9	9.1	7.0	6.0	9.2	8.3	10.0	10.6	7.2	9.8	6.8	12.4
135	*Homo*	1	Wood (1975)	7.6	8.5	6.8	7.0	9.2	7.7	8.3	9.9	7.1	9.3	6.1	11.1
136	*Homo*	1	Wood (1975)	8.0	10.2	7.0	7.3	9.1	8.5	8.6	10.0	7.1	9.0	6.7	11.7
137	*Homo*	1	Wood (1975)	7.0	8.7	6.5	7.1	8.2	7.5	8.6	9.4	7.0	9.4	6.6	11.8
138	*Homo*	1	Wood (1975)	7.6	9.5	6.3	7.4	8.7	7.5	9.3	9.0	6.2	9.5	6.5	11.6
139	*Homo*	1	Wood (1975)	8.2	9.8	7.6	8.2	9.8	8.5	12.0	10.6	7.9	10.8	7.1	12.4
140	*Homo*	1	Wood (1975)	7.8	10.0	7.4	8.5	10.4	8.4	11.5	11.0	7.5	10.7	6.8	12.6
141	*Homo*	1	Wood (1975)	7.3	8.1	6.9	6.5	8.0	7.6	9.9	9.2	7.4	9.2	6.6	10.7
142	*Homo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
143	*Homo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
144	*Homo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
145	*Homo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
146	*Homo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
147	*Homo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
148	*Homo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
149	*Homo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
150	*Homo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
151	*Homo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
152	*Homo*	2	Wood (1975)	7.0	8 6	6.2	7.0	8.0	7.5	8.3	8.6	7.7	9.0	6.7	11.2
153	*Homo*	2	Wood (1975)	6.5	7.3	6.8	6.6	8.2	8.2	8.5	10.3	7.1	10.0	6.9	12.0
154	*Homo*	2	Wood (1975)	7.0	8.5	5.8	7.2	8.0	7.1	9.0	9.2	6.7	9.4	6.2	11.4
155	*Homo*	2	Wood (1975)	7.8	8.5	6.0	6.4	7.3	7.7	9.0	6.8	6.7	9.2	6.4	11.4
156	*Homo*	2	Wood (1975)	6 0	7.0	5.8	8.0	7.0	7.0	9.1	8.7	6.4	8.5	6.4	10.3
157	*Homo*	2	Wood (1975)	7.3	8 6	6.4	6.5	8.7	7.2	11.0	9.0	7.1	9.7	6.0	11.9
158	*Homo*	2	Wood (1975)	6.5	8.2	6.1	6.7	7.7	7.5	8.7	8.8	7.0	6.7	9.0	11.4
159	*Homo*	2	Wood (1975)	7.0	8 0	6.6	6.4	8.0	7.2	8.4	8.7	6.5	8.7	6.3	11.0
160	*Homo*	2	Wood (1975)	6.5	9.3	6.5	7.5	8.0	8.7	8.5	8.7	7.0	8.6	6.3	9.6
161	*Homo*	2	Wood (1975)	7.0	7.4	6.6	6.4	8.0	7.3	8.4	9.8	7.0	9.4	6.5	11.4
162	*Homo*	2	Wood (1975)	6.7	7.5	6.0	6.2	7.6	6.0	9.2	8.6	6.1	8.6	6.1	10.0
163	*Homo*	2	Wood (1975)	7.7	7.5	7.0	7.5	8.5	7.2	10.5	9.8	6.6	10.4	6.7	12.0
164	*Homo*	2	Wood (1975)	7.5	8.2	7.0	7.0	8.5	7.8	10.0	9.0	6.5	10.0	7.0	12.0
165	*Homo*	2	Wood (1975)	6 8	8.0	6.0	6.2	7.2	6.9	9.0	8.1	6.5	8.0	6.0	10.4
166	*Homo*	2	Wood (1975)	7.2	8.2	7.0	7.0	8.7	7.0	8.7	10.0	6.7	9.6	6.2	11.7
167	*Homo*	2	Wood (1975)	7.0	10.0	6.5	7.0	8.0	7.9	7.6	10.0	7.7	10.1	6.8	11.2
168	*Homo*	2	Wood (1975)	6 6	8.7	6.3	6.4	7.3	7.0	9.4	8.4	6.0	9.0	6.1	10.5
169	*Homo*	2	Wood (1975)	6.9	9.1	6.0	6.5	7.5	7.4	9.6	9.2	7.0	9.1	6.2	11.9
170	*Homo*	2	Wood (1975)	6.4	8.0	5.6	6.7	7.5	7.2	8.7	8.8	6.9	9.0	6.6	11.0
171	*Homo*	2	Wood (1975)	7.0	8.4	6.6	7.0	8.4	7.0	10.0	9.7	7.2	10.0	7.0	10.8
172	*Homo*	2	Wood (1975)	7.0	7.6	6.5	6.5	8.1	7.0	8.1	9.3	6.3	9.4	6.5	11.4
173	*Homo*	2	Wood (1975)	7.1	9.4	6.8	7.5	8.3	7.2	8.7	9.4	6.9	9.0	6.3	11.3
174	*Homo*	2	Wood (1975)	7.0	8.3	6.4	6.3	9.0	7.8	11.7	10.6	7.5	11.0	7.5	12.8
175	*Homo*	2	Wood (1975)	6.9	7.5	7.2	6.3	7.5	6.5	8.0	9.0	7.1	9.2	7.2	10.3
176	*Homo*	2	Wood (1975)	7.5	8.6	6.3	7.0	8.0	7.1	10.0	9.4	7.2	9.3	7.0	11.3
177	*Homo*	2	Wood (1975)	7.1	8.7	7.4	7.3	8.2	7.5	8.2	9.3	6.5	9.3	6.3	11.2
178	*Homo*	2	Wood (1975)	7.0	8.3	6.3	6.0	7.5	7.0	9.1	9.2	6.6	9.0	6.5	10.7
179	*Homo*	2	Wood (1975)	7.0	8.5	6.0	6.3	7.1	7.2	9.0	9.3	7.0	9.2	6.5	11.2
180	*Homo*	2	Wood (1975)	7.2	8.0	6.7	6.7	8.0	7.5	7.5	9.6	6.5	9.5	6.2	11.6
181	*Homo*	2	Wood (1975)	7.0	8.1	6.4	7.1	7.8	7.0	8.1	9.0	7.2	9.0	6.3	10.7
182	*Homo*	2	Wood (1975)	6 8	7.3	6.2	6.4	8.2	6.5	8.9	8.9	6.9	9.0	6.1	11.0
183	*Homo*	2	Wood (1975)	6 8	7.8	6.2	6.9	7.8	8.0	8.0	9.5	7.3	9.7	7.0	12.0
184	*Homo*	2	Wood (1975)	7.6	8.9	6.3	6.3	8.2	6.6	9.0	9.4	7.0	9.6	6.9	12.0
185	*Homo*	2	Wood (1975)	7.2	8.3	6.5	6.7	8.1	7.0	9.3	8.8	6.8	9.1	6.4	11.3
186	*Homo*	2	Wood (1975)	7.2	7.2	6 6	5.8	9.5	8 0	9.5	9.0	7.0	9.3	7.1	11.2

Appendix 1 - Dataset A

Specimen	Genus	Sex	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28	P29
125	*Homo*	1	11.8	14.0	11.8	13.0	10.0	68	27	59	38	17	58	ND	ND	ND	ND	ND	ND
126	*Homo*	1	9.2	11.2	9.0	11.6	8.6	64	27	54	39	11	51	ND	ND	ND	ND	ND	ND
127	*Homo*	1	9.8	11.9	10.2	11.9	9.0	60	25	46	36	13	47	ND	ND	ND	ND	ND	ND
128	*Homo*	1	11.0	13.1	10.7	12.4	9.8	67	27	55	40	12	55	ND	ND	ND	ND	ND	ND
129	*Homo*	1	10.4	12.2	10.1	12.2	9.0	64	25	57	40	13	57	ND	ND	ND	ND	ND	ND
130	*Homo*	1	10.7	11.7	10.4	11.0	8.9	62	27	53	36	11	53	ND	ND	ND	ND	ND	ND
131	*Homo*	1	10.7	13.0	10.2	12.8	9.7	66	21	53	37	11	50	ND	ND	ND	ND	ND	ND
132	*Homo*	1	11.0	12.4	11.1	12.0	9.4	67	25	51	36	6	54	ND	ND	ND	ND	ND	ND
133	*Homo*	1	10.4	12.1	10.1	11.4	9.0	63	26	57	36	9	54	ND	ND	ND	ND	ND	ND
134	*Homo*	1	10.4	12.6	10.8	13.0	9.3	69	24	53	39	16	54	ND	ND	ND	ND	ND	ND
135	*Homo*	1	10.4	11.2	9.0	11.4	9.0	67	30	57	37	12	55	ND	ND	ND	ND	ND	ND
136	*Homo*	1	10.6	11.6	10.0	11.2	8.8	63	27	56	41	12	56	ND	ND	ND	ND	ND	ND
137	*Homo*	1	10.6	12.0	8.3	11.5	9.3	65	29	56	39	13	52	ND	ND	ND	ND	ND	ND
138	*Homo*	1	11.0	11.2	10.2	10.2	8.6	65	28	48	41	10	49	ND	ND	ND	ND	ND	ND
139	*Homo*	1	12.3	13.0	11.0	13.2	9.8	65	26	54	38	12	54	ND	ND	ND	ND	ND	ND
140	*Homo*	1	11.0	12.8	9.5	12.4	9.1	63	26	52	38	11	50	ND	ND	ND	ND	ND	ND
141	*Homo*	1	10.0	10.9	10.0	9.1	7.6	62	26	46	39	11	48	ND	ND	ND	ND	ND	ND
142	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	38	6	15	9	15
143	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	38	8	11	8	14
144	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65	40	10	13	10	17
145	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65	43	10	12	9	15
146	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	39	14	19	9	15
147	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	42	12	18	8	14
148	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	43	9	14	9	15
149	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	39	9	10	7	13
150	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66	42	9	12	9	16
151	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	44	7	12	9	17
152	*Homo*	2	10.9	11.6	8.8	11.2	9.2	65	25	50	33	14	49	ND	ND	ND	ND	ND	ND
153	*Homo*	2	9.4	11.6	9.8	11.2	8.0	60	24	53	36	11	48	ND	ND	ND	ND	ND	ND
154	*Homo*	2	9.0	11.7	9.5	12.1	9.0	62	25	52	32	14	51	ND	ND	ND	ND	ND	ND
155	*Homo*	2	10.0	10.6	10.0	10.4	7.8	54	25	50	33	9	51	ND	ND	ND	ND	ND	ND
156	*Homo*	2	10.7	10.6	9.4	10.4	6.0	56	25	49	33	8	48	ND	ND	ND	ND	ND	ND
157	*Homo*	2	11.2	12.1	10.4	11.4	8.7	59	23	48	33	9	49	ND	ND	ND	ND	ND	ND
158	*Homo*	2	10.2	11.4	10.3	10.8	8.8	58	25	53	34	12	52	ND	ND	ND	ND	ND	ND
159	*Homo*	2	10.6	12.2	9.3	11.3	8.7	57	22	48	35	14	50	ND	ND	ND	ND	ND	ND
160	*Homo*	2	9.0	10.6	9.6	10.4	8.0	64	29	55	39	16	51	ND	ND	ND	ND	ND	ND
161	*Homo*	2	10.0	11.0	10.0	10.2	9.3	62	21	50	32	16	49	ND	ND	ND	ND	ND	ND
162	*Homo*	2	8.0	10.3	8.5	10.0	8.3	62	24	48	40	10	47	ND	ND	ND	ND	ND	ND
163	*Homo*	2	10.0	11.7	9.0	11.3	8.7	65	22	48	39	13	48	ND	ND	ND	ND	ND	ND
164	*Homo*	2	10.1	12.0	10.5	11.6	10.1	63	24	47	36	9	49	ND	ND	ND	ND	ND	ND
165	*Homo*	2	10.3	11.0	9.5	9.1	7.7	59	26	56	39	10	51	ND	ND	ND	ND	ND	ND
166	*Homo*	2	10.4	11.6	10.4	11.6	9.0	59	21	50	33	12	48	ND	ND	ND	ND	ND	ND
167	*Homo*	2	11.1	11.7	10.4	11.0	9.2	60	25	51	34	13	51	ND	ND	ND	ND	ND	ND
168	*Homo*	2	10.0	11.0	10.0	10.5	9.5	57	22	48	33	10	46	ND	ND	ND	ND	ND	ND
169	*Homo*	2	11.0	12.7	11.4	10.5	8.7	61	27	56	37	11	52	ND	ND	ND	ND	ND	ND
170	*Homo*	2	9.6	11.1	9.0	10.2	8.1	63	24	46	39	16	45	ND	ND	ND	ND	ND	ND
171	*Homo*	2	10.2	11.0	10.6	11.5	9.8	64	24	51	36	11	51	ND	ND	ND	ND	ND	ND
172	*Homo*	2	9.4	11.8	9.2	10.5	8.3	59	24	49	33	14	48	ND	ND	ND	ND	ND	ND
173	*Homo*	2	9.4	11.4	9.7	11.0	9.0	62	24	49	37	7	50	ND	ND	ND	ND	ND	ND
174	*Homo*	2	11.0	14.0	11.3	12.6	10.0	67	25	53	36	12	52	ND	ND	ND	ND	ND	ND
175	*Homo*	2	9.2	10.8	9.5	10.4	8.0	59	27	49	37	12	51	ND	ND	ND	ND	ND	ND
176	*Homo*	2	11.0	11.5	10.0	11.2	9.6	61	24	46	37	12	50	ND	ND	ND	ND	ND	ND
177	*Homo*	2	10.7	11.1	9.7	11.4	9.5	65	25	49	38	10	48	ND	ND	ND	ND	ND	ND
178	*Homo*	2	10.0	10.9	8.5	10.5	8.0	60	24	52	38	11	49	ND	ND	ND	ND	ND	ND
179	*Homo*	2	10.1	12.2	11.0	11.0	8.2	63	32	54	40	11	54	ND	ND	ND	ND	ND	ND
180	*Homo*	2	9.8	11.6	9.4	10.4	7.7	56	24	48	32	11	48	ND	ND	ND	ND	ND	ND
181	*Homo*	2	9.9	10.7	10.4	10.8	8.6	62	25	51	40	7	50	ND	ND	ND	ND	ND	ND
182	*Homo*	2	10.0	11.2	9.5	10.6	8.7	59	21	50	36	11	50	ND	ND	ND	ND	ND	ND
183	*Homo*	2	11.4	11.6	10.0	11.1	9.1	67	27	56	40	19	53	ND	ND	ND	ND	ND	ND
184	*Homo*	2	10.8	12.0	10.7	11.0	9.0	64	23	50	35	12	52	ND	ND	ND	ND	ND	ND
185	*Homo*	2	10.0	11.0	9.0	10.6	7.8	57	25	47	34	13	50	ND	ND	ND	ND	ND	ND
186	*Homo*	2	9.7	12.0	9.4	10.8	9.4	62	25	52	37	12	49	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	P30	P31	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
125	*Homo*	1	ND	ND	7.4	6.0	7.5	6.5	9.9	8.0	12.0	10.5	9.3	10.3	8.5	12.2	12.0	12.8
126	*Homo*	1	ND	ND	5.7	5.0	7.0	6.0	8.4	7.6	7.9	7.6	6.7	8.1	7.3	10.1	10.5	10.0
127	*Homo*	1	ND	ND	5.4	5.1	6.0	5.0	7.9	6.8	8.8	8.3	6.9	8.7	6.3	10.1	10.3	10.6
128	*Homo*	1	ND	ND	6.8	6.0	7.0	6.9	9.0	8.0	12.3	8.9	7.4	9.0	7.6	10.2	10.8	11.3
129	*Homo*	1	ND	ND	6.2	5.3	6.7	6.6	8.7	7.2	11.3	8.6	7.6	9.0	7.5	10.5	11.5	10.6
130	*Homo*	1	ND	ND	5.5	4.8	6.1	6.3	7.4	6.4	10.2	7.3	7.4	8.4	7.1	11.0	11.3	10.6
131	*Homo*	1	ND	ND	5.5	5.6	6.3	5.8	8.3	7.2	9.2	8.0	7.5	8.5	7.7	11.0	11.5	11.2
132	*Homo*	1	ND	ND	6.0	6.0	6.1	6.7	8.2	7.5	11.1	8.9	8.0	9.4	7.5	11.1	11.5	11.5
133	*Homo*	1	ND	ND	5.7	5.7	6.0	6.2	7.7	7.5	11.3	7.7	7.8	8.8	7.0	10.6	11.8	10.8
134	*Homo*	1	ND	ND	6.0	5.0	6.6	6.5	8.3	7.4	10.7	8.3	8.1	9.0	6.7	10.9	11.3	11.0
135	*Homo*	1	ND	ND	6.0	4.5	6.8	5.0	8.8	7.1	8.5	8.2	6.7	8.5	6.7	10.5	11.1	10.2
136	*Homo*	1	ND	ND	6.4	6.0	6.7	7.3	8.2	8.3	11.7	8.7	7.2	8.8	7.5	11.4	12.5	10.7
137	*Homo*	1	ND	ND	6.3	5.2	6.6	6.3	8.9	7.0	10.0	8.1	6.9	8.5	7.1	10.4	11.3	10.6
138	*Homo*	1	ND	ND	5.8	5.3	6.1	6.7	7.7	7.5	9.7	8.0	7.0	8.6	7.2	10.6	11.7	10.0
139	*Homo*	1	ND	ND	6.3	6.5	6.8	6.5	8.8	8.0	11.8	9.4	8.1	10.1	8.0	11.7	12.2	11.7
140	*Homo*	1	ND	ND	6.5	5.7	7.0	6.6	9.2	7.8	12.2	8.8	7.6	9.5	7.3	11.6	11.2	11.3
141	*Homo*	1	ND	ND	5.8	5.9	6.3	6.0	7.6	7.1	11.4	8.0	7.5	8.6	7.2	10.4	10.4	10.3
142	*Homo*	1	14	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
143	*Homo*	1	13	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
144	*Homo*	1	14	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
145	*Homo*	1	14	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
146	*Homo*	1	15	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
147	*Homo*	1	13	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
148	*Homo*	1	14	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
149	*Homo*	1	12	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
150	*Homo*	1	14	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
151	*Homo*	1	15	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
152	*Homo*	2	ND	ND	5.6	5.0	6.0	6.0	7.0	6.4	8.3	7.5	6.9	8.1	6.5	10.2	11.5	10.0
153	*Homo*	2	ND	ND	5.6	5.3	6.0	5.5	7.4	7.0	9.8	7.5	7.2	8.0	6.8	9.3	10.0	10.3
154	*Homo*	2	ND	ND	6.0	5.0	6.0	5.3	7.3	6.3	9.6	7.8	6.3	8.5	6.9	10.4	11.3	10.4
155	*Homo*	2	ND	ND	5.0	5.2	5.6	5.7	5.5	6.8	9.4	7.3	6.9	7.3	6.2	10.8	11.1	10.0
156	*Homo*	2	ND	ND	4.8	5.4	5.3	5.1	6.3	6.7	9.4	7.0	7.0	7.7	7.0	9.4	10.1	9.6
157	*Homo*	2	ND	ND	6.0	5.4	6.4	6.0	6.7	7.0	10.4	7.5	7.8	9.2	7.0	11.0	10.8	10.4
158	*Homo*	2	ND	ND	5.5	5.1	6.0	6.0	7.0	7.0	9.1	7.1	6.9	8.0	6.6	10.3	11.4	10.3
159	*Homo*	2	ND	ND	6.0	4.4	6.2	5.6	7.6	6.3	9.3	8.0	6.3	8.2	7.3	10.3	11.7	10.0
160	*Homo*	2	ND	ND	5.6	5.8	6.0	6.1	7.0	6.3	9.0	7.5	7.0	7.8	6.7	9.6	9.6	9.6
161	*Homo*	2	ND	ND	5.6	4.5	6.0	5.2	7.0	6.3	8.4	7.9	6.7	8.6	6.7	10.2	10.7	10.0
162	*Homo*	2	ND	ND	5.4	4.6	6.0	5.0	7.0	5.8	9.4	7.1	6.1	8.1	6.7	9.8	10.0	9.3
163	*Homo*	2	ND	ND	6.0	5.2	6.0	7.0	7.8	7.3	10.4	8.0	7.3	9.0	7.4	11.0	11.0	10.5
164	*Homo*	2	ND	ND	6.2	5.2	6.5	6.2	8.0	7.5	10.5	7.8	6.8	8.4	7.4	10.4	11.5	10.6
165	*Homo*	2	ND	ND	5.8	6.0	5.9	5.3	7.0	6.2	8.8	7.0	6.5	7.9	6.5	9.7	10.7	9.5
166	*Homo*	2	ND	ND	6.0	5.4	6.0	6.3	7.4	6.5	9.0	8.3	7.1	8.2	7.0	10.3	10.5	10.4
167	*Homo*	2	ND	ND	5.8	5.8	5.9	5.9	7.0	6.5	9.0	7.8	7.3	8.5	7.5	11.2	10.5	11.1
168	*Homo*	2	ND	ND	5.1	4.2	5.6	5.8	7.0	6.0	9.6	7.4	7.0	7.4	6.0	10.0	11.0	10.0
169	*Homo*	2	ND	ND	5.7	5.0	6.2	6.2	7.4	7.5	10.5	7.8	7.5	8.7	7.8	11.0	11.8	10.5
170	*Homo*	2	ND	ND	5.2	5.8	5.6	6.4	6.8	7.0	9.0	7.5	7.3	7.8	6.4	10.2	10.1	10.0
171	*Homo*	2	ND	ND	5.6	5.3	6.1	5.7	7.5	6.3	8.6	8.1	7.6	8.3	7.4	10.7	11.0	10.2
172	*Homo*	2	ND	ND	5.2	5.2	6.0	5.5	7.0	6.0	9.4	7.3	6.8	7.7	6.7	10.4	10.0	10.0
173	*Homo*	2	ND	ND	5.5	5.8	6.0	6.4	7.5	6.8	9.7	7.8	7.0	8.1	7.0	10.8	11.5	10.3
174	*Homo*	2	ND	ND	6.0	5.5	6.8	6.3	8.2	7.7	13.0	8.7	7.5	9.6	7.5	11.5	12.0	11.5
175	*Homo*	2	ND	ND	5.8	5.1	6.0	5.1	7.0	6.1	9.3	7.3	6.8	7.7	7.0	9.5	10.0	9.7
176	*Homo*	2	ND	ND	5.7	5.5	6.1	5.7	7.1	6.7	10.9	8.4	8.0	9.0	7.5	11.0	11.5	10.7
177	*Homo*	2	ND	ND	6.2	5.0	6.0	6.3	7.3	7.4	9.0	7.5	7.0	8.2	7.0	10.5	11.5	10.3
178	*Homo*	2	ND	ND	5.4	5.4	5.5	5.6	7.0	6.4	9.8	7.5	7.0	7.7	7.1	10.3	11.0	10.0
179	*Homo*	2	ND	ND	5.6	5.3	6.1	6.0	7.0	7.0	9.3	8.4	7.3	8.0	7.0	10.7	10.5	10.8
180	*Homo*	2	ND	ND	5.8	4.9	6.2	5.6	7.5	6.9	9.1	8.4	7.0	8.4	6.8	10.3	10.6	10.4
181	*Homo*	2	ND	ND	5.6	5.0	5.7	5.7	6.6	6.8	7.8	7.3	7.4	8.0	7.0	10.2	11.0	9.5
182	*Homo*	2	ND	ND	5.3	5.0	6.1	5.5	7.8	6.6	10.0	7.4	7.0	8.5	7.0	10.0	10.5	10.0
183	*Homo*	2	ND	ND	5.3	5.3	6.1	6.9	7.2	7.6	9.8	8.0	7.5	7.1	7.4	11.1	12.1	10.5
184	*Homo*	2	ND	ND	6.1	5.0	6.7	5.8	7.6	5.8	10.4	8.0	7.6	8.6	7.0	11.0	11.1	10.8
185	*Homo*	2	ND	ND	5.3	5.0	6.1	5.5	7.1	6.5	9.1	7.7	6.9	7.8	6.1	10.4	10.4	9.7
186	*Homo*	2	ND	ND	7.3	8.0	8.0	7.2	8.8	7.3	10.2	8.5	7.0	8.8	7.2	10.2	11.7	10.5

Appendix 1 - Dataset A

Specimen	Genus	Sex	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27	M28	M29
125	*Homo*	1	12.8	12.1	13.0	6.6	53	124	62	110	23	11	36	99	32	15	38
126	*Homo*	1	9.8	9.8	10.5	5.8	58	113	56	94	22	8	37	97	27	12	34
127	*Homo*	1	10.7	10.2	11.2	6.0	48	110	49	94	20	8	32	86	27	12	33
128	*Homo*	1	11.2	11.3	12.4	6.7	52	123	54	97	22	8	37	106	31	15	40
129	*Homo*	1	10.4	10.6	11.4	7.0	45	126	55	96	22	9	35	105	30	13	38
130	*Homo*	1	11.2	10.3	10.5	6.0	51	112	57	95	21	10	37	101	30	16	35
131	*Homo*	1	11.0	11.1	11.7	6.5	56	115	61	91	18	9	38	89	31	13	34
132	*Homo*	1	12.0	10.7	10.5	6.0	50	109	58	93	19	8	38	104	31	12	37
133	*Homo*	1	11.1	10.6	10.7	6.6	57	116	65	101	21	10	42	98	30	15	38
134	*Homo*	1	10.8	11.2	12.2	5.7	55	123	63	94	22	8	40	102	34	13	42
135	*Homo*	1	10.3	10.1	11.0	6.2	61	119	59	96	21	9	40	103	31	15	38
136	*Homo*	1	11.8	10.2	10.5	6.3	57	119	61	92	22	7	38	97	29	13	35
137	*Homo*	1	11.0	9.6	10.0	5.7	51	117	56	99	21	8	37	96	32	14	35
138	*Homo*	1	10.4	9.7	10.9	6.3	52	120	54	96	23	8	38	99	29	13	32
139	*Homo*	1	11.7	12.1	12.6	6.8	48	125	59	102	20	8	38	112	30	13	32
140	*Homo*	1	11.2	10.4	10.6	6.8	42	119	49	96	21	9	35	93	25	13	31
141	*Homo*	1	10.3	9.8	10.0	7.0	46	108	52	89	18	7	37	88	26	14	33
142	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
143	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
144	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
145	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
146	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
147	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
148	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
149	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
150	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
151	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
152	*Homo*	2	10.0	9.7	10.2	6.0	54	113	58	94	18	9	33	83	32	14	38
153	*Homo*	2	10.1	10.0	10.4	5.7	41	109	52	93	16	7	30	86	31	11	35
154	*Homo*	2	11.0	10.6	10.6	5.7	40	107	45	91	18	8	31	87	30	11	37
155	*Homo*	2	10.0	10.0	9.6	4.9	42	106	53	93	20	7	33	90	26	15	30
156	*Homo*	2	9.7	10.0	10.7	6.5	44	103	48	89	20	8	35	85	27	14	31
157	*Homo*	2	10.3	10.7	10.5	6.8	40	104	49	90	17	8	32	86	30	12	34
158	*Homo*	2	11.0	11.2	10.0	6.1	44	107	53	89	18	9	32	88	27	12	30
159	*Homo*	2	11.0	9.4	10.5	6.0	34	111	48	92	17	8	35	82	30	10	33
160	*Homo*	2	9.6	9.5	10.2	6.0	50	117	56	96	19	8	35	85	27	11	34
161	*Homo*	2	11.1	9.4	10.8	6.0	49	102	53	83	19	7	31	86	30	13	32
162	*Homo*	2	9.5	9.4	10.4	6.0	43	113	55	92	19	8	36	86	27	13	28
163	*Homo*	2	11.0	10.5	11.3	6.1	45	108	52	93	17	8	32	84	25	13	32
164	*Homo*	2	10.5	11.0	12.4	6.5	43	103	48	88	18	8	33	82	26	15	32
165	*Homo*	2	10.0	8.1	8.7	5.9	44	104	53	92	18	10	35	88	28	15	35
166	*Homo*	2	11.1	10.0	10.5	6.0	40	112	46	89	18	9	31	80	33	13	38
167	*Homo*	2	10.4	11.1	9.9	5.5	43	103	57	92	19	7	34	97	28	13	34
168	*Homo*	2	10.3	10.0	11.5	6.6	47	107	50	87	18	7	34	80	26	12	30
169	*Homo*	2	11.5	9.9	10.0	5.3	50	117	53	94	22	8	36	99	31	14	35
170	*Homo*	2	9.3	10.0	10.9	6.0	37	110	50	95	16	7	32	90	28	11	32
171	*Homo*	2	10.7	10.7	11.9	6.5	45	106	52	86	18	10	37	92	31	13	36
172	*Homo*	2	9.9	9.7	10.0	5.6	36	113	50	88	21	7	36	95	30	14	34
173	*Homo*	2	10.8	10.0	11.0	5.6	45	113	52	89	19	9	38	102	26	15	31
174	*Homo*	2	11.5	11.0	12.0	7.0	52	108	63	94	19	9	38	95	36	15	40
175	*Homo*	2	10.5	9.0	9.4	5.4	38	104	48	87	17	8	30	87	25	12	35
176	*Homo*	2	12.0	10.5	11.7	6.0	43	99	51	85	14	7	34	88	25	10	29
177	*Homo*	2	11.1	11.3	11.3	5.1	41	108	44	86	20	8	31	86	24	12	30
178	*Homo*	2	10.7	9.7	9.7	5.4	45	108	57	90	18	9	34	87	29	13	34
179	*Homo*	2	10.7	11.1	11.0	6.8	46	100	54	96	16	11	41	89	31	14	35
180	*Homo*	2	10.0	10.0	10.2	5.5	55	110	58	94	19	7	31	94	27	13	32
181	*Homo*	2	10.6	9.6	10.7	6.0	47	107	52	97	20	9	36	82	26	15	30
182	*Homo*	2	10.5	9.6	10.0	5.8	50	108	53	86	17	8	35	86	25	10	32
183	*Homo*	2	10.6	10.3	11.3	6.0	46	115	57	91	20	8	36	85	28	13	35
184	*Homo*	2	10.3	9.5	9.8	6.0	47	114	56	96	19	9	33	86	27	14	31
185	*Homo*	2	9.5	9.7	10.4	5.5	34	108	45	92	19	8	28	84	26	14	34
186	*Homo*	2	10.6	10.7	11.4	5.1	55	119	59	97	22	9	37	90	31	15	37

Appendix 1 - Dataset A

Specimen	Genus	Sex	M30	M31	M32	M33	M34	M35	M36	M37	M38	M39	M40	F1	F2	F3	F4	F5
125	*Homo*	1	15	47	116	17	ND	ND	ND	ND	ND	ND	ND	37	32	34	105	20
126	*Homo*	1	12	47	108	17	ND	ND	ND	ND	ND	ND	ND	37	37	28	102	23
127	*Homo*	1	13	49	108	18	ND	ND	ND	ND	ND	ND	ND	36	34	28	97	24
128	*Homo*	1	15	47	107	18	ND	ND	ND	ND	ND	ND	ND	38	34	29	104	21
129	*Homo*	1	15	48	113	18	ND	ND	ND	ND	ND	ND	ND	37	35	26	97	19
130	*Homo*	1	15	49	113	19	ND	ND	ND	ND	ND	ND	ND	37	31	28	97	23
131	*Homo*	1	15	46	120	20	ND	ND	ND	ND	ND	ND	ND	35	34	32	100	20
132	*Homo*	1	14	45	103	20	ND	ND	ND	ND	ND	ND	ND	38	33	27	99	19
133	*Homo*	1	14	47	115	17	ND	ND	ND	ND	ND	ND	ND	36	37	29	98	27
134	*Homo*	1	14	47	116	19	ND	ND	ND	ND	ND	ND	ND	41	33	30	105	26
135	*Homo*	1	15	45	111	19	ND	ND	ND	ND	ND	ND	ND	36	31	29	101	17
136	*Homo*	1	17	51	108	18	ND	ND	ND	ND	ND	ND	ND	36	32	25	93	20
137	*Homo*	1	16	50	110	18	ND	ND	ND	ND	ND	ND	ND	38	34	30	102	22
138	*Homo*	1	14	49	104	18	ND	ND	ND	ND	ND	ND	ND	36	33	30	101	23
139	*Homo*	1	15	53	115	21	ND	ND	ND	ND	ND	ND	ND	37	33	30	103	21
140	*Homo*	1	13	50	111	17	ND	ND	ND	ND	ND	ND	ND	39	36	32	104	22
141	*Homo*	1	16	47	106	17	ND	ND	ND	ND	ND	ND	ND	35	30	26	94	17
142	*Homo*	1	ND	ND	ND	ND	25	14	12	51	9	16	35	ND	ND	ND	ND	ND
143	*Homo*	1	ND	ND	ND	ND	28	18	14	45	10	16	34	ND	ND	ND	ND	ND
144	*Homo*	1	ND	ND	ND	ND	27	17	14	40	10	14	35	ND	ND	ND	ND	ND
145	*Homo*	1	ND	ND	ND	ND	26	17	15	47	10	14	34	ND	ND	ND	ND	ND
146	*Homo*	1	ND	ND	ND	ND	27	16	16	40	9	14	36	ND	ND	ND	ND	ND
147	*Homo*	1	ND	ND	ND	ND	27	16	14	42	10	13	32	ND	ND	ND	ND	ND
148	*Homo*	1	ND	ND	ND	ND	27	15	14	50	10	14	35	ND	ND	ND	ND	ND
149	*Homo*	1	ND	ND	ND	ND	23	13	13	42	8	12	31	ND	ND	ND	ND	ND
150	*Homo*	1	ND	ND	ND	ND	25	14	15	49	11	13	35	ND	ND	ND	ND	ND
151	*Homo*	1	ND	ND	ND	ND	26	15	12	47	11	16	34	ND	ND	ND	ND	ND
152	*Homo*	2	15	43	106	16	ND	ND	ND	ND	ND	ND	ND	37	34	26	97	25
153	*Homo*	2	11	52	108	18	ND	ND	ND	ND	ND	ND	ND	33	31	28	94	20
154	*Homo*	2	13	38	110	17	ND	ND	ND	ND	ND	ND	ND	35	31	25	92	18
155	*Homo*	2	14	48	103	19	ND	ND	ND	ND	ND	ND	ND	35	34	24	93	21
156	*Homo*	2	14	44	110	18	ND	ND	ND	ND	ND	ND	ND	34	28	24	92	18
157	*Homo*	2	12	45	106	19	ND	ND	ND	ND	ND	ND	ND	34	34	25	90	23
158	*Homo*	2	12	46	102	19	ND	ND	ND	ND	ND	ND	ND	36	36	23	91	18
159	*Homo*	2	12	49	102	17	ND	ND	ND	ND	ND	ND	ND	36	33	27	98	24
160	*Homo*	2	14	47	105	19	ND	ND	ND	ND	ND	ND	ND	36	36	31	103	22
161	*Homo*	2	14	38	100	15	ND	ND	ND	ND	ND	ND	ND	35	30	26	93	20
162	*Homo*	2	13	45	99	16	ND	ND	ND	ND	ND	ND	ND	35	39	30	95	26
163	*Homo*	2	13	46	102	19	ND	ND	ND	ND	ND	ND	ND	37	35	28	100	20
164	*Homo*	2	15	46	106	18	ND	ND	ND	ND	ND	ND	ND	35	29	25	89	19
165	*Homo*	2	13	45	109	22	ND	ND	ND	ND	ND	ND	ND	37	33	23	92	20
166	*Homo*	2	13	47	106	17	ND	ND	ND	ND	ND	ND	ND	33	38	24	87	27
167	*Homo*	2	15	47	106	17	ND	ND	ND	ND	ND	ND	ND	35	32	27	95	21
168	*Homo*	2	13	44	100	17	ND	ND	ND	ND	ND	ND	ND	36	36	27	95	21
169	*Homo*	2	14	48	109	22	ND	ND	ND	ND	ND	ND	ND	36	32	29	98	19
170	*Homo*	2	13	53	103	19	ND	ND	ND	ND	ND	ND	ND	36	35	29	97	25
171	*Homo*	2	16	45	113	23	ND	ND	ND	ND	ND	ND	ND	34	33	27	95	20
172	*Homo*	2	15	44	111	18	ND	ND	ND	ND	ND	ND	ND	35	32	27	94	24
173	*Homo*	2	15	49	105	17	ND	ND	ND	ND	ND	ND	ND	35	33	25	95	22
174	*Homo*	2	14	45	117	21	ND	ND	ND	ND	ND	ND	ND	35	35	28	94	25
175	*Homo*	2	12	43	100	19	ND	ND	ND	ND	ND	ND	ND	34	34	27	92	30
176	*Homo*	2	12	50	102	19	ND	ND	ND	ND	ND	ND	ND	36	34	28	94	23
177	*Homo*	2	14	46	96	18	ND	ND	ND	ND	ND	ND	ND	34	28	28	95	20
178	*Homo*	2	12	47	104	21	ND	ND	ND	ND	ND	ND	ND	35	32	24	92	20
179	*Homo*	2	18	44	108	20	ND	ND	ND	ND	ND	ND	ND	36	34	28	97	19
180	*Homo*	2	12	48	98	17	ND	ND	ND	ND	ND	ND	ND	39	36	23	95	21
181	*Homo*	2	16	48	100	17	ND	ND	ND	ND	ND	ND	ND	36	31	23	92	22
182	*Homo*	2	12	44	107	15	ND	ND	ND	ND	ND	ND	ND	37	35	23	96	23
183	*Homo*	2	13	45	109	19	ND	ND	ND	ND	ND	ND	ND	35	37	27	97	25
184	*Homo*	2	15	43	105	18	ND	ND	ND	ND	ND	ND	ND	35	34	27	95	23
185	*Homo*	2	14	46	98	19	ND	ND	ND	ND	ND	ND	ND	34	35	29	93	25
186	*Homo*	2	17	47	109	18	ND	ND	ND	ND	ND	ND	ND	37	35	26	99	22

Appendix 1 - Dataset A

Specimen	Genus	Set	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23
125	*Homo*	1	51	29	19	120	136	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
126	*Homo*	1	54	27	16	123	132	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
127	*Homo*	1	49	25	20	113	124	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
128	*Homo*	1	45	31	24	121	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
129	*Homo*	1	50	25	24	119	131	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
130	*Homo*	1	50	27	29	116	127	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
131	*Homo*	1	50	27	23	116	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
132	*Homo*	1	47	30	21	116	128	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
133	*Homo*	1	55	24	22	114	135	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
134	*Homo*	1	50	27	30	122	136	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
135	*Homo*	1	47	28	21	120	132	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
136	*Homo*	1	47	29	24	110	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
137	*Homo*	1	48	28	21	117	131	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
138	*Homo*	1	50	31	18	116	129	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
139	*Homo*	1	48	25	21	123	141	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
140	*Homo*	1	49	26	20	120	132	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
141	*Homo*	1	46	26	17	109	121	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
142	*Homo*	1	ND	ND	ND	ND	ND	104	87	48	16	69	29	36	59	24	113	116	72	20
143	*Homo*	1	ND	ND	ND	ND	ND	118	91	58	20	74	31	43	67	25	122	123	78	18
144	*Homo*	1	ND	ND	ND	ND	ND	114	101	68	18	72	30	39	67	22	118	125	73	18
145	*Homo*	1	ND	ND	ND	ND	ND	106	96	57	17	68	34	40	66	25	113	121	73	15
146	*Homo*	1	ND	ND	ND	ND	ND	104	90	59	17	76	37	47	73	27	120	128	76	21
147	*Homo*	1	ND	ND	ND	ND	ND	107	94	55	18	73	37	42	66	24	111	119	71	17
148	*Homo*	1	ND	ND	ND	ND	ND	113	94	60	17	70	35	43	69	22	120	125	72	17
149	*Homo*	1	ND	ND	ND	ND	ND	98	90	57	18	62	27	36	59	24	116	110	69	17
150	*Homo*	1	ND	ND	ND	ND	ND	111	96	60	18	59	28	35	64	22	120	122	76	19
151	*Homo*	1	ND	ND	ND	ND	ND	109	93	68	18	71	32	40	65	23	117	121	75	20
152	*Homo*	2	47	28	25	109	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
153	*Homo*	2	42	23	26	109	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
154	*Homo*	2	44	26	24	103	117	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
155	*Homo*	2	43	24	22	102	113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
156	*Homo*	2	42	25	16	108	117	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
157	*Homo*	2	46	24	23	108	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
158	*Homo*	2	43	23	17	106	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
159	*Homo*	2	46	32	22	107	118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
160	*Homo*	2	50	26	19	117	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
161	*Homo*	2	40	25	23	106	112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
162	*Homo*	2	50	27	16	111	123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
163	*Homo*	2	43	28	20	110	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
164	*Homo*	2	43	24	16	106	117	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165	*Homo*	2	44	25	23	109	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
166	*Homo*	2	53	24	21	105	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
167	*Homo*	2	43	26	25	109	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
168	*Homo*	2	46	26	18	106	115	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
169	*Homo*	2	43	27	25	114	125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
170	*Homo*	2	47	27	25	114	121	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
171	*Homo*	2	44	25	28	112	121	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
172	*Homo*	2	48	28	24	110	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
173	*Homo*	2	42	27	22	115	123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
174	*Homo*	2	55	25	23	110	124	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
175	*Homo*	2	50	26	18	104	115	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
176	*Homo*	2	48	27	19	108	121	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
177	*Homo*	2	40	25	19	109	116	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
178	*Homo*	2	46	26	22	106	116	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
179	*Homo*	2	50	29	24	115	126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
180	*Homo*	2	46	30	18	113	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
181	*Homo*	2	45	25	17	113	125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
182	*Homo*	2	45	28	21	111	123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
183	*Homo*	2	49	25	26	113	125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
184	*Homo*	2	49	26	19	113	123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
185	*Homo*	2	48	25	22	104	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
186	*Homo*	2	51	27	25	115	131	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	F24	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
125	*Homo*	1	ND	197	106	141	142	106	29	117	46	122	77	ND	ND	ND	ND	ND	ND
126	*Homo*	1	ND	200	96	135	138	98	23	110	44	119	83	ND	ND	ND	ND	ND	ND
127	*Homo*	1	ND	182	92	126	130	96	22	100	45	116	83	ND	ND	ND	ND	ND	ND
128	*Homo*	1	ND	187	98	130	135	94	29	112	39	120	86	ND	ND	ND	ND	ND	ND
129	*Homo*	1	ND	190	92	133	140	98	26	111	40	122	85	ND	ND	ND	ND	ND	ND
130	*Homo*	1	ND	194	93	133	136	104	21	102	47	124	78	ND	ND	ND	ND	ND	ND
131	*Homo*	1	ND	190	102	136	142	97	30	116	43	120	95	ND	ND	ND	ND	ND	ND
132	*Homo*	1	ND	190	94	135	126	98	24	104	42	117	79	ND	ND	ND	ND	ND	ND
133	*Homo*	1	ND	201	99	142	147	105	29	118	41	127	88	ND	ND	ND	ND	ND	ND
134	*Homo*	1	ND	186	95	131	130	102	32	103	51	129	84	ND	ND	ND	ND	ND	ND
135	*Homo*	1	ND	193	97	134	137	100	29	111	47	121	86	ND	ND	ND	ND	ND	ND
136	*Homo*	1	ND	193	88	139	136	94	28	103	48	122	84	ND	ND	ND	ND	ND	ND
137	*Homo*	1	ND	189	98	130	134	96	27	106	55	120	80	ND	ND	ND	ND	ND	ND
138	*Homo*	1	ND	182	95	131	132	100	27	107	41	122	84	ND	ND	ND	ND	ND	ND
139	*Homo*	1	ND	186	102	137	135	100	26	116	41	124	84	ND	ND	ND	ND	ND	ND
140	*Homo*	1	ND	187	99	133	128	96	28	107	43	121	85	ND	ND	ND	ND	ND	ND
141	*Homo*	1	ND	185	87	133	127	97	25	96	41	115	72	ND	ND	ND	ND	ND	ND
142	*Homo*	1	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	104	63	36	57	83	27
143	*Homo*	1	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	108	66	33	50	83	29
144	*Homo*	1	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102	57	31	53	81	29
145	*Homo*	1	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102	61	34	52	81	26
146	*Homo*	1	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	94	54	30	49	77	23
147	*Homo*	1	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	103	61	35	53	82	24
148	*Homo*	1	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	107	56	32	53	83	28
149	*Homo*	1	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96	51	30	48	74	23
150	*Homo*	1	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	59	34	55	83	22
151	*Homo*	1	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	103	59	34	52	83	25
152	*Homo*	2	ND	176	95	125	122	96	20	97	50	122	76	ND	ND	ND	ND	ND	ND
153	*Homo*	2	ND	180	95	134	132	95	21	101	50	112	71	ND	ND	ND	ND	ND	ND
154	*Homo*	2	ND	181	90	123	131	91	21	104	55	114	77	ND	ND	ND	ND	ND	ND
155	*Homo*	2	ND	176	90	132	123	88	21	98	55	111	67	ND	ND	ND	ND	ND	ND
156	*Homo*	2	ND	182	90	121	130	88	25	100	59	113	72	ND	ND	ND	ND	ND	ND
157	*Homo*	2	ND	182	83	130	128	100	23	97	49	113	76	ND	ND	ND	ND	ND	ND
158	*Homo*	2	ND	176	91	123	122	91	23	102	50	114	74	ND	ND	ND	ND	ND	ND
159	*Homo*	2	ND	179	89	129	128	96	23	106	39	113	76	ND	ND	ND	ND	ND	ND
160	*Homo*	2	ND	186	97	117	136	91	22	116	48	120	80	ND	ND	ND	ND	ND	ND
161	*Homo*	2	ND	178	87	128	125	97	23	99	41	112	77	ND	ND	ND	ND	ND	ND
162	*Homo*	2	ND	177	95	134	132	97	25	100	45	118	69	ND	ND	ND	ND	ND	ND
163	*Homo*	2	ND	173	94	121	138	93	27	110	37	107	72	ND	ND	ND	ND	ND	ND
164	*Homo*	2	ND	170	89	135	124	86	23	96	38	108	76	ND	ND	ND	ND	ND	ND
165	*Homo*	2	ND	184	83	134	124	98	24	95	45	115	75	ND	ND	ND	ND	ND	ND
166	*Homo*	2	ND	177	88	124	132	90	22	105	54	120	73	ND	ND	ND	ND	ND	ND
167	*Homo*	2	ND	174	86	130	125	95	26	95	40	113	72	ND	ND	ND	ND	ND	ND
168	*Homo*	2	ND	181	92	120	125	89	26	106	35	117	82	ND	ND	ND	ND	ND	ND
169	*Homo*	2	ND	182	95	128	132	102	21	110	37	112	71	ND	ND	ND	ND	ND	ND
170	*Homo*	2	ND	179	89	127	133	90	23	110	53	117	82	ND	ND	ND	ND	ND	ND
171	*Homo*	2	ND	181	90	131	128	98	25	98	52	117	76	ND	ND	ND	ND	ND	ND
172	*Homo*	2	ND	186	90	123	136	94	25	103	51	117	80	ND	ND	ND	ND	ND	ND
173	*Homo*	2	ND	185	97	136	128	101	28	103	38	117	85	ND	ND	ND	ND	ND	ND
174	*Homo*	2	ND	190	86	132	137	102	29	103	48	114	77	ND	ND	ND	ND	ND	ND
175	*Homo*	2	ND	170	87	123	126	100	26	99	38	117	65	ND	ND	ND	ND	ND	ND
176	*Homo*	2	ND	173	86	128	127	91	25	106	43	119	80	ND	ND	ND	ND	ND	ND
177	*Homo*	2	ND	177	90	120	126	87	24	108	34	109	74	ND	ND	ND	ND	ND	ND
178	*Homo*	2	ND	176	88	136	132	92	21	103	41	113	78	ND	ND	ND	ND	ND	ND
179	*Homo*	2	ND	189	91	135	127	101	29	98	46	113	81	ND	ND	ND	ND	ND	ND
180	*Homo*	2	ND	181	90	128	134	92	23	97	36	113	74	ND	ND	ND	ND	ND	ND
181	*Homo*	2	ND	178	90	126	132	104	22	99	49	123	77	ND	ND	ND	ND	ND	ND
182	*Homo*	2	ND	172	88	127	128	96	24	104	47	116	73	ND	ND	ND	ND	ND	ND
183	*Homo*	2	ND	187	94	121	133	96	29	105	35	112	82	ND	ND	ND	ND	ND	ND
184	*Homo*	2	ND	189	93	123	130	99	23	110	40	120	89	ND	ND	ND	ND	ND	ND
185	*Homo*	2	ND	172	93	117	132	95	24	109	37	113	75	ND	ND	ND	ND	ND	ND
186	*Homo*	2	ND	184	90	135	133	97	26	110	45	123	74	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Set	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32
125	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
126	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
127	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
128	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
129	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
130	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
131	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
132	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
133	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
134	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
135	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
136	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
137	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
138	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
139	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND	ND	ND
140	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
141	*Homo*	1	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
142	*Homo*	1	20	21	17	33	40	30	46	ND	75	24	5	118	111	98	96	137
143	*Homo*	1	21	27	24	38	35	30	49	ND	76	25	10	118	127	100	103	138
144	*Homo*	1	22	22	19	32	37	27	47	ND	74	24	10	115	113	94	95	131
145	*Homo*	1	21	20	18	31	40	33	47	ND	73	23	8	120	116	98	95	140
146	*Homo*	1	20	22	20	36	38	31	51	ND	77	22	5	123	116	96	93	143
147	*Homo*	1	21	20	17	32	36	29	43	ND	71	19	6	119	113	93	103	142
148	*Homo*	1	27	22	19	34	37	29	45	ND	78	27	7	122	115	103	111	143
149	*Homo*	1	23	19	17	33	36	27	44	ND	75	22	6	110	116	90	90	132
150	*Homo*	1	26	23	18	35	39	30	49	ND	77	26	8	114	105	90	96	131
151	*Homo*	1	22	23	19	32	37	31	48	ND	70	25	5	114	121	93	100	130
152	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
153	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
154	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
155	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
156	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
157	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND
158	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
159	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
160	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
161	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
162	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
163	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
164	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
165	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
166	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
167	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
168	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND
169	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
170	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
171	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
172	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
173	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
174	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
175	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND
176	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
177	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND
178	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
179	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND
180	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
181	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
182	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND
183	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
184	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
185	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	ND	ND
186	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	C33	C34
125	*Homo*	1	ND	ND
126	*Homo*	1	ND	ND
127	*Homo*	1	ND	ND
128	*Homo*	1	ND	ND
129	*Homo*	1	ND	ND
130	*Homo*	1	ND	ND
131	*Homo*	1	ND	ND
132	*Homo*	1	ND	ND
133	*Homo*	1	ND	ND
134	*Homo*	1	ND	ND
135	*Homo*	1	ND	ND
136	*Homo*	1	ND	ND
137	*Homo*	1	ND	ND
138	*Homo*	1	ND	ND
139	*Homo*	1	ND	ND
140	*Homo*	1	ND	ND
141	*Homo*	1	ND	ND
142	*Homo*	1	115	107
143	*Homo*	1	123	119
144	*Homo*	1	116	109
145	*Homo*	1	111	114
146	*Homo*	1	111	110
147	*Homo*	1	124	120
148	*Homo*	1	137	119
149	*Homo*	1	106	110
150	*Homo*	1	117	114
151	*Homo*	1	113	116
152	*Homo*	2	ND	ND
153	*Homo*	2	ND	ND
154	*Homo*	2	ND	ND
155	*Homo*	2	ND	ND
156	*Homo*	2	ND	ND
157	*Homo*	2	ND	ND
158	*Homo*	2	ND	ND
159	*Homo*	2	ND	ND
160	*Homo*	2	ND	ND
161	*Homo*	2	ND	ND
162	*Homo*	2	ND	ND
163	*Homo*	2	ND	ND
164	*Homo*	2	ND	ND
165	*Homo*	2	ND	ND
166	*Homo*	2	ND	ND
167	*Homo*	2	ND	ND
168	*Homo*	2	ND	ND
169	*Homo*	2	ND	ND
170	*Homo*	2	ND	ND
171	*Homo*	2	ND	ND
172	*Homo*	2	ND	ND
173	*Homo*	2	ND	ND
174	*Homo*	2	ND	ND
175	*Homo*	2	ND	ND
176	*Homo*	2	ND	ND
177	*Homo*	2	ND	ND
178	*Homo*	2	ND	ND
179	*Homo*	2	ND	ND
180	*Homo*	2	ND	ND
181	*Homo*	2	ND	ND
182	*Homo*	2	ND	ND
183	*Homo*	2	ND	ND
184	*Homo*	2	ND	ND
185	*Homo*	2	ND	ND
186	*Homo*	2	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	Source	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
187	*Homo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
188	*Homo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
189	*Homo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
190	*Homo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
191	*Homo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
192	*Homo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
193	*Homo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
194	*Homo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
195	*Homo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
196	*Homo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
197	*Pan*	1	Wood (1975)	9.0	12.0	8.2	9.0	10.8	14.3	24.3	9.6	8.1	9.4	7.0	10.0
198	*Pan*	1	Wood (1975)	9.2	12.4	9.0	8.7	10.5	13.4	17.0	11.0	8.0	10.4	8.4	11.9
199	*Pan*	1	Wood (1975)	9.4	12.4	8.6	9.3	10.9	15.7	22.4	11.0	7.4	10.2	6.8	12.0
200	*Pan*	1	Wood (1975)	10.7	10.8	9.3	8.1	15.3	16.6	22.0	11.7	7.2	10.8	7.1	11.6
201	*Pan*	1	Wood (1975)	10.0	11.8	9.0	9.5	12.5	13.6	23.5	10.1	9.7	10.5	7.7	11.5
202	*Pan*	1	Wood (1975)	10.0	12.0	9.2	8.1	12.4	14.5	18.3	10.3	8.0	10.3	8.0	11.2
203	*Pan*	1	Wood (1975)	10.0	12.0	8.6	7.8	12.2	15.3	19.3	10.0	7.0	10.4	7.3	11.4
204	*Pan*	1	Wood (1975)	9.9	10.6	9.3	9.8	12.3	16.2	17.0	11.2	9.0	11.0	8.5	12.3
205	*Pan*	1	Wood (1975)	9.3	12.0	8.8	10.4	12.0	15.8	22.0	11.2	8.0	11.0	8.3	11.5
206	*Pan*	1	Wood (1975)	10.3	12.3	8.9	8.7	11.2	13.7	22.0	11.1	7.7	10.1	7.2	11.8
207	*Pan*	1	Wood (1975)	8.5	11.8	7.3	8.0	11.7	14.2	25.4	10.2	7.4	10.0	6.4	10.7
208	*Pan*	1	Wood (1975)	9.0	11.5	8.7	8.5	12.0	14.4	23.0	11.0	9.4	10.9	8.0	11.1
209	*Pan*	1	Wood (1975)	9.3	12.0	8.2	7.9	10.5	13.8	21.4	11.0	7.8	10.4	6.9	10.6
210	*Pan*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
211	*Pan*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
212	*Pan*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
213	*Pan*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
214	*Pan*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
215	*Pan*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
216	*Pan*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
217	*Pan*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
218	*Pan*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
219	*Pan*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
220	*Pan*	2	Wood (1975)	8.5	8.8	7.8	7.0	9.0	10.0	12.6	8.3	7.8	8.4	6.6	11.0
221	*Pan*	2	Wood (1975)	9.7	12.4	8.0	9.2	10.6	12.0	14.3	10.0	8.3	10.2	8.0	11.0
222	*Pan*	2	Wood (1975)	9.4	12.0	8.0	9.1	10.0	11.8	14.4	11.0	9.8	10.5	7.0	11.0
223	*Pan*	2	Wood (1975)	8.6	11.0	7.7	8.0	9.6	12.0	6.0	10.4	7.2	10.3	7.0	12.8
224	*Pan*	2	Wood (1975)	9.8	10.3	8.3	8.6	10.3	11.7	15.4	9.5	7.1	9.4	7.4	10.8
225	*Pan*	2	Wood (1975)	9.8	10.8	8.9	9.0	9.6	11.0	12.3	9.5	6.7	9.3	7.4	11.0
226	*Pan*	2	Wood (1975)	10.1	12.6	9.3	8.9	10.4	11.6	17.0	10.2	8.0	10.0	6.7	10.9
227	*Pan*	2	Wood (1975)	9.3	11.0	8.0	8.5	9.8	10.4	14.8	9.5	7.0	9.0	6.2	10.1
228	*Pan*	2	Wood (1975)	9.8	10.0	8.8	8.0	8.9	11.0	13.6	9.8	6.2	9.0	7.3	10.8
229	*Pan*	2	Wood (1975)	10.0	11.6	9.0	9.0	9.3	11.5	10.0	10.0	8.9	9.9	8.2	11.6
230	*Pan*	2	Wood (1975)	9.0	12.0	8.4	9.0	9.3	12.7	15.0	10.0	8.6	10.0	7.0	11.2
231	*Pan*	2	Wood (1975)	9.5	12.3	8.8	8.3	9.0	11.2	16.3	11.3	8.0	11.0	7.2	11.7
232	*Pan*	2	Wood (1975)	9.4	11.6	8.5	8.5	10.0	11.4	14.1	11.0	8.0	9.5	7.6	11.2
233	*Pan*	2	Wood (1975)	8.8	11.3	8.2	7.4	8.8	11.0	14.5	8.7	7.5	8.8	6.7	10.5
234	*Pan*	2	Wood (1975)	9.7	11.6	8.4	8.7	8.5	11.5	16.2	10.1	7.3	10.5	7.4	12.0
235	*Pan*	2	Wood (1975)	10.0	12.2	9.0	8.3	10.1	12.0	16.0	10.5	8.2	9.8	7.4	11.0
236	*Pan*	2	Wood (1975)	9.4	12.1	8.9	9.0	9.4	12.4	13.0	9.7	7.1	9.8	6.4	11.2
237	*Pan*	2	Wood (1975)	9.4	12.3	8.8	9.4	9.3	10.6	15.0	9.8	7.8	9.5	7.4	10.5
238	*Pan*	2	Wood (1975)	9.5	13.0	8.4	8.7	9.1	9.3	14.3	10.7	8.3	10.7	7.7	12.4
239	*Pan*	2	Wood (1975)	8.0	10.2	7.2	7.0	9.3	10.3	10.5	9.4	7.6	10.5	7.5	11.3
240	*Pan*	2	Wood (1975)	9.8	10.8	9.0	8.1	9.0	12.2	16.5	10.4	8.0	10.1	7.2	11.6
241	*Pan*	2	Wood (1975)	9.0	12.0	8.4	9.0	9.3	11.1	14.7	10.0	7.3	9.7	7.0	11.1
242	*Pan*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
243	*Pan*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
244	*Pan*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
245	*Pan*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
246	*Pan*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
247	*Pan*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
248	*Pan*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28	P29
187	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	36	12	13	7	13
188	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	40	10	10	8	15
189	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	40	9	12	8	14
190	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66	44	5	10	9	15
191	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	39	8	11	9	13
192	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	41	9	13	7	13
193	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	40	6	14	6	13
194	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	38	9	14	11	15
195	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58	35	7	11	9	14
196	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	39	8	12	8	13
197	*Pan*	1	10.5	11.2	10.0	11.0	9.4	58	32	71	32	13	63	ND	ND	ND	ND	ND	ND
198	*Pan*	1	10.7	11.6	11.2	11.6	10.9	61	37	82	36	17	69	ND	ND	ND	ND	ND	ND
199	*Pan*	1	11.7	11.2	10.5	10.8	9.6	59	34	76	35	13	72	ND	ND	ND	ND	ND	ND
200	*Pan*	1	11.0	11.2	10.2	10.6	10.0	50	35	74	27	14	71	ND	ND	ND	ND	ND	ND
201	*Pan*	1	10.5	12.0	10.6	11.0	10.8	61	41	76	33	15	66	ND	ND	ND	ND	ND	ND
202	*Pan*	1	10.5	12.0	11.2	11.0	9.8	52	34	74	27	12	67	ND	ND	ND	ND	ND	ND
203	*Pan*	1	11.3	12.7	12.1	12.7	12.6	63	42	87	38	14	70	ND	ND	ND	ND	ND	ND
204	*Pan*	1	11.2	12.4	10.6	12.4	10.3	58	43	80	33	6	69	ND	ND	ND	ND	ND	ND
205	*Pan*	1	10.7	12.3	11.1	12.0	10.8	58	37	79	32	16	69	ND	ND	ND	ND	ND	ND
206	*Pan*	1	10.5	12.2	11.0	11.3	10.2	56	33	71	28	10	65	ND	ND	ND	ND	ND	ND
207	*Pan*	1	9.5	11.0	9.0	11.0	8.5	57	38	75	34	13	62	ND	ND	ND	ND	ND	ND
208	*Pan*	1	11.0	11.1	11.0	11.0	10.7	58	35	81	32	15	66	ND	ND	ND	ND	ND	ND
209	*Pan*	1	9.3	11.5	9.6	11.0	9.0	51	38	71	29	11	64	ND	ND	ND	ND	ND	ND
210	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	38	10	17	18	18
211	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	36	8	16	17	20
212	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58	36	5	13	14	18
213	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57	35	8	14	13	19
214	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58	34	9	16	15	18
215	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	32	6	12	15	18
216	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	37	9	17	15	19
217	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	54	33	3	12	21	19
218	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	40	9	15	17	19
219	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	38	10	16	21	21
220	*Pan*	2	9.9	11.0	10.2	10.0	9.4	58	41	73	31	10	62	ND	ND	ND	ND	ND	ND
221	*Pan*	2	10.8	11.8	12.0	11.2	10.8	53	37	73	30	14	68	ND	ND	ND	ND	ND	ND
222	*Pan*	2	10.2	11.7	10.4	11.0	9.9	55	37	79	30	14	70	ND	ND	ND	ND	ND	ND
223	*Pan*	2	11.2	12.4	10.3	11.4	10.2	52	35	72	28	9	65	ND	ND	ND	ND	ND	ND
224	*Pan*	2	10.4	10.6	10.4	10.2	9.0	54	36	76	30	9	66	ND	ND	ND	ND	ND	ND
225	*Pan*	2	9.8	10.5	9.2	10.4	9.4	58	36	70	31	11	60	ND	ND	ND	ND	ND	ND
226	*Pan*	2	9.9	11.1	10.4	10.0	10.1	55	36	75	32	11	65	ND	ND	ND	ND	ND	ND
227	*Pan*	2	10.0	10.5	9.8	10.4	9.5	48	32	64	27	14	57	ND	ND	ND	ND	ND	ND
228	*Pan*	2	10.0	10.5	10.0	10.2	9.1	56	35	73	32	10	59	ND	ND	ND	ND	ND	ND
229	*Pan*	2	10.2	12.1	10.0	11.1	10.0	58	42	75	30	12	67	ND	ND	ND	ND	ND	ND
230	*Pan*	2	9.6	11.5	10.5	10.5	9.0	58	37	68	33	13	64	ND	ND	ND	ND	ND	ND
231	*Pan*	2	10.4	12.5	11.1	11.4	9.8	58	38	69	31	11	60	ND	ND	ND	ND	ND	ND
232	*Pan*	2	10.0	11.4	10.3	11.0	10.0	58	35	68	32	17	64	ND	ND	ND	ND	ND	ND
233	*Pan*	2	10.0	10.5	11.0	10.0	10.7	55	35	74	33	14	65	ND	ND	ND	ND	ND	ND
234	*Pan*	2	10.8	13.0	11.0	11.0	10.0	55	39	67	30	9	66	ND	ND	ND	ND	ND	ND
235	*Pan*	2	10.0	11.7	10.5	10.5	10.0	55	35	67	31	12	63	ND	ND	ND	ND	ND	ND
236	*Pan*	2	10.0	11.8	11.0	11.0	10.0	57	36	74	31	13	64	ND	ND	ND	ND	ND	ND
237	*Pan*	2	10.3	11.4	10.8	10.8	10.0	57	38	73	32	12	67	ND	ND	ND	ND	ND	ND
238	*Pan*	2	10.0	12.0	10.5	11.0	8.3	57	38	68	31	13	62	ND	ND	ND	ND	ND	ND
239	*Pan*	2	10.0	10.8	9.5	10.6	8.0	56	37	68	33	12	60	ND	ND	ND	ND	ND	ND
240	*Pan*	2	10.4	12.9	10.6	12.0	10.1	56	35	72	30	12	63	ND	ND	ND	ND	ND	ND
241	*Pan*	2	10.1	12.0	10.0	11.2	9.4	59	38	68	32	12	61	ND	ND	ND	ND	ND	ND
242	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	32	6	13	13	18
243	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	35	7	13	13	18
244	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	34	6	13	15	18
245	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	37	6	14	21	18
246	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	39	9	14	15	18
247	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	39	7	13	21	20
248	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	37	7	13	18	20

Appendix 1 - Dataset A

Specimen	Genus	Sex	P30	P31	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
187	*Homo*	2	13	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
188	*Homo*	2	14	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
189	*Homo*	2	13	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
190	*Homo*	2	15	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
191	*Homo*	2	13	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
192	*Homo*	2	13	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
193	*Homo*	2	12	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
194	*Homo*	2	14	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
195	*Homo*	2	14	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
196	*Homo*	2	14	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
197	*Pan*	1	ND	ND	8.2	7.0	8.5	8.2	13.0	11.1	19.7	7.7	ND	7.7	8.0	9.4	10.3	9.7
198	*Pan*	1	ND	ND	8.3	7.8	8.7	8.1	11.9	9.4	15.1	8.0	ND	8.3	9.5	9.7	11.0	10.3
199	*Pan*	1	ND	ND	9.3	7.8	9.1	9.3	13.0	11.5	19.3	9.0	ND	8.6	7.0	10.3	11.5	10.4
200	*Pan*	1	ND	ND	8.9	7.5	9.9	7.4	15.8	13.0	19.0	11.5	ND	10.2	8.0	10.2	10.8	10.4
201	*Pan*	1	ND	ND	9.0	7.7	10.0	8.6	15.0	12.0	20.0	9.7	ND	9.0	8.8	10.2	11.5	11.1
202	*Pan*	1	ND	ND	9.2	7.8	10.0	8.2	13.7	11.3	17.1	10.2	ND	8.9	8.9	9.5	11.0	10.5
203	*Pan*	1	ND	ND	9.0	7.3	9.6	8.3	14.6	12.1	16.0	9.1	ND	8.7	8.0	10.0	11.7	11.5
204	*Pan*	1	ND	ND	9.4	8.8	9.3	10.0	14.5	12.0	14.0	10.0	10.0	9.6	8.3	10.4	11.5	11.3
205	*Pan*	1	ND	ND	9.8	8.5	9.5	9.5	14.0	12.3	19.0	9.3	10.0	10.2	8.4	10.4	11.5	11.0
206	*Pan*	1	ND	ND	9.1	7.8	10.0	8.3	13.3	11.1	17.6	11.1	8.7	9.5	7.7	10.2	11.0	10.6
207	*Pan*	1	ND	ND	7.4	7.1	8.7	8.1	12.7	10.5	20.0	9.7	7.7	8.8	7.5	9.2	10.4	9.7
208	*Pan*	1	ND	ND	8.5	7.7	9.1	7.8	13.7	11.7	18.7	12.0	8.0	9.6	8.1	9.7	11.0	10.3
209	*Pan*	1	ND	ND	7.9	7.5	8.8	7.8	12.7	10.2	18.2	11.7	7.6	8.2	7.4	9.8	10.5	10.0
210	*Pan*	1	15	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
211	*Pan*	1	16	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
212	*Pan*	1	15	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
213	*Pan*	1	14	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
214	*Pan*	1	13	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
215	*Pan*	1	15	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
216	*Pan*	1	16	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
217	*Pan*	1	14	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
218	*Pan*	1	17	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
219	*Pan*	1	16	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
220	*Pan*	2	ND	ND	8.3	5.8	8.9	6.5	10.8	8.0	11.5	6.8	ND	8.0	7.1	9.2	9.4	10.0
221	*Pan*	2	ND	ND	8.9	8.1	9.4	8.7	12.6	10.2	14.6	10.0	ND	9.2	8.0	10.0	11.5	10.7
222	*Pan*	2	ND	ND	9.0	7.8	9.2	8.4	12.3	10.0	20.4	8.3	ND	8.5	7.6	10.0	10.9	10.3
223	*Pan*	2	ND	ND	8.3	7.0	8.2	7.0	12.0	10.0	9.0	9.0	ND	9.3	7.8	10.8	11.8	10.4
224	*Pan*	2	ND	ND	8.6	7.0	9.0	7.6	11.6	9.2	16.6	7.2	ND	8.2	7.5	9.4	10.8	10.0
225	*Pan*	2	ND	ND	8.5	7.5	9.1	8.1	11.1	9.0	13.3	8.7	ND	7.9	7.0	9.3	10.2	10.2
226	*Pan*	2	ND	ND	8.9	7.7	9.6	8.8	11.4	9.8	15.6	8.5	ND	8.3	7.6	9.9	10.9	10.8
227	*Pan*	2	ND	ND	8.2	7.1	8.8	8.2	10.3	9.1	13.5	8.6	ND	8.0	8.3	8.9	10.0	9.5
228	*Pan*	2	ND	ND	8.3	6.3	8.8	7.0	11.1	8.7	12.2	8.2	ND	7.3	7.0	9.5	10.4	9.8
229	*Pan*	2	ND	ND	8.0	7.0	8.9	8.1	12.0	9.3	11.9	9.4	ND	8.4	7.6	9.3	10.7	10.1
230	*Pan*	2	ND	ND	9.0	8.1	9.0	9.0	11.8	9.9	15.3	7.7	ND	8.0	7.7	9.4	10.5	10.0
231	*Pan*	2	ND	ND	8.7	7.3	9.0	8.0	10.6	9.3	15.0	10.0	ND	9.0	8.2	10.0	11.3	11.0
232	*Pan*	2	ND	ND	9.3	8.0	9.7	8.9	11.7	9.6	15.0	9.0	ND	8.0	7.4	9.4	9.6	10.1
233	*Pan*	2	ND	ND	8.8	7.5	9.2	8.0	10.5	9.0	15.0	7.8	ND	7.5	7.0	9.0	10.6	9.3
234	*Pan*	2	ND	ND	8.7	8.0	9.0	8.3	10.7	9.9	15.2	8.2	ND	8.2	9.1	10.0	11.5	11.2
235	*Pan*	2	ND	ND	9.4	7.5	10.0	8.8	11.3	9.4	15.5	8.5	ND	8.5	7.1	9.2	10.5	10.3
236	*Pan*	2	ND	ND	9.0	7.5	10.0	7.8	11.4	8.0	12.2	7.0	ND	7.9	7.4	8.9	10.2	10.0
237	*Pan*	2	ND	ND	8.9	8.1	9.0	8.8	10.8	8.6	15.9	7.0	11.0	7.7	7.8	9.1	10.7	9.8
238	*Pan*	2	ND	ND	8.5	8.0	8.6	9.1	10.6	9.0	15.0	9.0	10.0	8.6	7.9	9.7	11.6	10.1
239	*Pan*	2	ND	ND	8.1	6.5	8.3	7.3	11.0	9.2	11.4	7.9	9.4	7.9	8.1	9.1	10.0	10.0
240	*Pan*	2	ND	ND	9.3	7.0	9.5	8.4	11.5	9.0	16.0	7.5	10.2	8.5	8.0	9.7	10.7	10.3
241	*Pan*	2	ND	ND	8.1	8.0	8.5	8.4	11.0	9.5	14.7	8.4	9.5	8.8	8.1	9.7	10.0	10.6
242	*Pan*	2	15	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
243	*Pan*	2	15	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
244	*Pan*	2	14	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
245	*Pan*	2	13	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
246	*Pan*	2	14	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
247	*Pan*	2	16	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
248	*Pan*	2	14	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27	M28	M29
187	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
188	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
189	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
190	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
191	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
192	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
193	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
194	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
195	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
196	*Homo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
197	*Pan*	1	11.4	9.3	10.7	5.7	79	107	71	88	22	11	48	69	25	14	42
198	*Pan*	1	11.1	9.7	10.8	4.7	65	108	63	91	23	10	48	86	30	15	49
199	*Pan*	1	10.7	10.0	10.8	5.0	68	111	67	89	22	10	51	90	25	18	46
200	*Pan*	1	11.0	10.0	10.4	5.4	68	104	67	84	24	10	48	87	27	16	46
201	*Pan*	1	13.0	11.2	11.6	5.8	62	119	68	94	26	9	50	99	33	16	49
202	*Pan*	1	12.2	11.0	11.9	6.0	57	113	62	85	23	11	50	95	31	16	46
203	*Pan*	1	12.2	11.4	12.5	6.3	68	118	75	98	27	12	58	94	34	18	49
204	*Pan*	1	12.0	11.5	12.0	5.6	73	121	72	97	25	11	50	97	32	16	48
205	*Pan*	1	12.8	11.1	11.6	6.2	67	111	64	88	23	10	50	91	28	16	51
206	*Pan*	1	12.0	10.8	12.0	6.3	61	105	64	87	24	12	47	80	29	14	42
207	*Pan*	1	10.5	10.1	11.0	6.0	53	110	66	96	23	9	50	95	28	13	41
208	*Pan*	1	11.3	10.2	10.7	5.4	56	107	61	87	23	10	49	92	27	14	45
209	*Pan*	1	11.0	9.5	10.2	5.6	70	104	66	89	22	12	49	87	26	13	41
210	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
211	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
212	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
213	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
214	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
215	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
216	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
217	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
218	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
219	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
220	*Pan*	2	10.3	9.9	9.7	4.7	69	106	69	85	24	10	50	90	32	17	47
221	*Pan*	2	11.6	10.0	11.4	5.6	62	103	64	86	22	10	45	90	25	15	42
222	*Pan*	2	11.0	10.0	10.9	5.8	62	102	74	91	23	13	52	79	33	14	48
223	*Pan*	2	12.0	9.7	9.8	5.6	66	110	70	98	23	12	50	80	32	17	42
224	*Pan*	2	11.2	9.7	10.0	5.0	60	107	62	81	21	10	46	79	30	13	46
225	*Pan*	2	10.9	10.0	10.2	5.1	60	105	65	88	23	12	45	75	30	14	42
226	*Pan*	2	11.1	10.3	11.1	5.0	55	105	65	95	22	9	46	82	26	15	45
227	*Pan*	2	10.1	9.5	9.8	5.2	48	97	58	81	20	12	41	76	29	14	42
228	*Pan*	2	10.1	9.9	9.9	5.4	63	105	68	84	25	14	47	78	28	13	39
229	*Pan*	2	11.6	9.9	11.3	5.4	62	108	63	90	24	14	47	90	29	15	45
230	*Pan*	2	10.3	9.5	10.1	5.3	64	102	65	88	21	13	47	80	26	13	41
231	*Pan*	2	11.3	10.6	10.7	5.5	55	107	68	94	22	11	45	79	27	17	44
232	*Pan*	2	11.0	10.0	10.0	5.1	67	100	67	88	25	9	43	83	29	14	38
233	*Pan*	2	10.8	9.3	11.0	4.7	63	105	65	91	22	12	49	80	27	15	43
234	*Pan*	2	11.6	10.5	10.1	5.8	48	108	59	95	21	12	40	89	25	14	40
235	*Pan*	2	10.8	9.6	10.5	5.7	59	111	66	91	24	13	47	84	29	14	42
236	*Pan*	2	11.3	10.1	11.0	5.7	64	106	65	93	23	10	50	89	27	14	45
237	*Pan*	2	11.1	9.3	11.0	5.7	60	97	57	82	21	9	51	85	30	15	44
238	*Pan*	2	11.7	9.6	11.4	6.4	50	105	57	88	22	9	42	95	27	17	41
239	*Pan*	2	9.8	9.1	9.6	4.7	59	109	60	87	21	12	41	100	28	14	38
240	*Pan*	2	10.7	11.0	11.2	5.4	48	100	53	82	20	10	43	86	25	15	40
241	*Pan*	2	10.7	10.0	10.5	6.0	58	103	60	86	19	8	39	95	30	14	42
242	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
243	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
244	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
245	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
246	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
247	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
248	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	M30	M31	M32	M33	M34	M35	M36	M37	M38	M39	M40	F1	F2	F3	F4	F5
187	*Homo*	2	ND	ND	ND	ND	24	13	13	37	9	14	36	ND	ND	ND	ND	ND
188	*Homo*	2	ND	ND	ND	ND	28	18	16	41	8	12	33	ND	ND	ND	ND	ND
189	*Homo*	2	ND	ND	ND	ND	26	16	13	44	10	14	32	ND	ND	ND	ND	ND
190	*Homo*	2	ND	ND	ND	ND	29	12	15	49	11	14	32	ND	ND	ND	ND	ND
191	*Homo*	2	ND	ND	ND	ND	25	18	14	44	8	14	35	ND	ND	ND	ND	ND
192	*Homo*	2	ND	ND	ND	ND	22	14	11	46	8	13	32	ND	ND	ND	ND	ND
193	*Homo*	2	ND	ND	ND	ND	23	16	14	45	10	14	33	ND	ND	ND	ND	ND
194	*Homo*	2	ND	ND	ND	ND	23	14	14	44	10	14	33	ND	ND	ND	ND	ND
195	*Homo*	2	ND	ND	ND	ND	25	15	13	39	11	14	34	ND	ND	ND	ND	ND
196	*Homo*	2	ND	ND	ND	ND	21	13	12	44	10	13	32	ND	ND	ND	ND	ND
197	*Pan*	1	16	37	123	24	ND	ND	ND	ND	ND	ND	ND	36	33	22	87	30
198	*Pan*	1	19	38	138	24	ND	ND	ND	ND	ND	ND	ND	35	34	23	88	35
199	*Pan*	1	16	38	131	25	ND	ND	ND	ND	ND	ND	ND	35	36	24	90	35
200	*Pan*	1	19	35	129	25	ND	ND	ND	ND	ND	ND	ND	35	30	23	89	29
201	*Pan*	1	16	35	126	31	ND	ND	ND	ND	ND	ND	ND	36	37	18	90	37
202	*Pan*	1	19	37	135	27	ND	ND	ND	ND	ND	ND	ND	33	30	25	89	38
203	*Pan*	1	18	39	145	30	ND	ND	ND	ND	ND	ND	ND	40	38	25	102	41
204	*Pan*	1	20	37	136	29	ND	ND	ND	ND	ND	ND	ND	36	35	31	101	40
205	*Pan*	1	21	35	137	27	ND	ND	ND	ND	ND	ND	ND	32	32	27	89	40
206	*Pan*	1	17	34	131	24	ND	ND	ND	ND	ND	ND	ND	31	36	24	85	30
207	*Pan*	1	15	44	133	29	ND	ND	ND	ND	ND	ND	ND	34	38	24	91	32
208	*Pan*	1	15	36	137	27	ND	ND	ND	ND	ND	ND	ND	32	36	30	91	34
209	*Pan*	1	18	36	127	26	ND	ND	ND	ND	ND	ND	ND	32	33	23	88	33
210	*Pan*	1	ND	ND	ND	ND	30	9	14	35	14	17	32	ND	ND	ND	ND	ND
211	*Pan*	1	ND	ND	ND	ND	28	9	14	37	17	16	37	ND	ND	ND	ND	ND
212	*Pan*	1	ND	ND	ND	ND	26	9	14	37	13	16	34	ND	ND	ND	ND	ND
213	*Pan*	1	ND	ND	ND	ND	26	9	13	36	15	18	32	ND	ND	ND	ND	ND
214	*Pan*	1	ND	ND	ND	ND	26	8	12	35	13	10	32	ND	ND	ND	ND	ND
215	*Pan*	1	ND	ND	ND	ND	25	8	14	32	14	17	31	ND	ND	ND	ND	ND
216	*Pan*	1	ND	ND	ND	ND	30	10	14	35	15	19	36	ND	ND	ND	ND	ND
217	*Pan*	1	ND	ND	ND	ND	30	8	14	34	15	15	33	ND	ND	ND	ND	ND
218	*Pan*	1	ND	ND	ND	ND	31	8	14	42	17	18	36	ND	ND	ND	ND	ND
219	*Pan*	1	ND	ND	ND	ND	31	10	13	37	17	17	33	ND	ND	ND	ND	ND
220	*Pan*	2	17	36	124	30	ND	ND	ND	ND	ND	ND	ND	38	32	23	92	31
221	*Pan*	2	16	45	129	27	ND	ND	ND	ND	ND	ND	ND	38	39	20	90	33
222	*Pan*	2	16	35	132	28	ND	ND	ND	ND	ND	ND	ND	37	33	21	90	33
223	*Pan*	2	18	38	122	27	ND	ND	ND	ND	ND	ND	ND	35	34	23	94	30
224	*Pan*	2	15	35	125	27	ND	ND	ND	ND	ND	ND	ND	31	33	21	82	32
225	*Pan*	2	16	32	129	25	ND	ND	ND	ND	ND	ND	ND	37	38	21	88	36
226	*Pan*	2	16	37	127	25	ND	ND	ND	ND	ND	ND	ND	36	35	24	84	32
227	*Pan*	2	17	35	120	27	ND	ND	ND	ND	ND	ND	ND	31	32	14	76	27
228	*Pan*	2	16	36	126	22	ND	ND	ND	ND	ND	ND	ND	35	31	20	84	31
229	*Pan*	2	15	36	125	32	ND	ND	ND	ND	ND	ND	ND	35	34	28	94	30
230	*Pan*	2	17	41	133	28	ND	ND	ND	ND	ND	ND	ND	37	36	23	89	33
231	*Pan*	2	17	35	127	30	ND	ND	ND	ND	ND	ND	ND	34	35	19	87	26
232	*Pan*	2	16	37	122	27	ND	ND	ND	ND	ND	ND	ND	33	34	21	83	26
233	*Pan*	2	19	38	125	24	ND	ND	ND	ND	ND	ND	ND	33	32	23	86	30
234	*Pan*	2	18	45	120	26	ND	ND	ND	ND	ND	ND	ND	33	35	22	88	33
235	*Pan*	2	16	38	122	25	ND	ND	ND	ND	ND	ND	ND	34	33	20	85	31
236	*Pan*	2	16	32	131	28	ND	ND	ND	ND	ND	ND	ND	31	35	21	84	36
237	*Pan*	2	15	34	125	30	ND	ND	ND	ND	ND	ND	ND	34	33	22	90	33
238	*Pan*	2	18	39	122	29	ND	ND	ND	ND	ND	ND	ND	31	34	19	82	32
239	*Pan*	2	15	36	119	26	ND	ND	ND	ND	ND	ND	ND	37	43	21	94	39
240	*Pan*	2	15	37	123	25	ND	ND	ND	ND	ND	ND	ND	32	36	17	82	36
241	*Pan*	2	16	36	120	27	ND	ND	ND	ND	ND	ND	ND	32	34	22	88	32
242	*Pan*	2	ND	ND	ND	ND	26	11	12	34	15	17	33	ND	ND	ND	ND	ND
243	*Pan*	2	ND	ND	ND	ND	26	10	12	35	14	18	34	ND	ND	ND	ND	ND
244	*Pan*	2	ND	ND	ND	ND	24	6	13	35	14	16	33	ND	ND	ND	ND	ND
245	*Pan*	2	ND	ND	ND	ND	29	13	17	39	14	17	32	ND	ND	ND	ND	ND
246	*Pan*	2	ND	ND	ND	ND	28	9	13	40	14	18	33	ND	ND	ND	ND	ND
247	*Pan*	2	ND	ND	ND	ND	26	8	13	39	15	20	33	ND	ND	ND	ND	ND
248	*Pan*	2	ND	ND	ND	ND	28	9	12	35	15	18	34	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23
187	*Homo*	2	ND	ND	ND	ND	ND	101	95	54	17	63	30	39	60	27	105	112	63	14
188	*Homo*	2	ND	ND	ND	ND	ND	118	99	65	13	72	35	44	69	25	118	125	79	16
189	*Homo*	2	ND	ND	ND	ND	ND	104	87	48	18	64	29	35	62	22	102	113	70	12
190	*Homo*	2	ND	ND	ND	ND	ND	115	96	63	18	73	28	41	67	21	120	126	71	23
191	*Homo*	2	ND	ND	ND	ND	ND	112	97	63	14	69	29	40	65	23	114	121	72	18
192	*Homo*	2	ND	ND	ND	ND	ND	103	88	51	14	64	35	40	65	29	110	112	73	15
193	*Homo*	2	ND	ND	ND	ND	ND	104	88	56	15	62	32	39	62	22	103	110	68	14
194	*Homo*	2	ND	ND	ND	ND	ND	102	91	53	13	68	31	37	62	25	110	121	73	13
195	*Homo*	2	ND	ND	ND	ND	ND	104	90	56	14	64	27	35	61	23	106	116	67	13
196	*Homo*	2	ND	ND	ND	ND	ND	104	91	53	15	66	31	38	64	23	108	115	69	14
197	*Pan*	1	57	26	22	107	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
198	*Pan*	1	61	27	39	118	129	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
199	*Pan*	1	57	25	34	119	134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
200	*Pan*	1	52	26	32	111	125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
201	*Pan*	1	64	37	35	113	137	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202	*Pan*	1	62	27	34	111	127	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
203	*Pan*	1	72	34	37	125	138	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
204	*Pan*	1	67	27	35	124	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205	*Pan*	1	64	26	37	118	132	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
206	*Pan*	1	60	25	24	104	121	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
207	*Pan*	1	60	28	30	114	136	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
208	*Pan*	1	62	27	36	109	131	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
209	*Pan*	1	58	26	30	107	129	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
210	*Pan*	1	ND	ND	ND	ND	ND	111	91	57	13	94	44	59	78	34	111	155	85	10
211	*Pan*	1	ND	ND	ND	ND	ND	109	91	57	16	78	34	49	76	28	104	142	77	10
212	*Pan*	1	ND	ND	ND	ND	ND	101	90	52	10	81	36	51	71	33	107	145	80	8
213	*Pan*	1	ND	ND	ND	ND	ND	107	85	55	6	80	34	51	78	29	107	141	79	9
214	*Pan*	1	ND	ND	ND	ND	ND	102	89	53	13	89	39	50	69	32	97	142	78	6
215	*Pan*	1	ND	ND	ND	ND	ND	102	84	50	9	84	36	48	72	27	100	140	77	7
216	*Pan*	1	ND	ND	ND	ND	ND	113	92	57	11	90	40	56	75	28	110	153	86	12
217	*Pan*	1	ND	ND	ND	ND	ND	105	90	58	10	79	32	44	67	30	106	143	79	13
218	*Pan*	1	ND	ND	ND	ND	ND	103	98	61	13	99	43	62	88	34	112	158	85	9
219	*Pan*	1	ND	ND	ND	ND	ND	100	87	54	ND	88	36	52	77	28	109	150	76	11
220	*Pan*	2	55	24	33	110	121	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
221	*Pan*	2	61	28	25	109	118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
222	*Pan*	2	63	22	43	107	117	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
223	*Pan*	2	55	20	34	113	128	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
224	*Pan*	2	55	24	41	100	118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
225	*Pan*	2	59	26	34	104	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
226	*Pan*	2	58	18	28	103	123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
227	*Pan*	2	49	19	34	94	111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
228	*Pan*	2	58	23	28	101	115	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
229	*Pan*	2	50	25	36	109	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
230	*Pan*	2	57	25	26	106	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
231	*Pan*	2	57	22	29	108	118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
232	*Pan*	2	54	27	27	104	118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
233	*Pan*	2	55	28	30	106	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
234	*Pan*	2	56	22	33	103	121	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
235	*Pan*	2	55	22	27	112	125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
236	*Pan*	2	63	26	28	103	126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
237	*Pan*	2	56	25	35	107	121	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
238	*Pan*	2	55	22	31	104	125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
239	*Pan*	2	63	27	26	110	123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
240	*Pan*	2	60	25	31	98	114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
241	*Pan*	2	61	25	32	101	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
242	*Pan*	2	ND	ND	ND	ND	ND	104	88	55	15	75	32	46	66	26	98	132	73	9
243	*Pan*	2	ND	ND	ND	ND	ND	95	83	54	14	86	36	50	70	28	96	136	74	9
244	*Pan*	2	ND	ND	ND	ND	ND	92	83	46	13	82	38	49	66	30	93	132	74	5
245	*Pan*	2	ND	ND	ND	ND	ND	112	91	54	14	90	34	52	76	32	104	152	81	13
246	*Pan*	2	ND	ND	ND	ND	ND	104	85	52	10	89	42	54	82	28	111	149	76	6
247	*Pan*	2	ND	ND	ND	ND	ND	96	76	46	12	84	39	49	66	23	104	147	75	7
248	*Pan*	2	ND	ND	ND	ND	ND	102	81	50	11	92	41	57	72	32	97	146	74	5

Appendix 1 - Dataset A

Specimen	Genus	Sex	F24	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
187	*Homo*	2	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	55	30	50	70	27
188	*Homo*	2	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	105	63	35	55	80	30
189	*Homo*	2	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	94	52	32	50	80	26
190	*Homo*	2	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	109	63	36	56	88	24
191	*Homo*	2	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	108	64	40	59	85	25
192	*Homo*	2	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	98	55	31	45	79	25
193	*Homo*	2	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	95	54	31	48	77	24
194	*Homo*	2	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	98	59	32	49	80	22
195	*Homo*	2	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	105	55	34	57	76	24
196	*Homo*	2	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	101	59	34	52	79	25
197	*Pan*	1	ND	129	71	90	99	95	17	88	40	119	43	ND	ND	ND	ND	ND	ND
198	*Pan*	1	ND	142	73	92	103	103	15	88	38	128	48	ND	ND	ND	ND	ND	ND
199	*Pan*	1	ND	141	71	87	99	105	19	86	41	131	44	ND	ND	ND	ND	ND	ND
200	*Pan*	1	ND	134	70	86	97	96	16	78	39	119	48	ND	ND	ND	ND	ND	ND
201	*Pan*	1	ND	139	67	80	101	101	19	83	44	128	44	ND	ND	ND	ND	ND	ND
202	*Pan*	1	ND	136	65	82	96	94	22	81	38	121	48	ND	ND	ND	ND	ND	ND
203	*Pan*	1	ND	144	76	87	102	109	20	90	49	133	43	ND	ND	ND	ND	ND	ND
204	*Pan*	1	ND	134	76	89	104	98	18	90	44	126	45	ND	ND	ND	ND	ND	ND
205	*Pan*	1	ND	132	63	94	96	103	16	81	50	125	42	ND	ND	ND	ND	ND	ND
206	*Pan*	1	ND	135	72	78	105	96	18	83	39	120	39	ND	ND	ND	ND	ND	ND
207	*Pan*	1	ND	132	73	83	100	106	19	83	43	129	41	ND	ND	ND	ND	ND	ND
208	*Pan*	1	ND	142	72	88	100	106	14	79	44	124	49	ND	ND	ND	ND	ND	ND
209	*Pan*	1	ND	135	68	84	100	100	12	82	47	115	41	ND	ND	ND	ND	ND	ND
210	*Pan*	1	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	111	43	23	44	62	27
211	*Pan*	1	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	108	42	24	44	69	28
212	*Pan*	1	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	107	43	24	43	68	27
213	*Pan*	1	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	42	24	45	60	23
214	*Pan*	1	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	103	42	26	41	66	28
215	*Pan*	1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	104	46	22	42	60	27
216	*Pan*	1	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	113	47	27	42	75	28
217	*Pan*	1	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	98	40	25	42	59	26
218	*Pan*	1	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	111	42	25	50	68	30
219	*Pan*	1	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	104	42	23	43	71	28
220	*Pan*	2	ND	132	73	87	92	98	18	83	43	109	45	ND	ND	ND	ND	ND	ND
221	*Pan*	2	ND	133	71	98	101	101	8	83	39	119	43	ND	ND	ND	ND	ND	ND
222	*Pan*	2	ND	132	70	86	94	97	19	82	42	117	41	ND	ND	ND	ND	ND	ND
223	*Pan*	2	ND	141	77	95	104	103	17	94	34	115	48	ND	ND	ND	ND	ND	ND
224	*Pan*	2	ND	128	66	85	93	96	3	78	42	108	44	ND	ND	ND	ND	ND	ND
225	*Pan*	2	ND	129	66	92	97	101	12	81	40	116	36	ND	ND	ND	ND	ND	ND
226	*Pan*	2	ND	135	74	86	100	103	17	86	38	118	42	ND	ND	ND	ND	ND	ND
227	*Pan*	2	ND	120	63	80	90	91	11	76	38	108	37	ND	ND	ND	ND	ND	ND
228	*Pan*	2	ND	130	67	88	94	95	17	81	40	108	47	ND	ND	ND	ND	ND	ND
229	*Pan*	2	ND	135	74	92	100	102	15	88	40	120	46	ND	ND	ND	ND	ND	ND
230	*Pan*	2	ND	141	74	94	98	100	18	89	44	119	41	ND	ND	ND	ND	ND	ND
231	*Pan*	2	ND	131	70	85	102	95	12	84	36	117	43	ND	ND	ND	ND	ND	ND
232	*Pan*	2	ND	133	69	90	98	105	17	80	43	116	45	ND	ND	ND	ND	ND	ND
233	*Pan*	2	ND	130	71	87	96	95	18	78	44	112	42	ND	ND	ND	ND	ND	ND
234	*Pan*	2	ND	128	72	83	100	105	18	82	42	116	38	ND	ND	ND	ND	ND	ND
235	*Pan*	2	ND	138	67	88	102	101	15	80	45	124	47	ND	ND	ND	ND	ND	ND
236	*Pan*	2	ND	139	66	80	95	106	16	78	47	119	45	ND	ND	ND	ND	ND	ND
237	*Pan*	2	ND	136	73	85	99	94	15	81	39	122	42	ND	ND	ND	ND	ND	ND
238	*Pan*	2	ND	133	71	97	100	98	16	85	46	122	41	ND	ND	ND	ND	ND	ND
239	*Pan*	2	ND	133	74	86	100	98	14	89	40	115	39	ND	ND	ND	ND	ND	ND
240	*Pan*	2	ND	135	68	92	99	97	16	82	41	116	46	ND	ND	ND	ND	ND	ND
241	*Pan*	2	ND	134	76	91	102	101	17	86	43	121	44	ND	ND	ND	ND	ND	ND
242	*Pan*	2	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	95	40	23	41	63	24
243	*Pan*	2	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102	43	26	40	62	25
244	*Pan*	2	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	104	42	23	43	61	26
245	*Pan*	2	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	103	42	26	44	64	27
246	*Pan*	2	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	108	40	21	40	64	26
247	*Pan*	2	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	107	36	20	40	67	24
248	*Pan*	2	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	106	40	24	43	60	25

Appendix 1 - Dataset A

Specimen	Genus	Sex	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32
187	*Homo*	2	22	20	16	33	34	27	41	ND	73	22	6	105	112	89	93	121
188	*Homo*	2	21	22	19	38	38	30	50	ND	82	23	9	120	121	96	93	137
189	*Homo*	2	21	18	14	33	32	26	46	ND	70	22	7	108	114	90	92	121
190	*Homo*	2	23	21	18	36	34	27	46	ND	73	25	10	109	119	92	95	127
191	*Homo*	2	21	18	17	35	37	29	48	ND	81	28	7	118	114	98	102	135
192	*Homo*	2	22	21	18	37	37	30	46	ND	75	21	7	105	108	89	99	121
193	*Homo*	2	21	18	15	31	36	29	40	ND	71	22	8	113	110	92	98	130
194	*Homo*	2	19	19	17	32	38	29	48	ND	73	22	5	112	117	97	99	127
195	*Homo*	2	26	20	15	33	36	28	44	ND	74	23	6	103	107	89	99	116
196	*Homo*	2	21	20	18	33	38	29	43	ND	76	25	6	111	102	94	102	132
197	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
198	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
199	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
200	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND
201	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	ND	ND
202	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND	ND	ND
203	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
204	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND	ND	ND
205	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND	ND	ND
206	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
207	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND
208	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
209	*Pan*	1	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND	ND	ND
210	*Pan*	1	36	26	23	40	29	24	53	ND	69	29	4	75	64	59	57	82
211	*Pan*	1	35	23	23	38	27	23	52	ND	64	28	3	80	64	67	58	87
212	*Pan*	1	35	25	23	40	27	22	53	ND	66	29	3	74	68	57	53	83
213	*Pan*	1	35	22	21	41	30	23	54	ND	75	27	4	78	69	64	55	84
214	*Pan*	1	31	27	26	40	33	23	51	ND	73	25	2	68	56	57	50	77
215	*Pan*	1	30	24	19	33	32	25	49	ND	76	25	3	72	69	59	47	79
216	*Pan*	1	35	26	20	39	34	27	55	ND	78	28	2	81	69	63	51	92
217	*Pan*	1	30	23	19	37	30	25	53	ND	72	28	2	75	65	66	51	88
218	*Pan*	1	37	22	22	42	29	24	53	ND	76	30	2	71	68	59	51	85
219	*Pan*	1	33	21	21	37	26	23	50	ND	72	27	3	78	65	63	48	94
220	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
221	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
222	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
223	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
224	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
225	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
226	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
227	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
228	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
229	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
230	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
231	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
232	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
233	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
234	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
235	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
236	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
237	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
238	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
239	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
240	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
241	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
242	*Pan*	2	30	24	20	40	25	23	44	ND	68	27	2	67	69	59	53	75
243	*Pan*	2	30	23	23	38	28	25	47	ND	71	27	2	74	58	61	52	80
244	*Pan*	2	33	22	21	39	30	29	47	ND	72	26	3	65	54	59	54	70
245	*Pan*	2	33	25	21	42	27	21	52	ND	70	24	3	71	63	65	51	79
246	*Pan*	2	36	26	24	45	26	21	51	ND	75	26	5	80	59	70	59	96
247	*Pan*	2	37	20	20	38	29	21	47	ND	75	27	7	71	60	61	57	78
248	*Pan*	2	34	21	21	37	28	22	50	ND	71	27	5	73	57	61	53	81

Appendix 1 - Dataset A

Specimen	Genus	Sex	C33	C34
187	*Homo*	2	114	110
188	*Homo*	2	102	117
189	*Homo*	2	112	111
190	*Homo*	2	114	119
191	*Homo*	2	125	111
192	*Homo*	2	118	107
193	*Homo*	2	120	107
194	*Homo*	2	120	115
195	*Homo*	2	123	109
196	*Homo*	2	120	110
197	*Pan*	1	ND	ND
198	*Pan*	1	ND	ND
199	*Pan*	1	ND	ND
200	*Pan*	1	ND	ND
201	*Pan*	1	ND	ND
202	*Pan*	1	ND	ND
203	*Pan*	1	ND	ND
204	*Pan*	1	ND	ND
205	*Pan*	1	ND	ND
206	*Pan*	1	ND	ND
207	*Pan*	1	ND	ND
208	*Pan*	1	ND	ND
209	*Pan*	1	ND	ND
210	*Pan*	1	67	66
211	*Pan*	1	69	68
212	*Pan*	1	59	58
213	*Pan*	1	64	72
214	*Pan*	1	58	58
215	*Pan*	1	57	64
216	*Pan*	1	57	66
217	*Pan*	1	60	67
218	*Pan*	1	55	67
219	*Pan*	1	56	64
220	*Pan*	2	ND	ND
221	*Pan*	2	ND	ND
222	*Pan*	2	ND	ND
223	*Pan*	2	ND	ND
224	*Pan*	2	ND	ND
225	*Pan*	2	ND	ND
226	*Pan*	2	ND	ND
227	*Pan*	2	ND	ND
228	*Pan*	2	ND	ND
229	*Pan*	2	ND	ND
230	*Pan*	2	ND	ND
231	*Pan*	2	ND	ND
232	*Pan*	2	ND	ND
233	*Pan*	2	ND	ND
234	*Pan*	2	ND	ND
235	*Pan*	2	ND	ND
236	*Pan*	2	ND	ND
237	*Pan*	2	ND	ND
238	*Pan*	2	ND	ND
239	*Pan*	2	ND	ND
240	*Pan*	2	ND	ND
241	*Pan*	2	ND	ND
242	*Pan*	2	63	65
243	*Pan*	2	59	64
244	*Pan*	2	64	58
245	*Pan*	2	58	64
246	*Pan*	2	76	66
247	*Pan*	2	68	67
248	*Pan*	2	65	61

Appendix 1 - Dataset A

Specimen	Genus	Sex	Source	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
249	*Pan*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
250	*Pan*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
251	*Pan*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
252	*Papio*	1	Wood (1975)	8.2	10.0	7.3	6.3	8.1	11.5	28.5	7.2	6.8	7.5	7.0	8.3
253	*Papio*	1	Wood (1975)	9.1	9.8	8.3	8.1	12.6	18.1	36.6	7.8	7.0	8.5	7.4	9.5
254	*Papio*	1	Wood (1975)	8.0	9.3	8.0	7.2	9.0	12.7	33.5	7.4	7.0	8.2	8.1	9.4
255	*Papio*	1	Wood (1975)	8.3	7.3	8.0	7.2	10.0	15.0	20.0	6.9	6.8	8.2	6.8	9.7
256	*Papio*	1	Wood (1975)	8.3	7.3	8.0	7.2	11.0	12.1	23.0	8.0	6.8	8.6	7.2	10.0
257	*Papio*	1	Wood (1975)	9.9	11.6	8.5	7.0	12.5	16.8	39.8	8.5	7.7	9.8	8.3	11.0
258	*Papio*	1	Wood (1975)	9.1	9.0	8.5	7.0	11.9	16.7	32.6	8.8	8.2	9.4	7.5	11.0
259	*Papio*	1	Wood (1975)	9.0	11.0	8.0	7.0	10.0	14.3	34.7	8.0	7.5	8.7	7.6	9.0
260	*Papio*	1	Wood (1975)	8.5	10.7	8.1	7.2	10.4	14.6	33.3	7.2	7.3	8.4	7.1	9.6
261	*Papio*	1	Wood (1975)	10.5	11.4	9.0	9.0	12.6	17.3	33.4	8.0	8.1	9.2	8.0	10.5
262	*Papio*	1	Wood (1975)	10.0	10.7	7.6	7.8	12.4	17.8	33.5	9.0	7.3	9.4	8.4	10.5
263	*Papio*	1	Wood (1975)	8.0	6.0	8.4	5.0	11.2	17.3	24.1	7.8	7.0	8.2	7.3	9.5
264	*Papio*	1	Wood (1975)	10.0	10.9	8.2	8.7	12.7	17.7	38.7	9.0	7.4	9.4	8.5	10.7
265	*Papio*	1	Wood (1975)	8.7	11.5	8.6	8.4	10.4	14.2	35.0	8.5	7.8	9.2	8.1	9.4
266	*Papio*	2	Wood (1975)	8.0	8.5	6.7	6.0	6.2	7.5	9.6	7.0	6.0	7.8	6.6	8.2
267	*Papio*	2	Wood (1975)	7.6	9.7	6.8	6.6	8.1	8.3	12.0	7.0	7.0	8.1	7.6	9.0
268	*Papio*	2	Wood (1975)	7.8	9.5	7.0	6.0	7.9	6.3	15.3	6.7	6.0	8.0	6.6	8.6
269	*Papio*	2	Wood (1975)	7.9	8.7	7.0	6.5	7.4	6.5	13.0	6.8	6.3	8.0	6.5	9.0
270	*Papio*	2	Wood (1975)	8.0	8.5	7.2	7.1	7.4	7.7	10.7	7.0	6.0	8.0	6.8	9.0
271	*Papio*	2	Wood (1975)	8.2	11.0	7.4	6.6	7.4	7.5	14.0	7.8	7.4	8.7	7.2	9.0
272	*Papio*	2	Wood (1975)	8.0	8.7	7.3	6.3	8.2	6.6	14.0	6.7	6.6	7.7	6.6	8.6
273	*Papio*	2	Wood (1975)	7.6	9.6	6.6	7.0	7.2	6.7	11.0	6.6	6.0	7.0	6.3	8.7
274	*Papio*	2	Wood (1975)	7.8	8.1	7.0	5.7	8.0	6.2	11.5	6.0	6.2	7.6	6.3	9.2
275	*Papio*	2	Wood (1975)	8.3	9.3	7.0	7.1	7.2	8.3	13.7	7.2	6.3	7.9	7.0	9.3
276	*Papio*	2	Wood (1975)	8.1	9.1	7.2	6.6	8.0	8.2	12.5	7.5	6.6	8.4	7.0	10.0
277	*Papio*	2	Wood (1975)	8.3	8.3	7.3	6.7	7.0	8.3	12.7	8.0	6.4	9.0	7.0	9.6
278	*Papio*	2	Wood (1975)	8.2	9.0	7.4	7.0	7.4	8.5	15.1	7.2	6.4	8.3	7.0	9.2
279	*Papio*	2	Wood (1975)	8.2	9.9	7.4	7.1	7.0	8.2	11.5	7.5	6.4	8.4	7.5	9.4
280	*Papio*	2	Wood (1975)	8.5	7.6	7.0	6.3	6.3	8.0	10.4	8.0	6.7	8.7	6.8	9.0
281	*Papio*	2	Wood (1975)	9.0	10.0	7.2	6.5	7.2	8.3	13.7	7.6	6.7	8.0	6.9	9.0
282	*Papio*	2	Wood (1975)	7.9	9.4	7.4	6.9	6.1	7.8	13.0	7.6	6.7	8.5	7.4	9.4
283	*Pongo*	1	Wood et al. (1991)	11.7	13.0	7.2	6.7	13.5	16.5	21.2	12.2	9.3	12.5	8.5	12.7
284	*Pongo*	1	Wood et al. (1991)	13.8	13.0	8.9	6.4	13.8	16.6	25.5	13.9	9.9	13.7	9.9	15.1
285	*Pongo*	1	Wood et al. (1991)	11.2	9.6	8.6	7.9	13.0	14.9	17.8	12.9	8.8	12.5	8.9	12.9
286	*Pongo*	1	Wood et al. (1991)	10.7	14.8	8.4	8.4	12.3	15.9	24.3	12.2	9.0	13.8	9.6	13.6
287	*Pongo*	1	Wood et al. (1991)	10.9	12.1	8.7	7.6	14.3	17.2	10.3	12.6	8.5	12.9	9.2	13.4
288	*Pongo*	1	Wood et al. (1991)	14.2	15.0	10.5	8.6	13.2	17.7	27.6	13.6	10.5	14.0	10.0	14.7
289	*Pongo*	1	Wood et al. (1991)	13.0	12.4	9.0	8.2	15.2	19.2	29.3	13.6	10.1	14.7	9.8	14.1
290	*Pongo*	1	Wood et al. (1991)	15.0	15.0	9.1	8.9	14.5	18.9	22.9	13.1	10.2	12.2	9.7	14.1
291	*Pongo*	1	Wood et al. (1991)	12.4	14.4	9.1	8.4	13.9	17.0	21.7	12.2	9.7	13.2	9.2	13.8
292	*Pongo*	1	Wood et al. (1991)	11.5	10.8	8.9	6.4	14.4	15.2	15.9	14.4	9.3	14.2	9.0	13.6
293	*Pongo*	1	Wood et al. (1991)	13.4	12.8	8.2	7.2	13.5	17.1	28.2	12.4	10.7	13.4	9.7	14.2
294	*Pongo*	1	Wood et al. (1991)	12.9	14.2	9.9	8.0	15.0	17.2	25.1	12.5	9.2	13.1	9.2	14.0
295	*Pongo*	1	Wood et al. (1991)	13.5	12.9	8.6	7.8	14.8	16.4	17.4	13.1	9.7	13.4	9.6	12.8
296	*Pongo*	1	Wood et al. (1991)	10.0	15.2	13.2	8.9	16.4	18.9	26.3	14.8	11.3	15.2	11.1	14.4
297	*Pongo*	1	Wood et al. (1991)	11.4	12.7	8.5	8.4	14.0	18.7	21.7	12.3	9.4	13.1	8.7	14.2
298	*Pongo*	1	Wood et al. (1991)	12.3	13.6	9.7	7.7	13.5	16.3	24.0	13.3	9.8	13.3	9.5	13.4
299	*Pongo*	1	Wood et al. (1991)	12.2	13.5	8.1	7.3	12.1	15.1	23.1	11.2	7.6	11.3	7.5	12.4
300	*Pongo*	1	Wood et al. (1991)	14.3	15.1	10.1	8.2	15.3	17.6	25.5	14.3	9.8	14.5	9.8	14.0
301	*Pongo*	1	Wood et al. (1991)	12.4	10.0	9.7	6.4	14.2	18.6	14.5	11.5	10.2	11.8	12.2	12.7
302	*Pongo*	1	Wood et al. (1991)	11.3	12.8	8.5	7.2	14.2	16.5	27.2	12.5	9.8	12.2	9.3	12.7
303	*Pongo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
304	*Pongo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
305	*Pongo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
306	*Pongo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
307	*Pongo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
308	*Pongo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
309	*Pongo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
310	*Pongo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28	P29
249	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	38	12	14	16	20
250	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	33	6	10	14	18
251	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	32	8	15	17	19
252	*Papio*	1	9.4	9.7	11.7	9.4	11.9	46	27	85	25	8	74	ND	ND	ND	ND	ND	ND
253	*Papio*	1	10.4	11.6	12.6	11.5	13.0	51	28	87	26	13	80	ND	ND	ND	ND	ND	ND
254	*Papio*	1	10.3	11.0	12.2	10.3	12.3	51	26	83	25	11	74	ND	ND	ND	ND	ND	ND
255	*Papio*	1	9.5	11.4	12.0	11.0	12.0	50	25	83	24	10	74	ND	ND	ND	ND	ND	ND
256	*Papio*	1	10.4	12.0	12.3	11.5	12.5	53	32	95	30	16	77	ND	ND	ND	ND	ND	ND
257	*Papio*	1	11.1	12.4	13.0	11.0	12.7	52	25	95	27	13	83	ND	ND	ND	ND	ND	ND
258	*Papio*	1	12.0	12.7	13.0	11.6	12.9	51	26	84	26	11	81	ND	ND	ND	ND	ND	ND
259	*Papio*	1	10.5	10.2	12.2	12.0	13.0	51	24	85	26	13	81	ND	ND	ND	ND	ND	ND
260	*Papio*	1	10.0	11.5	11.0	11.6	12.5	46	25	86	23	10	75	ND	ND	ND	ND	ND	ND
261	*Papio*	1	11.6	11.2	12.8	11.8	13.3	54	26	99	30	14	84	ND	ND	ND	ND	ND	ND
262	*Papio*	1	11.0	11.5	11.7	11.0	13.2	50	26	94	26	17	81	ND	ND	ND	ND	ND	ND
263	*Papio*	1	10.7	11.4	11.4	11.5	12.3	51	28	97	28	17	77	ND	ND	ND	ND	ND	ND
264	*Papio*	1	11.8	11.8	14.0	11.5	14.0	53	25	99	27	14	85	ND	ND	ND	ND	ND	ND
265	*Papio*	1	11.5	11.1	13.4	10.7	13.5	52	25	88	27	12	85	ND	ND	ND	ND	ND	ND
266	*Papio*	2	9.3	10.2	11.0	9.6	11.0	42	19	60	21	8	58	ND	ND	ND	ND	ND	ND
267	*Papio*	2	10.4	10.8	12.0	10.7	12.2	45	22	71	24	9	68	ND	ND	ND	ND	ND	ND
268	*Papio*	2	9.8	9.7	10.9	9.6	11.7	46	21	67	23	10	65	ND	ND	ND	ND	ND	ND
269	*Papio*	2	9.1	10.0	11.0	9.5	10.4	44	21	66	23	10	60	ND	ND	ND	ND	ND	ND
270	*Papio*	2	8.8	9.7	11.2	10.3	11.5	43	22	66	20	8	59	ND	ND	ND	ND	ND	ND
271	*Papio*	2	10.0	10.8	12.0	10.0	13.0	42	20	62	19	10	64	ND	ND	ND	ND	ND	ND
272	*Papio*	2	9.2	10.0	10.9	9.0	10.1	41	21	62	20	8	61	ND	ND	ND	ND	ND	ND
273	*Papio*	2	9.3	9.1	10.6	9.2	10.6	45	22	62	23	10	59	ND	ND	ND	ND	ND	ND
274	*Papio*	2	9.4	10.3	10.5	9.7	11.2	46	24	70	22	8	63	ND	ND	ND	ND	ND	ND
275	*Papio*	2	9.7	10.6	11.0	10.5	12.0	40	20	63	19	9	64	ND	ND	ND	ND	ND	ND
276	*Papio*	2	10.5	10.6	11.8	11.2	11.8	44	20	69	22	10	65	ND	ND	ND	ND	ND	ND
277	*Papio*	2	10.7	12.0	12.0	10.4	11.9	46	22	68	24	11	66	ND	ND	ND	ND	ND	ND
278	*Papio*	2	10.0	11.2	11.5	11.0	12.3	48	23	69	25	10	65	ND	ND	ND	ND	ND	ND
279	*Papio*	2	9.8	11.0	11.3	10.3	11.8	46	22	70	23	11	65	ND	ND	ND	ND	ND	ND
280	*Papio*	2	9.3	10.5	11.2	9.6	11.3	47	26	74	26	10	64	ND	ND	ND	ND	ND	ND
281	*Papio*	2	9.8	9.4	10.8	9.7	11.2	47	23	66	25	12	65	ND	ND	ND	ND	ND	ND
282	*Papio*	2	10.0	10.8	11.6	11.0	12.0	46	22	75	24	12	67	ND	ND	ND	ND	ND	ND
283	*Pongo*	1	12.0	14.0	11.7	13.7	10.1	61	31	81	35	12	76	ND	ND	ND	ND	ND	ND
284	*Pongo*	1	13.4	15.9	13.0	14.6	11.2	65	31	76	35	19	74	ND	ND	ND	ND	ND	ND
285	*Pongo*	1	12.3	13.4	10.4	12.9	10.9	54	40	84	25	19	75	ND	ND	ND	ND	ND	ND
286	*Pongo*	1	13.3	14.9	13.9	14.2	13.4	58	31	80	27	18	75	ND	ND	ND	ND	ND	ND
287	*Pongo*	1	12.9	13.6	13.0	12.6	10.2	61	36	85	35	17	70	ND	ND	ND	ND	ND	ND
288	*Pongo*	1	12.9	15.1	13.2	13.9	12.8	62	38	84	31	17	82	ND	ND	ND	ND	ND	ND
289	*Pongo*	1	12.6	15.5	12.7	14.7	12.5	73	39	87	39	19	84	ND	ND	ND	ND	ND	ND
290	*Pongo*	1	13.1	14.2	12.0	14.8	13.0	67	47	110	37	8	97	ND	ND	ND	ND	ND	ND
291	*Pongo*	1	12.3	14.7	12.1	14.5	11.9	63	37	81	34	13	74	ND	ND	ND	ND	ND	ND
292	*Pongo*	1	10.7	13.9	10.4	14.0	10.9	64	43	87	32	18	70	ND	ND	ND	ND	ND	ND
293	*Pongo*	1	13.9	14.5	13.2	14.0	12.3	68	46	89	36	9	82	ND	ND	ND	ND	ND	ND
294	*Pongo*	1	12.4	15.2	13.7	14.1	12.8	68	49	96	35	18	84	ND	ND	ND	ND	ND	ND
295	*Pongo*	1	11.9	14.8	12.1	13.5	11.0	67	44	112	42	17	90	ND	ND	ND	ND	ND	ND
296	*Pongo*	1	12.4	15.6	13.3	15.1	13.6	66	40	90	38	24	85	ND	ND	ND	ND	ND	ND
297	*Pongo*	1	12.8	13.9	11.4	14.1	13.3	69	47	102	40	17	83	ND	ND	ND	ND	ND	ND
298	*Pongo*	1	12.3	14.5	12.9	14.0	13.7	72	41	97	40	21	85	ND	ND	ND	ND	ND	ND
299	*Pongo*	1	12.1	13.7	12.3	13.1	11.4	65	39	92	39	19	84	ND	ND	ND	ND	ND	ND
300	*Pongo*	1	13.2	15.9	14.3	14.8	12.8	70	50	120	36	19	92	ND	ND	ND	ND	ND	ND
301	*Pongo*	1	11.8	13.8	12.8	13.1	11.5	74	45	100	45	18	81	ND	ND	ND	ND	ND	ND
302	*Pongo*	1	11.1	13.3	12.4	12.6	11.2	66	41	92	39	20	79	ND	ND	ND	ND	ND	ND
303	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	38	14	14	22	21
304	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	71	41	19	19	20	25
305	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68	39	15	16	20	22
306	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	35	12	15	18	20
307	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	40	17	15	21	20
308	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	77	45	22	18	33	25
309	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	73	43	24	19	27	24
310	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	32	13	16	16	20

Appendix 1 - Dataset A

Specimen	Genus	Sex	P30	P31	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
249	*Pan*	2	15	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
250	*Pan*	2	15	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
251	*Pan*	2	14	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
252	*Papio*	1	ND	ND	8.1	7.3	7.7	7.5	12.2	7.0	22.6	6.0	9.0	6.3	7.5	7.1	8.7	8.2
253	*Papio*	1	ND	ND	9.0	6.7	9.1	5.4	15.4	10.3	20.5	6.5	22.0	7.0	8.1	7.7	10.0	10.3
254	*Papio*	1	ND	ND	8.6	7.2	7.7	6.6	12.9	7.2	25.0	6.5	11.2	6.7	7.8	7.8	10.3	9.7
255	*Papio*	1	ND	ND	7.6	6.1	8.0	4.6	12.8	7.0	22.0	5.3	16.8	6.4	7.8	7.3	9.0	9.8
256	*Papio*	1	ND	ND	7.6	6.1	8.0	4.6	13.2	7.3	21.5	6.0	19.4	7.2	7.3	7.9	10.3	10.0
257	*Papio*	1	ND	ND	8.7	7.7	8.0	7.3	14.8	8.8	29.0	6.8	20.0	8.0	9.2	8.7	11.2	10.2
258	*Papio*	1	ND	ND	8.0	6.5	8.0	5.8	13.8	8.2	21.0	5.8	ND	7.2	8.7	9.3	10.7	10.6
259	*Papio*	1	ND	ND	8.3	7.8	8.0	5.5	13.4	7.5	26.0	6.1	19.5	7.4	8.7	7.5	10.5	9.7
260	*Papio*	1	ND	ND	8.7	7.9	8.2	6.8	14.3	8.0	25.3	7.0	ND	6.7	8.0	8.0	10.0	9.2
261	*Papio*	1	ND	ND	9.3	7.0	8.8	6.1	15.3	8.4	22.3	7.1	ND	8.0	9.0	8.3	11.1	10.1
262	*Papio*	1	ND	ND	9.0	7.2	8.5	6.0	15.0	8.5	26.8	6.4	ND	7.5	8.5	8.5	10.8	10.9
263	*Papio*	1	ND	ND	8.0	4.6	8.0	4.0	13.6	8.0	23.3	5.7	ND	5.8	8.0	8.0	9.0	9.8
264	*Papio*	1	ND	ND	9.2	7.8	8.6	7.2	15.0	9.3	25.0	7.2	ND	7.7	10.0	8.9	11.4	10.7
265	*Papio*	1	ND	ND	8.0	7.7	7.5	7.0	14.0	7.6	25.7	6.5	ND	7.5	9.1	8.5	11.3	10.6
266	*Papio*	2	ND	ND	7.4	6.7	6.6	5.8	8.4	5.0	12.3	4.7	8.1	6.3	6.7	7.4	9.5	9.0
267	*Papio*	2	ND	ND	8.0	7.0	7.2	6.9	8.4	5.0	12.0	5.2	8.8	6.8	8.0	8.0	10.0	9.7
268	*Papio*	2	ND	ND	8.4	6.7	7.2	6.4	7.8	5.0	13.3	4.7	7.5	6.6	7.0	7.7	10.0	8.8
269	*Papio*	2	ND	ND	8.1	6.2	7.0	6.1	8.0	4.9	12.2	4.9	7.8	6.0	7.7	7.2	9.0	9.4
270	*Papio*	2	ND	ND	7.5	6.3	7.5	6.3	8.0	6.0	10.2	5.3	7.3	6.6	7.0	6.8	9.0	8.3
271	*Papio*	2	ND	ND	8.5	7.7	7.4	6.7	8.7	5.0	14.0	5.8	7.0	6.5	7.7	8.5	10.0	9.5
272	*Papio*	2	ND	ND	7.6	6.7	7.0	6.5	8.2	4.5	14.3	5.1	6.2	7.2	9.0	7.0	9.3	9.0
273	*Papio*	2	ND	ND	7.4	6.3	6.6	6.0	7.3	5.0	7.5	5.4	6.2	6.4	7.2	6.7	9.0	8.3
274	*Papio*	2	ND	ND	8.6	5.3	7.7	4.6	8.0	5.2	12.4	5.0	10.0	6.0	6.8	7.2	8.4	8.6
275	*Papio*	2	ND	ND	8.0	7.3	7.2	6.5	8.0	5.2	14.3	5.3	9.5	6.6	6.6	8.2	9.6	9.8
276	*Papio*	2	ND	ND	7.5	6.0	7.0	6.3	8.1	5.0	14.0	5.0		6.7	8.0	7.5	9.6	9.4
277	*Papio*	2	ND	ND	7.6	6.1	7.0	5.5	8.6	5.4	13.4	5.2		7.0	7.5	7.7	10.0	10.0
278	*Papio*	2	ND	ND	8.0	6.4	7.0	6.0	8.2	5.6	13.8	5.3		7.0	7.4	7.4	9.5	9.5
279	*Papio*	2	ND	ND	7.7	6.5	7.5	5.7	7.7	4.8	10.8	4.8		6.2	7.7	7.3	9.8	9.3
280	*Papio*	2	ND	ND	8.0	6.2	7.1	5.2	7.5	5.0	11.0	5.0		6.4	7.3	7.1	9.5	9.0
281	*Papio*	2	ND	ND	7.1	7.2	6.3	5.6	7.8	5.0	12.0	5.0		7.0	7.3	7.1	9.6	8.9
282	*Papio*	2	ND	ND	7.3	6.3	7.4	5.3	8.3	4.5	13.7	5.0		6.7	8.2	7.6	9.8	9.5
283	*Pongo*	1	ND	ND	8.5	8.4	9.5	8.2	16.0	12.5	19.5	9.0	12.6	9.9	9.6	10.5	11.7	12.2
284	*Pongo*	1	ND	ND	9.6	8.4	10.0	7.8	14.8	11.8	22.7	10.6	13.1	11.7	10.6	12.5	13.6	13.9
285	*Pongo*	1	ND	ND	9.6	6.0	9.8	6.8	14.3	11.2	15.8	10.8	10.3	11.4	10.9	11.9	13.0	13.1
286	*Pongo*	1	ND	ND	10.2	10.0	10.3	8.7	14.0	11.6	24.8	10.8	13.0	11.1	11.2	13.0	13.8	14.4
287	*Pongo*	1	ND	ND	9.4	7.8	10.0	9.3	14.4	13.0	18.0	11.7	11.4	11.7	10.4	12.1	12.5	12.3
288	*Pongo*	1	ND	ND	11.4	9.9	11.8	9.4	16.0	12.7	23.1	11.5	14.4	11.3	11.2	13.0	13.9	13.6
289	*Pongo*	1	ND	ND	11.3	8.8	11.2	7.4	16.7	13.3	17.4	13.8	14.3	13.5	11.0	13.2	13.0	14.3
290	*Pongo*	1	ND	ND	10.9	9.6	11.2	9.4	15.0	13.3	24.4	10.9	12.8	12.2	8.8	12.3	12.9	14.3
291	*Pongo*	1	ND	ND	10.9	8.5	11.5	9.3	16.9	12.7	19.5	11.7	11.7	12.0	10.1	12.6	13.0	13.4
292	*Pongo*	1	ND	ND	8.8	7.8	10.8	8.2	14.2	12.3	18.5	11.8	13.1	11.1	10.7	11.8	11.2	12.1
293	*Pongo*	1	ND	ND	11.1	9.3	11.1	9.5	14.9	11.2	21.1	13.3	13.2	12.9	11.1	12.8	14.1	14.4
294	*Pongo*	1	ND	ND	10.5	8.4	11.4	9.1	14.9	12.1	20.0	10.1	12.3	11.2	9.9	12.0	12.4	13.3
295	*Pongo*	1	ND	ND	9.8	9.0	10.0	8.7	15.7	13.4	20.1	11.0	12.4	11.6	9.3	11.7	12.5	13.7
296	*Pongo*	1	ND	ND	10.7	9.8	11.8	10.0	18.4	14.8	18.7	13.4	12.5	12.9	11.7	13.4	14.3	13.9
297	*Pongo*	1	ND	ND	11.0	8.4	11.0	8.5	17.2	12.5	22.0	11.3	13.2	11.2	10.8	12.5	13.6	12.3
298	*Pongo*	1	ND	ND	10.8	9.2	10.2	8.3	14.4	11.5	23.6	10.7	13.3	11.0	10.8	12.0	12.6	13.3
299	*Pongo*	1	ND	ND	8.9	7.1	10.0	7.3	13.9	11.2	23.7	8.9	11.0	10.0	9.0	11.2	12.4	12.4
300	*Pongo*	1	ND	ND	10.8	9.1	12.1	10.2	16.5	14.2	24.5	11.4	13.3	11.5	11.6	12.4	13.3	14.2
301	*Pongo*	1	ND	ND	9.0	6.3	9.6	6.6	15.0	13.1	12.3	9.7	13.1	10.1	10.6	11.3	11.9	13.0
302	*Pongo*	1	ND	ND	10.0	8.8	10.4	8.8	14.9	11.7	28.7	11.7	10.3	11.5	10.3	11.3	12.1	12.2
303	*Pongo*	1	20	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
304	*Pongo*	1	20	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
305	*Pongo*	1	20	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
306	*Pongo*	1	18	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
307	*Pongo*	1	21	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
308	*Pongo*	1	20	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
309	*Pongo*	1	21	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
310	*Pongo*	1	18	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27	M28	M29
249	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
250	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
251	*Pan*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
252	*Papio*	1	11.3	8.5	16.2	7.0	38	89	53	76	17	10	40	71	28	12	43
253	*Papio*	1	12.5	10.2	16.0	6.8	46	91	60	75	16	10	43	100	36	13	54
254	*Papio*	1	12.1	10.0	14.5	8.6	44	92	55	75	17	9	43	77	35	13	53
255	*Papio*	1	11.7	10.0	14.6	6.7	42	93	53	79	17	10	41	73	32	13	50
256	*Papio*	1	12.2	10.3	15.7	7.5	46	96	62	81	20	9	44	75	35	14	50
257	*Papio*	1	13.4	10.1	16.0	9.0	49	106	65	85	20	8	46	68	37	14	54
258	*Papio*	1	12.6	9.6	15.5	6.2	59	99	68	84	19	9	44	71	32	14	42
259	*Papio*	1	12.0	9.7	15.0	7.6	47	94	60	79	16	10	43	67	35	11	45
260	*Papio*	1	12.0	9.7	16.1	7.2	39	85	55	73	17	10	43	64	32	13	49
261	*Papio*	1	13.2	10.5	16.4	8.1	45	98	58	83	19	9	40	70	35	12	49
262	*Papio*	1	12.5	10.1	16.0	7.0	57	97	67	78	20	9	42	61	35	13	50
263	*Papio*	1	10.9	10.6	14.7	2.3	58	94	69	77	16	9	44	68	36	14	47
264	*Papio*	1	14.0	10.7	18.0	8.2	65	102	67	84	20	10	49	77	35	13	49
265	*Papio*	1	13.5	10.4	17.0	7.9	45	96	57	77	18	10	40	63	32	15	49
266	*Papio*	2	11.3	8.4	13.9	5.1	37	80	45	67	15	8	28	65	26	11	32
267	*Papio*	2	12.5	9.4	15.0	6.8	52	85	58	71	16	8	34	53	30	13	38
268	*Papio*	2	11.0	8.7	15.0	7.3	44	78	51	65	13	7	33	63	26	11	38
269	*Papio*	2	10.8	9.0	13.7	6.0	50	83	56	75	16	9	35	67	27	12	37
270	*Papio*	2	10.8	8.3	14.3	6.2	43	82	55	71	15	8	34	60	27	11	38
271	*Papio*	2	12.2	9.7	16.2	8.5	44	80	51	67	15	7	32	60	23	10	35
272	*Papio*	2	11.0	8.8	13.5	7.7	45	78	48	66	14	8	34	51	25	10	36
273	*Papio*	2	11.0	7.5	13.8	5.0	44	78	48	70	15	7	30	59	24	10	34
274	*Papio*	2	10.2	8.6	14.6	5.7	47	81	52	68	16	9	33	59	26	13	36
275	*Papio*	2	11.6	9.4	14.2	7.8	38	78	45	60	14	7	31	60	22	11	31
276	*Papio*	2	11.0	9.0	14.2	6.4	43	87	55	77	16	9	31	58	28	10	38
277	*Papio*	2	10.9	9.4	14.4	6.6	45	85	53	73	15	8	34	56	29	11	39
278	*Papio*	2	11.5	9.3	15.0	6.0	48	85	57	75	16	8	34	58	27	12	36
279	*Papio*	2	11.4	9.3	14.4	6.3	40	85	51	76	15	8	32	55	28	11	39
280	*Papio*	2	11.0	9.0	14.0	6.0	46	88	52	72	17	8	35	60	30	11	38
281	*Papio*	2	11.6	8.2	14.4	5.5	49	85	55	73	16	7	36	52	29	12	35
282	*Papio*	2	11.6	9.0	15.0	6.1	45	83	52	71	14	8	32	53	28	11	37
283	*Pongo*	1	13.0	11.8	13.3	5.4	77	111	77	91	25	11	46	102	31	16	50
284	*Pongo*	1	13.8	13.5	14.1	6.4	80	111	85	92	27	11	45	96	34	20	55
285	*Pongo*	1	13.1	11.7	12.4	5.9	108	122	110	111	31	18	59	120	46	17	67
286	*Pongo*	1	14.2	13.3	15.5	7.2	79	119	81	87	27	13	52	103	37	14	56
287	*Pongo*	1	13.2	11.5	13.1	6.5	103	132	97	99	33	19	63	121	41	16	60
288	*Pongo*	1	14.9	13.3	14.3	6.5	81	120	87	98	25	12	56	110	38	16	62
289	*Pongo*	1	14.3	14.1	13.9	6.7	97	127	98	102	29	17	58	111	38	19	61
290	*Pongo*	1	13.7	15.2	16.1	7.0	97	145	100	104	33	18	80	121	50	21	85
291	*Pongo*	1	13.4	12.9	14.4	6.7	105	137	101	109	33	14	66	133	36	17	61
292	*Pongo*	1	12.0	12.2	12.7	5.4	111	141	107	103	36	14	72	122	48	17	68
293	*Pongo*	1	14.8	13.6	15.3	6.0	106	146	96	109	33	17	72	132	36	21	56
294	*Pongo*	1	14.3	12.2	13.8	6.3	113	143	109	111	38	20	72	131	40	17	62
295	*Pongo*	1	14.0	13.1	12.8	6.5	95	138	101	110	30	18	69	137	47	19	73
296	*Pongo*	1	15.0	13.8	14.0	6.4	95	145	106	108	40	17	78	135	48	19	70
297	*Pongo*	1	13.5	12.8	14.5	5.7	112	155	117	120	24	17	75	128	47	19	79
298	*Pongo*	1	14.0	12.6	13.3	5.6	103	131	112	117	28	18	69	127	43	19	72
299	*Pongo*	1	12.6	11.7	12.8	6.3	115	131	113	109	30	12	67	129	37	16	57
300	*Pongo*	1	14.5	14.1	14.8	9.1	117	151	120	114	39	19	66	157	53	19	84
301	*Pongo*	1	14.0	12.8	12.5	5.7	92	128	106	114	31	15	68	130	44	20	65
302	*Pongo*	1	13.6	11.1	13.5	6.0	94	133	102	116	29	20	64	125	40	16	66
303	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
304	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
305	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
306	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
307	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
308	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
309	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
310	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	M30	M31	M32	M33	M34	M35	M36	M37	M38	M39	M40	F1	F2	F3	F4	F5
249	*Pan*	2	ND	ND	ND	ND	26	6	15	38	15	17	35	ND	ND	ND	ND	ND
250	*Pan*	2	ND	ND	ND	ND	26	8	15	34	15	18	33	ND	ND	ND	ND	ND
251	*Pan*	2	ND	ND	ND	ND	29	8	11	34	15	18	32	ND	ND	ND	ND	ND
252	*Papio*	1	21	24	134	14	ND	ND	ND	ND	ND	ND	ND	30	20	10	68	50
253	*Papio*	1	21	23	144	17	ND	ND	ND	ND	ND	ND	ND	29	22	9	68	63
254	*Papio*	1	20	22	140	15	ND	ND	ND	ND	ND	ND	ND	32	23	8	69	62
255	*Papio*	1	23	22	132	15	ND	ND	ND	ND	ND	ND	ND	32	24	8	68	63
256	*Papio*	1	23	27	142	18	ND	ND	ND	ND	ND	ND	ND	31	24	9	68	71
257	*Papio*	1	25	26	148	14	ND	ND	ND	ND	ND	ND	ND	33	26	8	73	81
258	*Papio*	1	23	28	129	17	ND	ND	ND	ND	ND	ND	ND	32	24	10	70	69
259	*Papio*	1	23	24	138	18	ND	ND	ND	ND	ND	ND	ND	34	25	8	72	77
260	*Papio*	1	25	20	140	15	ND	ND	ND	ND	ND	ND	ND	32	24	8	70	63
261	*Papio*	1	25	28	150	15	ND	ND	ND	ND	ND	ND	ND	32	26	8	70	67
262	*Papio*	1	24	24	137	14	ND	ND	ND	ND	ND	ND	ND	32	26	8	70	75
263	*Papio*	1	25	25	145	12	ND	ND	ND	ND	ND	ND	ND	32	26	8	69	84
264	*Papio*	1	29	26	155	13	ND	ND	ND	ND	ND	ND	ND	35	26	9	75	77
265	*Papio*	1	34	26	140	16	ND	ND	ND	ND	ND	ND	ND	32	26	8	70	74
266	*Papio*	2	14	19	103	17	ND	ND	ND	ND	ND	ND	ND	27	23	8	59	46
267	*Papio*	2	14	24	114	12	ND	ND	ND	ND	ND	ND	ND	28	23	7	60	52
268	*Papio*	2	16	22	107	15	ND	ND	ND	ND	ND	ND	ND	28	22	5	61	40
269	*Papio*	2	15	20	110	15	ND	ND	ND	ND	ND	ND	ND	28	23	9	61	43
270	*Papio*	2	15	19	108	14	ND	ND	ND	ND	ND	ND	ND	29	22	6	60	46
271	*Papio*	2	15	21	105	13	ND	ND	ND	ND	ND	ND	ND	26	23	5	56	46
272	*Papio*	2	15	20	103	14	ND	ND	ND	ND	ND	ND	ND	27	20	6	56	42
273	*Papio*	2	14	22	100	14	ND	ND	ND	ND	ND	ND	ND	28	24	5	58	45
274	*Papio*	2	17	22	113	17	ND	ND	ND	ND	ND	ND	ND	26	20	6	59	49
275	*Papio*	2	15	21	101	14	ND	ND	ND	ND	ND	ND	ND	26	23	6	55	41
276	*Papio*	2	15	24	107	16	ND	ND	ND	ND	ND	ND	ND	29	24	7	62	53
277	*Papio*	2	15	25	108	16	ND	ND	ND	ND	ND	ND	ND	28	27	7	61	56
278	*Papio*	2	16	24	111	16	ND	ND	ND	ND	ND	ND	ND	29	23	5	63	54
279	*Papio*	2	16	22	111	16	ND	ND	ND	ND	ND	ND	ND	29	26	8	63	56
280	*Papio*	2	16	23	104	18	ND	ND	ND	ND	ND	ND	ND	29	22	7	62	59
281	*Papio*	2	16	23	113	16	ND	ND	ND	ND	ND	ND	ND	30	25	6	64	56
282	*Papio*	2	15	23	114	15	ND	ND	ND	ND	ND	ND	ND	29	22	6	63	52
283	*Pongo*	1	14	40	127	22	ND	ND	ND	ND	ND	ND	ND	32	36	8	72	33
284	*Pongo*	1	20	39	136	21	ND	ND	ND	ND	ND	ND	ND	31	39	9	71	35
285	*Pongo*	1	24	41	153	29	ND	ND	ND	ND	ND	ND	ND	35	42	17	84	33
286	*Pongo*	1	19	42	144	23	ND	ND	ND	ND	ND	ND	ND	35	40	11	78	29
287	*Pongo*	1	21	46	141	22	ND	ND	ND	ND	ND	ND	ND	37	41	14	84	30
288	*Pongo*	1	20	42	151	27	ND	ND	ND	ND	ND	ND	ND	35	41	8	74	39
289	*Pongo*	1	25	45	159	27	ND	ND	ND	ND	ND	ND	ND	35	35	10	77	39
290	*Pongo*	1	21	46	195	40	ND	ND	ND	ND	ND	ND	ND	37	33	17	90	43
291	*Pongo*	1	21	51	152	25	ND	ND	ND	ND	ND	ND	ND	34	40	11	78	29
292	*Pongo*	1	19	41	161	31	ND	ND	ND	ND	ND	ND	ND	34	41	15	83	49
293	*Pongo*	1	28	44	157	32	ND	ND	ND	ND	ND	ND	ND	36	36	14	85	39
294	*Pongo*	1	26	49	168	26	ND	ND	ND	ND	ND	ND	ND	35	41	16	86	42
295	*Pongo*	1	23	46	183	36	ND	ND	ND	ND	ND	ND	ND	37	35	18	91	30
296	*Pongo*	1	25	50	177	30	ND	ND	ND	ND	ND	ND	ND	34	46	13	82	40
297	*Pongo*	1	24	46	172	32	ND	ND	ND	ND	ND	ND	ND	36	42	16	84	43
298	*Pongo*	1	20	46	172	28	ND	ND	ND	ND	ND	ND	ND	37	51	10	83	41
299	*Pongo*	1	20	45	147	23	ND	ND	ND	ND	ND	ND	ND	36	43	10	82	37
300	*Pongo*	1	20	39	192	39	ND	ND	ND	ND	ND	ND	ND	35	40	19	87	39
301	*Pongo*	1	20	54	185	28	ND	ND	ND	ND	ND	ND	ND	35	44	16	86	47
302	*Pongo*	1	17	50	161	28	ND	ND	ND	ND	ND	ND	ND	36	43	17	87	56
303	*Pongo*	1	ND	ND	ND	ND	45	28	21	36	16	23	44	ND	ND	ND	ND	ND
304	*Pongo*	1	ND	ND	ND	ND	43	17	21	40	17	27	43	ND	ND	ND	ND	ND
305	*Pongo*	1	ND	ND	ND	ND	35	14	16	37	18	27	44	ND	ND	ND	ND	ND
306	*Pongo*	1	ND	ND	ND	ND	35	10	18	31	15	23	41	ND	ND	ND	ND	ND
307	*Pongo*	1	ND	ND	ND	ND	45	16	17	35	15	26	45	ND	ND	ND	ND	ND
308	*Pongo*	1	ND	ND	ND	ND	52	16	19	44	17	26	43	ND	ND	ND	ND	ND
309	*Pongo*	1	ND	ND	ND	ND	38	19	20	43	18	28	45	ND	ND	ND	ND	ND
310	*Pongo*	1	ND	ND	ND	ND	36	11	14	34	15	25	46	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23
249	*Pan*	2	ND	ND	ND	ND	ND	102	91	55	15	78	40	51	78	31	109	144	82	14
250	*Pan*	2	ND	ND	ND	ND	ND	104	88	52	12	72	30	42	64	28	100	131	75	8
251	*Pan*	2	ND	ND	ND	ND	ND	105	84	51	11	77	34	50	68	24	99	130	72	6
252	*Papio*	1	83	19	15	88	106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
253	*Papio*	1	96	21	19	91	111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
254	*Papio*	1	93	19	15	88	112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
255	*Papio*	1	98	20	21	86	111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
256	*Papio*	1	107	26	11	92	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
257	*Papio*	1	115	21	16	100	126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
258	*Papio*	1	99	20	8	99	126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
259	*Papio*	1	108	19	12	90	114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
260	*Papio*	1	96	25	11	88	107	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
261	*Papio*	1	109	22	21	90	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
262	*Papio*	1	109	20	15	90	117	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
263	*Papio*	1	117	26	11	90	118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
264	*Papio*	1	115	20	15	94	125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
265	*Papio*	1	106	23	10	94	113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
266	*Papio*	2	66	17	12	68	90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
267	*Papio*	2	79	15	15	79	96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
268	*Papio*	2	64	15	12	70	89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
269	*Papio*	2	76	15	12	76	99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
270	*Papio*	2	71	15	13	75	94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
271	*Papio*	2	74	16	8	68	89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
272	*Papio*	2	63	15	12	71	90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
273	*Papio*	2	69	15	12	74	92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
274	*Papio*	2	76	17	13	70	91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
275	*Papio*	2	64	13	10	66	87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
276	*Papio*	2	76	17	15	77	97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
277	*Papio*	2	79	19	14	74	98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
278	*Papio*	2	80	19	15	76	98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
279	*Papio*	2	80	17	15	79	99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
280	*Papio*	2	89	19	11	89	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
281	*Papio*	2	77	18	12	78	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
282	*Papio*	2	78	16	11	77	84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
283	*Pongo*	1	59	23	29	102	123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
284	*Pongo*	1	63	24	28	102	126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
285	*Pongo*	1	66	28	35	119	163	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
286	*Pongo*	1	59	19	30	104	136	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
287	*Pongo*	1	65	24	33	116	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
288	*Pongo*	1	72	23	36	108	138	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
289	*Pongo*	1	72	25	31	113	151	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
290	*Pongo*	1	72	30	58	138	183	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
291	*Pongo*	1	67	27	31	122	165	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
292	*Pongo*	1	80	25	35	123	164	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
293	*Pongo*	1	69	24	28	129	175	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
294	*Pongo*	1	86	29	36	123	172	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295	*Pongo*	1	64	31	50	127	181	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
296	*Pongo*	1	76	29	47	123	166	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
297	*Pongo*	1	81	31	44	136	177	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
298	*Pongo*	1	80	36	45	123	173	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
299	*Pongo*	1	70	28	37	119	167	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
300	*Pongo*	1	67	35	65	123	181	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
301	*Pongo*	1	84	33	43	136	161	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
302	*Pongo*	1	91	29	40	119	176	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
303	*Pongo*	1	ND	ND	ND	ND	ND	106	110	51	ND	112	46	68	91	34	106	178	103	2
304	*Pongo*	1	ND	ND	ND	ND	ND	112	132	56	6	121	52	74	104	48	110	185	97	7
305	*Pongo*	1	ND	ND	ND	ND	ND	95	105	49	9	106	42	59	80	35	98	161	80	4
306	*Pongo*	1	ND	ND	ND	ND	ND	82	103	45	7	86	41	56	84	32	92	153	81	5
307	*Pongo*	1	ND	ND	ND	ND	ND	116	113	48	12	82	43	54	88	34	111	166	82	4
308	*Pongo*	1	ND	ND	ND	ND	ND	116	139	56	13	124	56	73	104	50	113	208	99	2
309	*Pongo*	1	ND	ND	ND	ND	ND	104	116	50	12	94	47	57	94	35	106	185	100	ND
310	*Pongo*	1	ND	ND	ND	ND	ND	92	100	43	9	91	43	52	79	32	95	151	79	6

Appendix 1 - Dataset A

Specimen	Genus	Sex	F24	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
249	*Pan*	2	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	48	27	47	64	28
250	*Pan*	2	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	97	38	20	40	60	26
251	*Pan*	2	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	97	41	20	38	60	25
252	*Papio*	1	ND	109	58	66	75	79	17	64	34	81	29	ND	ND	ND	ND	ND	ND
253	*Papio*	1	ND	118	57	66	75	77	15	64	43	80	26	ND	ND	ND	ND	ND	ND
254	*Papio*	1	ND	111	57	72	80	78	15	69	41	85	31	ND	ND	ND	ND	ND	ND
255	*Papio*	1	ND	110	55	65	75	77	15	64	34	83	33	ND	ND	ND	ND	ND	ND
256	*Papio*	1	ND	111	59	67	71	86	14	62	45	92	30	ND	ND	ND	ND	ND	ND
257	*Papio*	1	ND	119	58	63	75	86	17	64	39	92	32	ND	ND	ND	ND	ND	ND
258	*Papio*	1	ND	120	60	71	81	85	12	67	42	90	30	ND	ND	ND	ND	ND	ND
259	*Papio*	1	ND	117	60	68	78	83	15	68	41	86	31	ND	ND	ND	ND	ND	ND
260	*Papio*	1	ND	107	57	67	73	76	17	61	36	84	26	ND	ND	ND	ND	ND	ND
261	*Papio*	1	ND	110	57	66	77	87	16	59	40	91	27	ND	ND	ND	ND	ND	ND
262	*Papio*	1	ND	110	58	65	72	86	12	63	38	94	34	ND	ND	ND	ND	ND	ND
263	*Papio*	1	ND	118	57	70	74	84	17	63	39	90	33	ND	ND	ND	ND	ND	ND
264	*Papio*	1	ND	116	57	71	75	87	17	66	39	90	28	ND	ND	ND	ND	ND	ND
265	*Papio*	1	ND	116	55	66	77	87	15	62	38	96	32	ND	ND	ND	ND	ND	ND
266	*Papio*	2	ND	93	51	62	66	68	11	56	31	76	29	ND	ND	ND	ND	ND	ND
267	*Papio*	2	ND	97	54	63	71	72	12	59	39	76	29	ND	ND	ND	ND	ND	ND
268	*Papio*	2	ND	99	54	62	69	65	10	59	30	74	25	ND	ND	ND	ND	ND	ND
269	*Papio*	2	ND	102	54	63	74	69	12	61	32	79	28	ND	ND	ND	ND	ND	ND
270	*Papio*	2	ND	101	54	64	72	67	9	61	31	75	28	ND	ND	ND	ND	ND	ND
271	*Papio*	2	ND	98	53	65	74	69	9	64	27	73	29	ND	ND	ND	ND	ND	ND
272	*Papio*	2	ND	95	53	66	69	64	10	60	28	70	26	ND	ND	ND	ND	ND	ND
273	*Papio*	2	ND	98	54	64	72	66	9	63	29	72	30	ND	ND	ND	ND	ND	ND
274	*Papio*	2	ND	100	52	64	71	67	9	59	29	73	24	ND	ND	ND	ND	ND	ND
275	*Papio*	2	ND	96	50	59	71	65	9	60	27	72	28	ND	ND	ND	ND	ND	ND
276	*Papio*	2	ND	99	60	65	79	78	14	70	32	85	27	ND	ND	ND	ND	ND	ND
277	*Papio*	2	ND	102	58	63	76	78	9	66	35	79	32	ND	ND	ND	ND	ND	ND
278	*Papio*	2	ND	98	56	64	73	76	13	64	34	82	29	ND	ND	ND	ND	ND	ND
279	*Papio*	2	ND	100	55	62	72	71	12	62	30	81	27	ND	ND	ND	ND	ND	ND
280	*Papio*	2	ND	100	55	66	75	72	13	61	30	77	23	ND	ND	ND	ND	ND	ND
281	*Papio*	2	ND	102	56	61	75	71	11	68	34	76	28	ND	ND	ND	ND	ND	ND
282	*Papio*	2	ND	99	56	62	71	73	11	60	34	79	27	ND	ND	ND	ND	ND	ND
283	*Pongo*	1	ND	125	70	95	97	108	12	75	27	115	54	ND	ND	ND	ND	ND	ND
284	*Pongo*	1	ND	121	67	96	99	112	16	81	35	117	50	ND	ND	ND	ND	ND	ND
285	*Pongo*	1	ND	132	65	109	96	119	13	73	55	136	62	ND	ND	ND	ND	ND	ND
286	*Pongo*	1	ND	120	62	92	95	110	17	76	32	121	46	ND	ND	ND	ND	ND	ND
287	*Pongo*	1	ND	130	64	98	104	124	16	82	53	139	64	ND	ND	ND	ND	ND	ND
288	*Pongo*	1	ND	128	67	96	101	116	14	86	36	126	61	ND	ND	ND	ND	ND	ND
289	*Pongo*	1	ND	129	64	88	102	128	29	72	35	134	46	ND	ND	ND	ND	ND	ND
290	*Pongo*	1	ND	129	82	116	102	138	28	83	63	158	67	ND	ND	ND	ND	ND	ND
291	*Pongo*	1	ND	129	59	102	103	123	22	71	60	138	65	ND	ND	ND	ND	ND	ND
292	*Pongo*	1	ND	136	62	97	102	125	18	78	50	142	50	ND	ND	ND	ND	ND	ND
293	*Pongo*	1	ND	128	65	112	103	131	21	82	29	145	40	ND	ND	ND	ND	ND	ND
294	*Pongo*	1	ND	138	59	106	98	136	16	86	63	156	60	ND	ND	ND	ND	ND	ND
295	*Pongo*	1	ND	152	66	109	101	141	26	86	77	168	71	ND	ND	ND	ND	ND	ND
296	*Pongo*	1	ND	138	60	103	98	131	22	76	58	145	62	ND	ND	ND	ND	ND	ND
297	*Pongo*	1	ND	139	73	107	115	143	17	92	68	147	55	ND	ND	ND	ND	ND	ND
298	*Pongo*	1	ND	140	63	95	97	135	20	76	66	146	64	ND	ND	ND	ND	ND	ND
299	*Pongo*	1	ND	127	70	101	93	126	25	81	52	142	60	ND	ND	ND	ND	ND	ND
300	*Pongo*	1	ND	141	65	117	91	147	26	65	96	179	63	ND	ND	ND	ND	ND	ND
301	*Pongo*	1	ND	143	63	97	92	131	27	73	46	140	55	ND	ND	ND	ND	ND	ND
302	*Pongo*	1	ND	145	60	106	107	132	19	74	59	146	69	ND	ND	ND	ND	ND	ND
303	*Pongo*	1	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	115	48	29	40	70	34
304	*Pongo*	1	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	124	46	28	42	79	42
305	*Pongo*	1	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	109	51	30	45	58	29
306	*Pongo*	1	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	49	28	41	57	29
307	*Pongo*	1	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	49	24	44	64	41
308	*Pongo*	1	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	143	47	27	49	72	46
309	*Pongo*	1	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	123	49	29	48	79	35
310	*Pongo*	1	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	112	47	26	42	67	31

Appendix 1 - Dataset A

Specimen	Genus	Sex	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32
249	*Pan*	2	32	27	26	45	33	26	53	ND	83	30	3	81	67	62	50	91
250	*Pan*	2	30	23	18	38	28	21	49	ND	67	26	3	72	65	61	50	80
251	*Pan*	2	29	24	23	38	27	21	47	ND	67	23	3	75	67	ND	49	88
252	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND
253	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND
254	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
255	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
256	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND
257	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND	ND	ND
258	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	ND	ND
259	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
260	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
261	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND	ND	ND
262	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND
263	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND
264	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND	ND	ND
265	*Papio*	1	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND	ND	ND
266	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
267	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
268	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
269	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
270	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
271	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND
272	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND
273	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
274	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND
275	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND
276	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
277	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND
278	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
279	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
280	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
281	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND
282	*Papio*	2	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND
283	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
284	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
285	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND	ND	ND
286	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
287	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND
288	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND
289	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND
290	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	51	ND	ND	ND	ND	ND	ND	ND	ND
291	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	ND	ND	ND	ND	ND
292	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND	ND	ND
293	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	ND	ND	ND	ND	ND
294	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	ND	ND	ND	ND
295	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	50	ND	ND	ND	ND	ND	ND	ND	ND
296	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	ND	ND
297	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	ND	ND	ND	ND
298	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	50	ND	ND	ND	ND	ND	ND	ND	ND
299	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND
300	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	ND	ND
301	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND
302	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	51	ND	ND	ND	ND	ND	ND	ND	ND
303	*Pongo*	1	35	28	22	40	26	26	70	ND	75	28	4	70	ND	ND	ND	73
304	*Pongo*	1	42	28	24	42	28	22	62	ND	82	33	6	75	ND	ND	ND	80
305	*Pongo*	1	31	29	22	43	32	27	55	ND	82	28	3	59	78	63	53	64
306	*Pongo*	1	32	26	21	44	33	27	52	ND	76	27	4	71	61	57	53	76
307	*Pongo*	1	36	31	24	43	28	27	48	ND	84	37	9	75	65	65	75	81
308	*Pongo*	1	50	31	22	47	30	25	63	ND	80	34	5	74	ND	73	ND	80
309	*Pongo*	1	39	27	24	51	39	32	60	ND	89	36	6	77	ND	79	ND	81
310	*Pongo*	1	34	27	19	35	33	28	49	ND	73	22	4	64	61	60	60	68

Appendix 1 - Dataset A

Specimen	Genus	Sex	C33	C34
249	*Pan*	2	60	66
250	*Pan*	2	59	65
251	*Pan*	2	60	67
252	*Papio*	1	ND	ND
253	*Papio*	1	ND	ND
254	*Papio*	1	ND	ND
255	*Papio*	1	ND	ND
256	*Papio*	1	ND	ND
257	*Papio*	1	ND	ND
258	*Papio*	1	ND	ND
259	*Papio*	1	ND	ND
260	*Papio*	1	ND	ND
261	*Papio*	1	ND	ND
262	*Papio*	1	ND	ND
263	*Papio*	1	ND	ND
264	*Papio*	1	ND	ND
265	*Papio*	1	ND	ND
266	*Papio*	2	ND	ND
267	*Papio*	2	ND	ND
268	*Papio*	2	ND	ND
269	*Papio*	2	ND	ND
270	*Papio*	2	ND	ND
271	*Papio*	2	ND	ND
272	*Papio*	2	ND	ND
273	*Papio*	2	ND	ND
274	*Papio*	2	ND	ND
275	*Papio*	2	ND	ND
276	*Papio*	2	ND	ND
277	*Papio*	2	ND	ND
278	*Papio*	2	ND	ND
279	*Papio*	2	ND	ND
280	*Papio*	2	ND	ND
281	*Papio*	2	ND	ND
282	*Papio*	2	ND	ND
283	*Pongo*	1	ND	ND
284	*Pongo*	1	ND	ND
285	*Pongo*	1	ND	ND
286	*Pongo*	1	ND	ND
287	*Pongo*	1	ND	ND
288	*Pongo*	1	ND	ND
289	*Pongo*	1	ND	ND
290	*Pongo*	1	ND	ND
291	*Pongo*	1	ND	ND
292	*Pongo*	1	ND	ND
293	*Pongo*	1	ND	ND
294	*Pongo*	1	ND	ND
295	*Pongo*	1	ND	ND
296	*Pongo*	1	ND	ND
297	*Pongo*	1	ND	ND
298	*Pongo*	1	ND	ND
299	*Pongo*	1	ND	ND
300	*Pongo*	1	ND	ND
301	*Pongo*	1	ND	ND
302	*Pongo*	1	ND	ND
303	*Pongo*	1	ND	ND
304	*Pongo*	1	ND	76
305	*Pongo*	1	57	70
306	*Pongo*	1	60	67
307	*Pongo*	1	87	72
308	*Pongo*	1	ND	75
309	*Pongo*	1	ND	75
310	*Pongo*	1	69	70

Appendix 1 - Dataset A

Specimen	Genus	Sex	Source	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
311	*Pongo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
312	*Pongo*	1	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
313	*Pongo*	2	Wood et al. (1991)	10.7	12.0	8.3	8.7	8.3	12.5	10.9	10.9	9.1	10.9	8.0	12.0
314	*Pongo*	2	Wood et al. (1991)	12.1	13.9	8.3	6.5	12.5	15.8	26.3	11.5	10.0	12.7	9.7	13.5
315	*Pongo*	2	Wood et al. (1991)	10.7	12.9	7.3	7.7	10.4	15.0	19.7	11.6	9.0	12.5	8.5	13.0
316	*Pongo*	2	Wood et al. (1991)	11.0	12.3	7.7	6.7	10.7	12.9	13.2	13.4	10.0	12.4	9.0	12.8
317	*Pongo*	2	Wood et al. (1991)	13.2	15.1	8.7	7.9	10.0	13.6	12.7	11.4	10.1	11.7	8.3	12.7
318	*Pongo*	2	Wood et al. (1991)	9.7	9.6	7.3	6.9	9.6	11.8	14.3	10.6	8.7	10.9	7.7	11.8
319	*Pongo*	2	Wood et al. (1991)	10.4	11.8	7.6	8.1	9.0	10.9	11.5	10.9	9.2	11.5	7.9	12.0
320	*Pongo*	2	Wood et al. (1991)	10.8	11.4	7.0	6.7	9.6	11.8	6.3	10.5	8.3	10.8	7.5	12.0
321	*Pongo*	2	Wood et al. (1991)	12.1	12.8	9.3	8.6	13.1	16.9	21.7	13.9	11.3	13.8	9.8	12.7
322	*Pongo*	2	Wood et al. (1991)	10.4	12.6	7.7	7.2	9.8	13.1	14.2	11.1	8.6	11.0	7.6	11.7
323	*Pongo*	2	Wood et al. (1991)	11.4	11.6	8.4	8.5	11.2	12.3	15.2	12.9	9.6	12.5	7.9	12.7
324	*Pongo*	2	Wood et al. (1991)	12.6	12.9	8.3	5.8	11.7	13.2	11.1	12.7	8.9	12.9	8.4	13.1
325	*Pongo*	2	Wood et al. (1991)	13.3	14.6	9.1	8.0	10.4	13.9	18.0	12.3	10.0	11.9	8.5	12.8
326	*Pongo*	2	Wood et al. (1991)	12.1	12.9	8.4	7.2	10.7	11.8	13.2	11.4	9.2	11.4	8.4	12.6
327	*Pongo*	2	Wood et al. (1991)	9.8	11.8	7.6	7.4	9.8	12.2	13.6	11.3	9.2	12.0	8.5	12.6
328	*Pongo*	2	Wood et al. (1991)	11.9	13.5	8.8	7.0	11.0	14.0	14.8	13.9	10.9	14.0	9.3	13.4
329	*Pongo*	2	Wood et al. (1991)	10.8	13.4	7.4	8.0	10.0	12.7	14.8	11.9	8.9	12.2	8.2	12.5
330	*Pongo*	2	Wood et al. (1991)	11.0	13.2	8.6	8.1	11.9	13.6	15.9	13.1	10.6	13.3	7.9	12.8
331	*Pongo*	2	Wood et al. (1991)	10.7	12.5	8.7	8.0	9.9	13.3	17.2	12.2	9.4	11.6	8.7	11.6
332	*Pongo*	2	Wood et al. (1991)	12.7	11.5	9.0	6.2	14.9	17.9	24.2	12.9	8.7	13.2	9.4	13.9
333	*Pongo*	2	Wood et al. (1991)	13.8	13.5	10.4	7.6	15.5	18.3	24.0	13.5	9.0	14.3	10.2	14.4
334	*Pongo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
335	*Pongo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
336	*Pongo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
337	*Pongo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
338	*Pongo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
339	*Pongo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
340	*Pongo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
341	*Pongo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
342	*Pongo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
343	*Pongo*	2	Chamberlain (1987)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28	P29
311	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	46	18	26	17	22
312	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66	42	7	13	16	19
313	*Pongo*	2	11.1	12.3	11.0	11.8	10.2	59	40	71	30	14	66	ND	ND	ND	ND	ND	ND
314	*Pongo*	2	12.8	13.8	13.1	14.0	10.5	65	35	73	35	18	74	ND	ND	ND	ND	ND	ND
315	*Pongo*	2	11.8	12.8	10.8	11.9	10.2	66	39	80	38	10	71	ND	ND	ND	ND	ND	ND
316	*Pongo*	2	11.2	12.0	11.2	12.2	10.8	58	36	78	31	14	78	ND	ND	ND	ND	ND	ND
317	*Pongo*	2	12.4	12.9	12.2	12.1	9.6	57	34	77	35	19	71	ND	ND	ND	ND	ND	ND
318	*Pongo*	2	10.3	12.0	10.0	12.2	8.9	54	37	71	31	12	65	ND	ND	ND	ND	ND	ND
319	*Pongo*	2	11.5	12.6	11.1	11.3	11.4	49	35	66	28	11	63	ND	ND	ND	ND	ND	ND
320	*Pongo*	2	11.1	12.3	11.4	11.0	9.9	56	36	79	32	17	72	ND	ND	ND	ND	ND	ND
321	*Pongo*	2	11.7	13.7	13.3	14.5	13.7	63	35	89	32	18	86	ND	ND	ND	ND	ND	ND
322	*Pongo*	2	10.5	11.8	10.2	10.7	9.3	58	39	76	35	12	64	ND	ND	ND	ND	ND	ND
323	*Pongo*	2	10.4	12.6	10.3	11.0	9.6	54	32	67	31	14	65	ND	ND	ND	ND	ND	ND
324	*Pongo*	2	11.0	14.2	11.6	13.1	10.7	65	39	81	39	14	71	ND	ND	ND	ND	ND	ND
325	*Pongo*	2	12.1	12.9	11.8	12.8	12.0	55	33	72	31	16	70	ND	ND	ND	ND	ND	ND
326	*Pongo*	2	11.1	13.2	11.2	12.2	9.8	64	34	80	39	15	76	ND	ND	ND	ND	ND	ND
327	*Pongo*	2	11.5	13.0	11.5	11.7	10.7	59	40	75	33	13	70	ND	ND	ND	ND	ND	ND
328	*Pongo*	2	12.1	14.4	11.5	14.3	12.3	57	34	78	29	16	70	ND	ND	ND	ND	ND	ND
329	*Pongo*	2	10.9	12.7	9.5	12.4	9.5	57	40	76	28	9	70	ND	ND	ND	ND	ND	ND
330	*Pongo*	2	12.0	13.9	11.2	13.0	11.0	55	32	72	29	14	64	ND	ND	ND	ND	ND	ND
331	*Pongo*	2	11.1	12.4	10.5	12.4	10.7	58	38	75	32	10	71	ND	ND	ND	ND	ND	ND
332	*Pongo*	2	11.7	13.8	12.3	13.6	12.4	69	47	88	34	19	78	ND	ND	ND	ND	ND	ND
333	*Pongo*	2	12.5	14.9	13.4	13.7	13.3	69	45	86	37	19	81	ND	ND	ND	ND	ND	ND
334	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	37	10	14	15	18
335	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	33	10	11	14	17
336	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	39	13	18	18	21
337	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57	30	11	13	15	17
338	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	34	5	9	18	19
339	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	33	13	15	18	21
340	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	37	9	12	16	18
341	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	36	8	11	19	20
342	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	32	11	14	15	20
343	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58	35	11	15	23	19

Appendix 1 - Dataset A

Specimen	Genus	Sex	P30	P31	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
311	*Pongo*	1	19	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
312	*Pongo*	1	19	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
313	*Pongo*	2	ND	ND	8.6	7.6	9.0	7.1	11.7	7.8	15.2	9.7	10.7	9.9	8.7	11.0	11.9	11.9
314	*Pongo*	2	ND	ND	9.5	9.8	10.0	9.3	13.5	10.7	25.5	11.5	10.3	11.1	10.9	12.1	12.7	12.6
315	*Pongo*	2	ND	ND	8.6	8.6	8.5	6.6	14.2	11.0	17.7	11.2	12.5	10.7	10.0	11.7	12.6	12.0
316	*Pongo*	2	ND	ND	9.4	7.5	9.7	7.2	12.6	7.8	11.1	11.5	11.6	11.6	10.2	12.1	12.1	11.4
317	*Pongo*	2	ND	ND	9.5	8.9	10.0	8.5	12.1	8.4	13.7	9.8	11.3	10.7	9.8	11.6	12.1	12.2
318	*Pongo*	2	ND	ND	8.6	6.4	9.1	5.4	10.5	7.9	8.3	9.0	10.3	10.2	9.1	11.1	11.2	10.9
319	*Pongo*	2	ND	ND	8.7	8.7	9.3	8.3	11.0	8.1	13.7	9.1	11.1	9.5	10.0	11.1	12.4	12.1
320	*Pongo*	2	ND	ND	8.1	6.8	8.5	7.4	10.6	7.8	10.0	8.2	10.5	9.7	9.0	10.9	11.4	11.5
321	*Pongo*	2	ND	ND	9.8	8.9	10.0	8.9	14.9	10.9	23.6	11.5	14.0	12.0	12.4	12.1	13.5	13.6
322	*Pongo*	2	ND	ND	8.5	7.8	8.7	8.8	12.0	8.1	14.9	9.4	10.8	10.1	8.9	10.2	11.2	11.1
323	*Pongo*	2	ND	ND	9.1	8.1	9.8	8.6	13.1	9.0	16.7	11.3	11.5	11.1	9.5	10.7	11.1	11.8
324	*Pongo*	2	ND	ND	9.6	8.8	9.7	8.4	12.8	9.0	14.5	9.9	10.8	10.5	8.8	11.6	11.9	12.7
325	*Pongo*	2	ND	ND	10.8	10.0	10.6	9.7	12.8	8.8	16.8	10.4	11.9	11.0	10.3	11.9	12.8	12.0
326	*Pongo*	2	ND	ND	9.5	8.8	9.9	7.2	13.0	8.1	12.8	8.8	10.9	9.9	9.1	11.0	11.3	12.3
327	*Pongo*	2	ND	ND	8.8	9.3	8.6	8.6	10.5	7.4	12.5	8.8	11.3	10.1	9.8	10.8	12.2	11.2
328	*Pongo*	2	ND	ND	11.0	8.9	10.3	9.3	13.2	10.5	15.7	11.8	13.0	12.5	11.0	12.4	12.8	13.4
329	*Pongo*	2	ND	ND	9.4	8.4	8.3	9.2	11.7	7.8	15.0	9.1	12.0	9.9	9.7	10.5	12.0	11.2
330	*Pongo*	2	ND	ND	9.8	8.6	10.7	6.8	12.2	8.5	16.8	11.5	11.2	11.7	11.3	12.0	12.5	12.7
331	*Pongo*	2	ND	ND	9.2	8.2	9.5	8.2	12.7	8.6	16.5	9.8	11.7	10.0	9.4	10.5	11.3	11.7
332	*Pongo*	2	ND	ND	9.2	7.9	11.3	6.7	15.3	13.0	26.6	13.3	12.8	12.3	10.7	12.7	12.2	13.5
333	*Pongo*	2	ND	ND	11.3	9.4	12.4	9.0	16.9	12.8	21.4	14.5	14.8	13.0	11.1	13.1	13.3	13.4
334	*Pongo*	2	15	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
335	*Pongo*	2	17	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
336	*Pongo*	2	18	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
337	*Pongo*	2	18	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
338	*Pongo*	2	17	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
339	*Pongo*	2	20	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
340	*Pongo*	2	17	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
341	*Pongo*	2	18	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
342	*Pongo*	2	18	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
343	*Pongo*	2	18	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27	M28	M29
311	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
312	*Pongo*	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
313	*Pongo*	2	11.9	10.9	11.5	4.9	88	125	89	98	24	13	48	97	35	14	48
314	*Pongo*	2	13.9	12.4	13.7	7.5	87	128	98	106	30	14	55	112	38	16	59
315	*Pongo*	2	13.4	11.4	13.1	6.6	89	125	93	104	28	18	59	113	34	16	53
316	*Pongo*	2	12.9	11.3	14.2	6.3	91	121	88	96	25	16	53	103	34	14	55
317	*Pongo*	2	12.8	11.9	12.8	5.6	75	115	77	89	27	14	50	99	32	15	46
318	*Pongo*	2	11.0	10.2	11.7	5.3	83	126	77	98	29	15	51	95	31	13	46
319	*Pongo*	2	12.8	11.1	13.0	5.2	77	111	80	91	24	16	51	91	34	14	46
320	*Pongo*	2	11.6	11.4	12.0	5.4	79	115	83	98	25	12	48	95	35	16	50
321	*Pongo*	2	14.5	13.4	16.3	8.3	92	127	93	88	32	17	56	122	44	16	65
322	*Pongo*	2	11.9	9.9	10.9	4.6	73	115	87	103	25	14	51	107	37	15	56
323	*Pongo*	2	11.8	10.4	11.7	5.7	80	113	80	94	21	13	49	104	30	15	44
324	*Pongo*	2	12.4	12.7	12.8	5.9	79	116	84	106	24	14	47	110	29	13	48
325	*Pongo*	2	13.3	10.8	12.9	5.2	75	96	82	85	21	13	45	90	37	16	56
326	*Pongo*	2	12.6	11.3	11.4	5.1	75	114	75	99	26	12	46	105	30	18	51
327	*Pongo*	2	12.6	10.7	12.3	5.7	90	118	86	96	26	17	53	91	34	15	50
328	*Pongo*	2	13.8	12.6	14.4	6.6	91	104	86	88	21	14	50	107	35	17	51
329	*Pongo*	2	11.8	11.4	11.6	6.8	73	108	73	84	25	13	53	104	29	15	47
330	*Pongo*	2	12.8	12.2	13.8	5.8	69	110	71	91	26	11	46	94	29	16	49
331	*Pongo*	2	11.8	11.2	11.7	5.5	73	118	78	95	26	14	52	99	31	14	50
332	*Pongo*	2	13.6	12.1	13.8	6.4	99	139	96	109	33	15	71	133	47	18	72
333	*Pongo*	2	14.0	12.8	13.8	5.9	97	145	102	111	33	17	68	127	40	19	67
334	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
335	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
336	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
337	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
338	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
339	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
340	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
341	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
342	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
343	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	M30	M31	M32	M33	M34	M35	M36	M37	M38	M39	M40	F1	F2	F3	F4	F5
311	*Pongo*	1	ND	ND	ND	ND	40	16	21	40	18	26	42	ND	ND	ND	ND	ND
312	*Pongo*	1	ND	ND	ND	ND	33	15	19	38	14	24	40	ND	ND	ND	ND	ND
313	*Pongo*	2	16	41	122	28	ND	ND	ND	ND	ND	ND	ND	31	37	14	76	32
314	*Pongo*	2	21	47	139	26	ND	ND	ND	ND	ND	ND	ND	37	41	12	83	36
315	*Pongo*	2	21	48	135	26	ND	ND	ND	ND	ND	ND	ND	33	41	12	77	33
316	*Pongo*	2	17	41	128	24	ND	ND	ND	ND	ND	ND	ND	33	38	12	74	26
317	*Pongo*	2	17	42	130	26	ND	ND	ND	ND	ND	ND	ND	33	38	12	75	39
318	*Pongo*	2	18	40	125	27	ND	ND	ND	ND	ND	ND	ND	33	33	12	77	28
319	*Pongo*	2	17	36	117	25	ND	ND	ND	ND	ND	ND	ND	30	35	10	71	25
320	*Pongo*	2	16	42	135	26	ND	ND	ND	ND	ND	ND	ND	31	38	12	71	36
321	*Pongo*	2	20	37	146	30	ND	ND	ND	ND	ND	ND	ND	38	36	14	88	28
322	*Pongo*	2	18	47	137	32	ND	ND	ND	ND	ND	ND	ND	34	36	11	78	32
323	*Pongo*	2	19	44	127	25	ND	ND	ND	ND	ND	ND	ND	31	33	13	74	26
324	*Pongo*	2	14	45	146	28	ND	ND	ND	ND	ND	ND	ND	35	40	13	82	37
325	*Pongo*	2	21	43	128	24	ND	ND	ND	ND	ND	ND	ND	32	36	9	71	34
326	*Pongo*	2	16	39	134	26	ND	ND	ND	ND	ND	ND	ND	35	36	14	80	38
327	*Pongo*	2	16	44	132	29	ND	ND	ND	ND	ND	ND	ND	35	36	11	77	32
328	*Pongo*	2	22	44	121	26	ND	ND	ND	ND	ND	ND	ND	33	37	10	75	35
329	*Pongo*	2	20	37	118	38	ND	ND	ND	ND	ND	ND	ND	32	30	11	73	24
330	*Pongo*	2	17	44	131	25	ND	ND	ND	ND	ND	ND	ND	32	37	13	73	29
331	*Pongo*	2	17	40	133	28	ND	ND	ND	ND	ND	ND	ND	31	37	12	73	32
332	*Pongo*	2	22	41	168	31	ND	ND	ND	ND	ND	ND	ND	35	40	15	83	39
333	*Pongo*	2	22	45	161	31	ND	ND	ND	ND	ND	ND	ND	34	38	21	87	36
334	*Pongo*	2	ND	ND	ND	ND	31	15	14	36	14	20	36	ND	ND	ND	ND	ND
335	*Pongo*	2	ND	ND	ND	ND	33	11	15	33	13	20	38	ND	ND	ND	ND	ND
336	*Pongo*	2	ND	ND	ND	ND	33	14	12	34	16	21	37	ND	ND	ND	ND	ND
337	*Pongo*	2	ND	ND	ND	ND	32	12	17	32	15	22	40	ND	ND	ND	ND	ND
338	*Pongo*	2	ND	ND	ND	ND	30	9	16	33	15	23	37	ND	ND	ND	ND	ND
339	*Pongo*	2	ND	ND	ND	ND	40	10	15	32	16	22	39	ND	ND	ND	ND	ND
340	*Pongo*	2	ND	ND	ND	ND	35	12	18	34	15	20	36	ND	ND	ND	ND	ND
341	*Pongo*	2	ND	ND	ND	ND	31	11	17	36	15	22	36	ND	ND	ND	ND	ND
342	*Pongo*	2	ND	ND	ND	ND	34	10	15	32	15	21	40	ND	ND	ND	ND	ND
343	*Pongo*	2	ND	ND	ND	ND	35	10	15	39	14	22	40	ND	ND	ND	ND	ND

Appendix 1 - Dataset A

Specimen	Genus	Sex	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23
311	*Pongo*	1	ND	ND	ND	ND	ND	113	128	49	8	119	52	77	114	49	113	195	102	4
312	*Pongo*	1	ND	ND	ND	ND	ND	102	107	51	12	85	39	55	86	32	104	160	89	5
313	*Pongo*	2	55	20	25	105	139	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
314	*Pongo*	2	66	22	31	117	145	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
315	*Pongo*	2	61	22	28	118	152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
316	*Pongo*	2	49	21	30	102	137	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
317	*Pongo*	2	64	19	37	103	128	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
318	*Pongo*	2	53	24	21	104	134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319	*Pongo*	2	51	20	24	96	123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
320	*Pongo*	2	61	24	32	101	129	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
321	*Pongo*	2	53	25	36	117	157	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
322	*Pongo*	2	61	22	28	107	137	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
323	*Pongo*	2	56	27	25	99	131	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
324	*Pongo*	2	62	26	34	124	143	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
325	*Pongo*	2	57	22	31	97	116	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
326	*Pongo*	2	64	23	27	101	134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
327	*Pongo*	2	54	29	26	114	139	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
328	*Pongo*	2	62	26	29	100	131	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
329	*Pongo*	2	45	24	25	93	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
330	*Pongo*	2	61	23	28	102	124	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
331	*Pongo*	2	57	21	28	101	131	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
332	*Pongo*	2	77	25	41	123	166	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
333	*Pongo*	2	70	27	39	138	175	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
334	*Pongo*	2	ND	ND	ND	ND	ND	91	99	47	10	74	33	43	74	26	100	137	79	3
335	*Pongo*	2	ND	ND	ND	ND	ND	84	95	44	3	74	32	43	68	27	90	130	73	7
336	*Pongo*	2	ND	ND	ND	ND	ND	87	101	40	10	100	41	56	82	34	89	147	68	5
337	*Pongo*	2	ND	ND	ND	ND	ND	87	101	45	9	66	30	41	69	27	88	131	74	6
338	*Pongo*	2	ND	ND	ND	ND	ND	86	95	39	10	68	32	40	68	24	95	145	78	6
339	*Pongo*	2	ND	ND	ND	ND	ND	93	95	39	10	77	39	41	69	29	99	149	79	6
340	*Pongo*	2	ND	ND	ND	ND	ND	89	104	40	7	76	36	45	77	33	92	137	77	6
341	*Pongo*	2	ND	ND	ND	ND	ND	88	95	46	9	84	33	44	72	26	92	142	74	6
342	*Pongo*	2	ND	ND	ND	ND	ND	81	91	43	8	75	36	46	71	30	90	134	72	6
343	*Pongo*	2	ND	ND	ND	ND	ND	93	104	43	13	82	38	47	78	29	100	155	84	6

Appendix 1 - Dataset A

Specimen	Genus	Sex	F24	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
311	*Pongo*	1	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	128	52	28	49	80	41
312	*Pongo*	1	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	117	47	31	47	79	34
313	*Pongo*	2	ND	119	64	95	97	115	21	73	47	123	55	ND	ND	ND	ND	ND	ND
314	*Pongo*	2	ND	131	69	103	103	120	15	81	45	125	60	ND	ND	ND	ND	ND	ND
315	*Pongo*	2	ND	122	70	93	100	126	14	84	48	129	57	ND	ND	ND	ND	ND	ND
316	*Pongo*	2	ND	125	66	91	94	113	23	75	39	125	48	ND	ND	ND	ND	ND	ND
317	*Pongo*	2	ND	116	67	93	90	107	25	75	24	115	55	ND	ND	ND	ND	ND	ND
318	*Pongo*	2	ND	122	67	96	95	115	19	76	39	126	48	ND	ND	ND	ND	ND	ND
319	*Pongo*	2	ND	115	63	91	95	105	20	71	45	115	48	ND	ND	ND	ND	ND	ND
320	*Pongo*	2	ND	122	68	99	91	105	18	78	35	115	50	ND	ND	ND	ND	ND	ND
321	*Pongo*	2	ND	145	71	111	100	127	16	86	66	144	76	ND	ND	ND	ND	ND	ND
322	*Pongo*	2	ND	125	70	92	102	119	15	76	48	127	59	ND	ND	ND	ND	ND	ND
323	*Pongo*	2	ND	117	65	91	101	111	14	85	47	116	61	ND	ND	ND	ND	ND	ND
324	*Pongo*	2	ND	119	72	97	91	111	12	79	24	130	58	ND	ND	ND	ND	ND	ND
325	*Pongo*	2	ND	121	65	96	97	102	21	78	44	112	57	ND	ND	ND	ND	ND	ND
326	*Pongo*	2	ND	125	71	96	97	112	16	80	51	123	56	ND	ND	ND	ND	ND	ND
327	*Pongo*	2	ND	127	66	100	99	114	20	74	46	128	55	ND	ND	ND	ND	ND	ND
328	*Pongo*	2	ND	124	59	95	95	104	15	71	38	118	55	ND	ND	ND	ND	ND	ND
329	*Pongo*	2	ND	124	63	99	93	106	19	76	26	121	50	ND	ND	ND	ND	ND	ND
330	*Pongo*	2	ND	118	68	93	100	103	17	80	46	116	62	ND	ND	ND	ND	ND	ND
331	*Pongo*	2	ND	121	61	94	99	109	12	75	41	116	54	ND	ND	ND	ND	ND	ND
332	*Pongo*	2	ND	130	78	102	104	136	21	81	36	152	61	ND	ND	ND	ND	ND	ND
333	*Pongo*	2	ND	125	65	98	99	132	20	76	35	141	64	ND	ND	ND	ND	ND	ND
334	*Pongo*	2	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	47	26	45	67	28
335	*Pongo*	2	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	40	25	39	62	28
336	*Pongo*	2	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102	47	30	42	67	31
337	*Pongo*	2	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	45	25	39	67	25
338	*Pongo*	2	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	101	45	26	41	68	28
339	*Pongo*	2	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	44	23	40	67	26
340	*Pongo*	2	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	108	44	28	41	72	27
341	*Pongo*	2	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	103	47	27	42	69	27
342	*Pongo*	2	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	43	24	41	65	26
343	*Pongo*	2	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	112	47	26	41	73	27

Appendix 1 - Dataset A

Specimen	Genus	Sex	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32
311	*Pongo*	1	40	33	24	45	26	27	58	ND	82	38	6	79	ND	62	ND	87
312	*Pongo*	1	38	25	17	38	32	24	54	ND	74	27	4	77	61	65	54	82
313	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND
314	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	ND	ND
315	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND
316	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
317	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND
318	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND
319	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND	ND	ND
320	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
321	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	ND	ND
322	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	ND	ND
323	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND	ND	ND
324	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND	ND	ND
325	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND
326	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND
327	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	ND	ND
328	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	ND	ND
329	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND
330	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND
331	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND
332	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	50	ND	ND	ND	ND	ND	ND	ND	ND
333	*Pongo*	2	ND	ND	ND	ND	ND	ND	ND	53	ND	ND	ND	ND	ND	ND	ND	ND
334	*Pongo*	2	32	27	20	39	29	21	46	ND	75	27	5	70	59	66	57	75
335	*Pongo*	2	33	22	16	34	25	20	44	ND	66	25	7	70	ND	63	ND	74
336	*Pongo*	2	32	22	20	36	36	27	47	ND	72	27	4	60	59	60	47	63
337	*Pongo*	2	29	24	18	34	26	24	47	ND	68	28	4	69	57	61	60	74
338	*Pongo*	2	28	24	19	38	29	24	49	ND	72	28	6	68	65	64	58	72
339	*Pongo*	2	34	28	22	40	35	30	50	ND	75	27	7	69	60	64	60	72
340	*Pongo*	2	33	28	20	39	34	27	49	ND	76	26	6	62	59	64	62	65
341	*Pongo*	2	30	24	20	37	33	28	47	ND	75	28	4	68	55	65	56	72
342	*Pongo*	2	29	24	17	39	32	25	46	ND	73	23	3	73	55	64	54	81
343	*Pongo*	2	33	27	22	37	25	25	53	ND	69	28	5	73	56	62	59	79

Appendix 1 - Dataset A

Specimen	Genus	Sex	C33	C34
311	*Pongo*	1	ND	69
312	*Pongo*	1	62	72
313	*Pongo*	2	ND	ND
314	*Pongo*	2	ND	ND
315	*Pongo*	2	ND	ND
316	*Pongo*	2	ND	ND
317	*Pongo*	2	ND	ND
318	*Pongo*	2	ND	ND
319	*Pongo*	2	ND	ND
320	*Pongo*	2	ND	ND
321	*Pongo*	2	ND	ND
322	*Pongo*	2	ND	ND
323	*Pongo*	2	ND	ND
324	*Pongo*	2	ND	ND
325	*Pongo*	2	ND	ND
326	*Pongo*	2	ND	ND
327	*Pongo*	2	ND	ND
328	*Pongo*	2	ND	ND
329	*Pongo*	2	ND	ND
330	*Pongo*	2	ND	ND
331	*Pongo*	2	ND	ND
332	*Pongo*	2	ND	ND
333	*Pongo*	2	ND	ND
334	*Pongo*	2	66	79
335	*Pongo*	2	ND	72
336	*Pongo*	2	54	64
337	*Pongo*	2	71	62
338	*Pongo*	2	64	70
339	*Pongo*	2	71	76
340	*Pongo*	2	71	68
341	*Pongo*	2	65	67
342	*Pongo*	2	65	67
343	*Pongo*	2	68	68

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	Source	P1	P2	P3	P4	P5	P6	P7
1	*C. badius*	1	NNHM 378643	Chamberlain et al. (in prep.)	41	32	15	ND	6	9	17
2	*C. badius*	1	NNHM 378673	Chamberlain et al. (in prep.)	43	33	17	ND	5	10	22
3	*C. badius*	1	NNHM 378676	Chamberlain et al. (in prep.)	45	34	17	ND	6	9	18
4	*C. badius*	1	NNHM 378677	Chamberlain et al. (in prep.)	45	34	16	ND	8	9	18
5	*C. badius*	1	NNHM 477323	Chamberlain et al. (in prep.)	43	35	13	ND	5	9	22
6	*C. badius*	1	NNHM 481795	Chamberlain et al. (in prep.)	46	33	20	ND	5	9	21
7	*C. badius*	1	NNHM 481797	Chamberlain et al. (in prep.)	44	34	17	ND	7	10	20
8	*C. badius*	1	ZAI 6105	This study	42	32	17	10	7	8	20
9	*C. badius*	1	ZAI 6308	This study	41	31	17	9	5	8	19
10	*C. badius*	1	ZAI 6309	This study	42	32	16	9	6	8	18
11	*C. badius*	2	NNHM 378647	Chamberlain et al. (in prep.)	38	30	13	ND	5	9	19
12	*C. badius*	2	NNHM 378652	Chamberlain et al. (in prep.)	39	31	16	ND	6	10	20
13	*C. badius*	2	NNHM 378653	Chamberlain et al. (in prep.)	37	31	15	ND	5	9	20
14	*C. badius*	2	NNHM 378660	Chamberlain et al. (in prep.)	40	31	16	ND	5	9	20
15	*C. badius*	2	NNHM 378672	Chamberlain et al. (in prep.)	40	30	15	ND	6	9	21
16	*C. badius*	2	NNHM 378674	Chamberlain et al. (in prep.)	40	30	15	ND	6	10	19
17	*C. badius*	2	NNHM 381456	Chamberlain et al. (in prep.)	39	31	14	ND	7	10	20
18	*C. badius*	2	LNHM 51.365	This study	40	31	17	9	6	9	18
19	*C. badius*	2	ZAI 6320	This study	40	32	17	9	6	9	19
20	*C. badius*	2	ZAI 6322	This study	42	34	16	10	ND	9	19
21	*C. badius*	2	ZAI 6367	This study	39	31	16	10	6	8	18
22	*E. patas*	1	PNHM 1911.2372	This study	63	41	21	12	11	12	22
23	*E. patas*	1	PNHM 1913.572	This study	61	39	24	14	9	11	23
24	*E. patas*	1	PNHM 1962.1451	This study	57	38	22	14	9	10	21
25	*E. patas*	1	PNHM 1962.1452	This study	54	37	20	12	8	9	22
26	*E. patas*	1	PNHM 1994.615	This study	51	34	20	12	10	10	21
27	*E. patas*	2	GNHM 450.14	This study	46	34	21	13	8	9	20
28	*E. patas*	2	PNHM 1970.416	This study	44	34	ND	12	9	9	18
29	*E. patas*	2	PNHM 1970.417	This study	41	33	14	12	8	9	18
30	*E. patas*	2	PNHM 1981.1238	This study	47	33	18	12	6	9	ND
31	*E. patas*	2	ZAI AS.1812	This study	48	35	19	12	9	9	19
32	*L. albigena*	1	BNHM 17061	This study	53	38	22	15	9	10	19
33	*L. albigena*	1	BNHM 17062	This study	56	40	23	15	8	10	21
34	*L. albigena*	1	BNHM 72148	This study	62	ND	25	14	11	9	24
35	*L. albigena*	1	BNHM A60.05	This study	51	39	23	15	7	9	21
36	*L. albigena*	1	LNHM 1861.7.29.15	This study	54	38	ND	14	9	8	20
37	*L. albigena*	1	LNHM 1907.4.6.4	This study	49	35	22	13	6	8	20
38	*L. albigena*	1	LNHM 1930.8.1.23	This study	49	38	18	13	7	9	19
39	*L. albigena*	1	LNHM 1930.8.1.24	This study	50	35	24	15	7	9	19
40	*L. albigena*	1	LNHM 1930.8.1.25	This study	49	35	22	15	7	8	20
41	*L. albigena*	1	LNHM 1930.11.11.41	This study	56	39	23	16	8	10	19
42	*L. albigena*	1	LNHM 1930.11.11.43	This study	53	39	23	15	8	9	21
43	*L. albigena*	1	LNHM 1930.12.16.6	This study	ND	33	27	13	ND	8	20
44	*L. albigena*	1	LNHM 1932.8.1.18	This study	53	39	34	15	8	9	21
45	*L. albigena*	1	LNHM 1932.11.13.3	This study	52	36	22	15	9	9	19
46	*L. albigena*	1	LNHM 1934.6.3.2	This study	52	35	23	16	7	10	20
47	*L. albigena*	1	LNHM 1936.10.28.1	This study	55	39	25	16	9	9	21
48	*L. albigena*	1	LNHM 1949.712	This study	53	39	24	14	9	9	20
49	*L. albigena*	1	LNHM 1954.76	This study	56	37	25	16	9	11	21
50	*L. albigena*	1	LNHM 1972.21	This study	52	37	22	15	8	10	21
51	*L. atterimus*	1	LNHM 1909.12.14.7	This study	51	36	20	15	7	10	19
52	*L. albigena*	2	BNHM 4554	This study	46	37	22	13	8	9	19
53	*L. albigena*	2	BNHM 32799	This study	48	37	ND	14	ND	9	20
54	*L. albigena*	2	BNHM 48375	This study	48	38	23	15	8	9	20
55	*L. albigena*	2	BNHM 72172	This study	52	36	25	15	7	9	19
56	*L. albigena*	2	BNHM 72176	This study	45	36	ND	14	7	8	19
57	*L. albigena*	2	LNHM 1857.8.3.2	This study	50	36	22	15	8	9	19
58	*L. albigena*	2	LNHM 1903.11.7.1	This study	48	35	21	14	6	10	19
59	*L. albigena*	2	LNHM 1903.11.7.2	This study	46	33	18	14	7	9	19
60	*L. albigena*	2	LNHM 1928.9.88	This study	43	33	19	13	6	9	20
61	*L. albigena*	2	LNHM 1928.11.11.5	This study	47	34	21	14	9	8	19
62	*L. albigena*	2	LNHM 1930.11.11.44	This study	50	39	23	15	8	10	20

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	P8	P9	P10	P11	P12	P13	P14	P15	P16	M1	M2	M3
1	*C. badius*	1	NNHM 378643	16	18	16	ND	4.4	6.9	6.8	ND	ND	25	10	18
2	*C. badius*	1	NNHM 378673	18	17	17	5.1	4.6	8.2	7.6	ND	ND	27	12	20
3	*C. badius*	1	NNHM 378676	14	19	20	6.1	4.8	8.9	6.5	ND	ND	24	12	17
4	*C. badius*	1	NNHM 378677	18	19	21	5.4	4.4	7.1	6.1	ND	ND	25	11	17
5	*C. badius*	1	NNHM 477323	12	18	19	5.2	4.3	8.6	6.6	ND	ND	26	10	16
6	*C. badius*	1	NNHM 481795	17	18	18	5.5	4.6	8.7	6.6	ND	ND	27	11	19
7	*C. badius*	1	NNHM 481797	16	21	19	4.8	4.2	8.7	7.4	ND	ND	30	12	20
8	*C. badius*	1	ZAI 6105	13	17	15	5.0	4.3	7.0	5.5	13	6	28	10	21
9	*C. badius*	1	ZAI 6308	9	15	14	4.6	4.6	ND	ND	12	4	24	11	19
10	*C. badius*	1	ZAI 6309	13	17	15	4.7	4.6	ND	6.4	13	5	25	10	19
11	*C. badius*	2	NNHM 378647	13	14	15	4.6	4.1	6.5	4.9	ND	ND	22	8	16
12	*C. badius*	2	NNHM 378652	13	15	15	5.2	4.4	6.1	5.4	ND	ND	23	8	15
13	*C. badius*	2	NNHM 378653	14	17	17	5.3	4.4	6.6	5.3	ND	ND	23	8	15
14	*C. badius*	2	NNHM 378660	15	16	17	5.0	4.5	6.9	5.1	ND	ND	24	8	17
15	*C. badius*	2	NNHM 378672	14	15	17	4.8	4.3	7.3	5.3	ND	ND	25	8	17
16	*C. badius*	2	NNHM 378674	14	17	17	5.0	4.5	7.0	4.8	ND	ND	25	8	17
17	*C. badius*	2	NNHM 381456	14	14	16	4.8	4.3	6.0	4.6	ND	ND	24	9	18
18	*C. badius*	2	LNHM 51.365	13	15	14	5.4	4.4	6.8	4.5	ND	ND	23	7	17
19	*C. badius*	2	ZAI 6320	13	15	16	4.7	4.5	6.4	5.5	14	5	21	7	16
20	*C. badius*	2	ZAI 6322	15	17	ND	5.2	4.6	7.0	5.5	15	7	25	11	17
21	*C. badius*	2	ZAI 6367	16	16	15	4.8	4.4	6.1	4.7	13	4	22	8	16
22	*E. patas*	1	PNHM 1911.2372	19	22	24	6.0	5.8	13.3	6.8	24	11	35	15	22
23	*E. patas*	1	PNHM 1913.572	18	21	23	6.1	5.3	12.1	6.2	22	8	34	12	19
24	*E. patas*	1	PNHM 1962.1451	20	21	24	ND	ND	10.2	7.0	23	10	ND	12	20
25	*E. patas*	1	PNHM 1962.1452	15	21	21	6.4	4.8	ND	ND	20	9	32	11	20
26	*E. patas*	1	PNHM 1994.615	15	18	19	5.7	4.7	10.6	6.9	18	11	28	11	17
27	*E. patas*	2	GNHM 450.14	18	18	18	5.6	4.4	6.5	4.0	18	7	23	9	15
28	*E. patas*	2	PNHM 1970.416	19	19	20	ND	ND	6.0	3.4	19	7	22	8	16
29	*E. patas*	2	PNHM 1970.417	16	18	19	5.9	5.0	6.0	4.4	18	8	20	9	15
30	*E. patas*	2	PNHM 1981.1238	16	18	18	6.0	4.8	6.5	4.8	ND	6	26	10	17
31	*E. patas*	2	ZAI AS.1812	16	18	19	6.2	5.0	6.3	4.5	17	7	27	11	16
32	*L. albigena*	1	BNHM 17061	21	22	22	7.2	6.2	ND	ND	20	7	28	12	24
33	*L. albigena*	1	BNHM 17062	18	20	18	8.0	6.4	10.0	6.2	17	7	34	13	25
34	*L. albigena*	1	BNHM 72148	18	22	ND	8.2	7.5	11.2	7.5	ND	9	36	17	27
35	*L. albigena*	1	BNHM A60.05	18	20	18	8.1	6.6	ND	ND	18	7	27	11	22
36	*L. albigena*	1	LNHM 1861.7.29.15	18	19	18	7.4	6.6	8.3	5.5	19	ND	29	12	25
37	*L. albigena*	1	LNHM 1907.4.6.4	17	20	18	6.6	6.1	7.5	5.0	18	2	26	12	21
38	*L. albigena*	1	LNHM 1930.8.1.23	16	20	19	7.3	5.8	6.8	3.9	19	5	26	10	23
39	*L. albigena*	1	LNHM 1930.8.1.24	17	20	19	7.5	6.2	7.8	5.2	18	5	26	11	23
40	*L. albigena*	1	LNHM 1930.8.1.25	16	19	18	7.7	5.9	7.2	5.5	17	5	25	11	22
41	*L. albigena*	1	LNHM 1930.11.11.41	20	21	20	6.9	6.4	8.5	5.2	20	8	30	12	25
42	*L. albigena*	1	LNHM 1930.11.11.43	18	21	20	ND	6.4	ND	5.5	19	7	30	12	21
43	*L. albigena*	1	LNHM 1930.12.16.6	16	19	19	7.4	6.9	8.9	6.4	18	ND	32	11	27
44	*L. albigena*	1	LNHM 1932.8.1.18	18	22	21	7.7	6.8	ND	ND	20	6	33	10	23
45	*L. albigena*	1	LNHM 1932.11.13.3	17	21	19	7.0	5.9	7.5	4.5	19	7	30	11	24
46	*L. albigena*	1	LNHM 1934.6.3.2	19	20	19	7.7	6.4	7.9	5.5	18	5	28	11	23
47	*L. albigena*	1	LNHM 1936.10.28.1	ND	21	19	6.9	6.5	8.5	5.4	19	7	31	12	26
48	*L. albigena*	1	LNHM 1949.712	21	22	20	7.5	6.0	8.0	5.4	20	7	27	11	23
49	*L. albigena*	1	LNHM 1954.76	20	22	21	8.2	6.5	7.8	5.2	21	8	29	10	25
50	*L. albigena*	1	LNHM 1972.21	19	23	21	7.3	6.4	8.7	5.3	19	6	29	10	24
51	*L. atterimus*	1	LNHM 1909.12.14.7	18	20	20	7.2	6.2	7.7	4.7	19	6	32	11	23
52	*L. albigena*	2	BNHM 4554	18	19	19	6.1	6.2	5.8	4.9	18	7	26	11	23
53	*L. albigena*	2	BNHM 32799	ND	ND	19	7.7	6.2	5.6	4.6	16	ND	27	11	22
54	*L. albigena*	2	BNHM 48375	18	20	19	7.5	6.1	6.1	4.4	18	ND	30	11	24
55	*L. albigena*	2	BNHM 72172	18	19	18	7.3	6.0	6.0	4.4	19	6	29	11	23
56	*L. albigena*	2	BNHM 72176	19	ND	19	6.7	5.4	5.2	3.9	18	ND	24	9	21
57	*L. albigena*	2	LNHM 1857.8.3.2	17	19	17	6.9	6.2	6.1	4.8	17	5	29	12	22
58	*L. albigena*	2	LNHM 1903.11.7.1	17	20	19	6.9	6.2	6.0	4.7	18	5	24	11	21
59	*L. albigena*	2	LNHM 1903.11.7.2	16	18	17	7.1	5.9	5.4	4.5	16	5	24	10	20
60	*L. albigena*	2	LNHM 1928.9.88	14	16	17	7.3	6.1	5.5	4.8	15	ND	22	10	19
61	*L. albigena*	2	LNHM 1928.11.11.5	18	18	18	ND	ND	ND	ND	17	7	ND	11	23
62	*L. albigena*	2	LNHM 1930.11.11.44	18	20	19	7.8	6.2	5.9	4.6	18	7	28	11	23

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
1	*C. badius*	1	NNHM 378643	7	19	ND	12	21	5.0	3.7	5.9	4.6	6.3	4.8
2	*C. badius*	1	NNHM 378673	9	21	ND	14	23	6.2	4.2	6.6	4.6	7.2	5.3
3	*C. badius*	1	NNHM 378676	6	16	ND	15	19	5.9	3.9	5.9	4.6	6.8	5.5
4	*C. badius*	1	NNHM 378677	6	16	ND	15	19	5.4	3.7	5.4	4.3	6.6	5.4
5	*C. badius*	1	NNHM 477323	8	17	ND	12	23	5.9	4.9	7.2	5.2	7.5	6.0
6	*C. badius*	1	NNHM 481795	8	20	ND	13	24	5.6	4.3	6.9	5.2	7.1	5.7
7	*C. badius*	1	NNHM 481797	8	21	ND	13	23	5.6	4.3	6.7	5.2	7.2	5.5
8	*C. badius*	1	ZAI 6105	8	22	10	12	22	5.5	4.1	6.7	4.6	6.8	5.3
9	*C. badius*	1	ZAI 6308	8	19	13	12	22	5.2	4.2	6.4	4.8	6.8	5.5
10	*C. badius*	1	ZAI 6309	8	19	9	12	21	5.2	4.4	6.5	5.2	6.9	5.7
11	*C. badius*	2	NNHM 378647	7	17	ND	11	22	5.3	4.1	6.4	4.7	6.8	5.2
12	*C. badius*	2	NNHM 378652	7	16	ND	11	23	6.0	3.7	6.8	4.5	7.7	5.5
13	*C. badius*	2	NNHM 378653	7	16	ND	12	21	5.4	3.8	6.4	4.8	7.2	5.6
14	*C. badius*	2	NNHM 378660	7	18	ND	12	22	6.2	4.2	6.9	4.8	7.1	5.3
15	*C. badius*	2	NNHM 378672	7	18	ND	13	22	5.5	4.1	6.6	4.4	6.5	5.4
16	*C. badius*	2	NNHM 378674	8	19	ND	12	21	4.9	3.9	6.3	5.0	6.8	5.4
17	*C. badius*	2	NNHM 381456	7	18	ND	10	21	5.2	4.2	6.3	5.2	6.8	5.6
18	*C. badius*	2	LNHM 51.365	9	17	9	12	22	5.3	4.2	6.4	4.8	6.6	5.1
19	*C. badius*	2	ZAI 6320	7	19	10	12	22	5.2	4.2	6.8	4.9	7.1	5.4
20	*C. badius*	2	ZAI 6322	8	20	12	13	23	5.6	4.1	6.4	4.6	7.4	5.4
21	*C. badius*	2	ZAI 6367	7	17	11	10	22	5.4	3.8	6.7	4.7	7.0	5.5
22	*E. patas*	1	PNHM 1911.2372	7	21	7	19	24	6.6	4.5	7.0	5.5	8.1	7.0
23	*E. patas*	1	PNHM 1913.572	7	19	7	18	23	6.2	4.2	7.0	5.7	7.9	6.5
24	*E. patas*	1	PNHM 1962.1451	7	19	9	15	22	6.2	4.3	6.9	ND	7.9	6.0
25	*E. patas*	1	PNHM 1962.1452	6	18	6	15	22	6.3	4.3	7.2	5.3	7.9	6.3
26	*E. patas*	1	PNHM 1994.615	6	16	8	15	22	6.3	ND	6.7	ND	7.8	ND
27	*E. patas*	2	GNHM 450.14	6	14	8	12	21	5.7	3.8	6.7	4.9	7.5	5.7
28	*E. patas*	2	PNHM 1970.416	6	14	7	11	20	5.6	3.8	5.9	5.1	7.2	5.8
29	*E. patas*	2	PNHM 1970.417	6	13	7	12	19	5.3	3.8	5.8	4.6	7.0	6.0
30	*E. patas*	2	PNHM 1981.1238	6	16	8	13	21	5.9	ND	6.9	ND	7.4	ND
31	*E. patas*	2	ZAI AS.1812	6	14	8	14	20	5.5	3.7	6.7	ND	7.2	5.9
32	*L. albigena*	1	BNHM 17061	9	24	10	13	21	5.0	4.6	6.3	5.5	6.9	6.3
33	*L. albigena*	1	BNHM 17062	10	25	12	14	23	5.8	5.7	6.9	6.0	7.6	7.0
34	*L. albigena*	1	BNHM 72148	11	26	14	15	27	6.4	6.7	7.6	7.4	8.9	8.8
35	*L. albigena*	1	BNHM A60.05	10	22	13	12	24	5.7	5.1	7.0	6.2	7.8	7.5
36	*L. albigena*	1	LNHM 1861.7.29.15	8	26	10	15	23	5.9	4.6	6.4	5.8	7.0	ND
37	*L. albigena*	1	LNHM 1907.4.6.4	8	21	10	12	22	4.8	4.4	6.4	5.2	7.3	6.4
38	*L. albigena*	1	LNHM 1930.8.1.23	7	23	8	12	22	5.2	4.0	6.5	5.4	7.0	5.9
39	*L. albigena*	1	LNHM 1930.8.1.24	8	23	9	13	21	4.9	4.7	6.2	5.0	7.1	6.2
40	*L. albigena*	1	LNHM 1930.8.1.25	8	23	9	12	22	5.5	4.3	6.2	5.4	7.1	6.1
41	*L. albigena*	1	LNHM 1930.11.11.41	8	26	10	14	22	5.1	4.5	6.3	5.5	7.2	6.4
42	*L. albigena*	1	LNHM 1930.11.11.43	9	20	11	15	24	6.8	5.7	7.1	6.4	7.9	7.4
43	*L. albigena*	1	LNHM 1930.12.16.6	9	26	11	14	24	5.5	4.9	6.8	5.9	7.4	6.4
44	*L. albigena*	1	LNHM 1932.8.1.18	8	23	11	13	24	5.9	5.2	6.8	6.0	7.6	6.8
45	*L. albigena*	1	LNHM 1932.11.13.3	8	26	8	12	21	5.4	4.1	6.4	5.2	7.1	5.8
46	*L. albigena*	1	LNHM 1934.6.3.2	8	24	9	13	22	5.4	4.8	6.7	5.6	7.4	6.2
47	*L. albigena*	1	LNHM 1936.10.28.1	8	25	12	14	24	ND	4.7	6.8	5.5	7.6	6.6
48	*L. albigena*	1	LNHM 1949.712	8	23	10	15	23	5.3	4.5	6.4	5.5	7.1	6.5
49	*L. albigena*	1	LNHM 1954.76	7	25	8	14	23	5.7	4.7	6.8	5.6	7.5	6.2
50	*L. albigena*	1	LNHM 1972.21	8	24	9	14	23	5.1	4.8	6.9	5.7	7.5	6.4
51	*L. atterimus*	1	LNHM 1909.12.14.7	8	23	11	13	21	5.0	4.0	6.4	5.4	6.8	6.2
52	*L. albigena*	2	BNHM 4554	9	24	11	11	21	4.9	4.8	6.4	5.6	6.6	6.4
53	*L. albigena*	2	BNHM 32799	8	21	12	12	21	5.2	4.5	6.3	5.6	7.1	6.5
54	*L. albigena*	2	BNHM 48375	8	24	12	11	22	5.7	5.0	6.6	5.5	7.4	6.5
55	*L. albigena*	2	BNHM 72172	9	24	12	13	21	5.0	4.5	6.1	5.7	6.8	6.7
56	*L. albigena*	2	BNHM 72176	7	22	10	10	21	4.3	4.3	6.7	5.2	6.7	6.0
57	*L. albigena*	2	LNHM 1857.8.3.2	8	22	11	13	21	4.9	4.5	6.2	5.2	6.6	6.3
58	*L. albigena*	2	LNHM 1903.11.7.1	8	21	7	12	21	4.8	4.2	6.1	5.0	6.5	5.5
59	*L. albigena*	2	LNHM 1903.11.7.2	7	20	8	11	20	4.7	4.1	5.9	4.8	6.5	5.7
60	*L. albigena*	2	LNHM 1928.9.88	7	20	11	11	21	5.4	4.8	6.5	5.6	7.1	6.4
61	*L. albigena*	2	LNHM 1928.11.11.5	8	23	10	12	21	ND	ND	ND	ND	ND	ND
62	*L. albigena*	2	LNHM 1930.11.11.44	9	23	10	13	22	5.4	4.5	6.4	5.4	7.4	6.6

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
1	*C. badius*	1	NNHM 378643	40	10	62	83	53	10	22	11	14	31	11	5
2	*C. badius*	1	NNHM 378673	39	8	64	85	49	7	23	11	10	31	11	3
3	*C. badius*	1	NNHM 378676	47	7	56	74	46	5	20	16	11	40	20	2
4	*C. badius*	1	NNHM 378677	46	8	58	75	46	5	22	14	10	38	19	4
5	*C. badius*	1	NNHM 477323	39	9	60	73	49	10	21	13	8	31	13	6
6	*C. badius*	1	NNHM 481795	42	7	67	82	54	9	23	13	8	35	15	5
7	*C. badius*	1	NNHM 481797	43	12	65	78	53	10	21	13	8	31	12	5
8	*C. badius*	1	ZAI 6105	39	9	60	78	51	10	20	12	9	29	12	6
9	*C. badius*	1	ZAI 6308	39	8	ND	74	50	9	21	13	8	39	12	6
10	*C. badius*	1	ZAI 6309	40	8	62	76	48	10	21	13	9	32	11	5
11	*C. badius*	2	NNHM 378647	34	7	56	67	45	8	21	10	7	26	9	5
12	*C. badius*	2	NNHM 378652	33	7	62	69	51	10	20	12	7	26	9	4
13	*C. badius*	2	NNHM 378653	33	4	55	68	49	9	21	11	9	28	11	4
14	*C. badius*	2	NNHM 378660	37	8	58	72	51	10	21	11	10	28	11	4
15	*C. badius*	2	NNHM 378672	37	8	55	72	50	8	23	12	11	30	11	3
16	*C. badius*	2	NNHM 378674	36	7	60	71	49	8	21	12	8	29	11	4
17	*C. badius*	2	NNHM 381456	41	8	59	73	49	10	25	12	9	32	12	4
18	*C. badius*	2	LNHM 51.365	32	2	57	70	47	10	22	11	8	30	13	6
19	*C. badius*	2	ZAI 6320	38	7	56	69	50	8	20	12	8	31	11	4
20	*C. badius*	2	ZAI 6322	37	6	63	78	53	10	24	11	9	31	10	4
21	*C. badius*	2	ZAI 6367	38	6	59	71	49	10	22	11	7	32	13	3
22	*E. patas*	1	PNHM 1911.2372	65	10	72	89	63	9	24	21	15	55	26	4
23	*E. patas*	1	PNHM 1913.572	65	11	73	88	62	10	26	19	14	54	26	2
24	*E. patas*	1	PNHM 1962.1451	59	10	73	95	61	9	22	18	15	50	22	3
25	*E. patas*	1	PNHM 1962.1452	54	8	67	78	53	9	21	17	13	46	23	3
26	*E. patas*	1	PNHM 1994.615	56	8	67	80	49	7	23	17	14	48	24	2
27	*E. patas*	2	GNHM 450.14	46	6	59	67	46	6	21	15	12	40	17	3
28	*E. patas*	2	PNHM 1970.416	49	6	59	69	48	4	22	16	12	43	21	1
29	*E. patas*	2	PNHM 1970.417	45	8	56	67	48	6	21	16	10	38	18	2
30	*E. patas*	2	PNHM 1981.1238	47	7	62	72	48	5	23	14	12	40	19	2
31	*E. patas*	2	ZAI AS.1812	47	6	57	68	46	5	22	14	12	41	20	3
32	*L. albigena*	1	BNHM 17061	57	6	64	83	61	5	22	22	13	51	29	4
33	*L. albigena*	1	BNHM 17062	61	10	65	86	64	7	22	25	10	50	30	3
34	*L. albigena*	1	BNHM 72148	69	11	70	95	66	8	25	23	14	58	35	5
35	*L. albigena*	1	BNHM A60.05	48	6	63	80	59	7	20	20	9	42	23	3
36	*L. albigena*	1	LNHM 1861.7.29.15	57	8	64	ND	ND	6	22	21	14	49	28	3
37	*L. albigena*	1	LNHM 1907.4.6.4	49	4	59	78	53	6	22	18	12	45	26	3
38	*L. albigena*	1	LNHM 1930.8.1.23	48	6	57	73	54	5	21	19	11	42	25	3
39	*L. albigena*	1	LNHM 1930.8.1.24	49	4	61	80	55	6	20	21	12	45	25	3
40	*L. albigena*	1	LNHM 1930.8.1.25	45	3	58	75	55	6	20	17	12	43	20	5
41	*L. albigena*	1	LNHM 1930.11.11.41	57	8	67	83	60	7	21	22	15	49	27	4
42	*L. albigena*	1	LNHM 1930.11.11.43	51	6	62	79	59	6	21	20	14	45	25	3
43	*L. albigena*	1	LNHM 1930.12.16.6	ND	ND	64	83	56	6	22	20	15	48	25	5
44	*L. albigena*	1	LNHM 1932.8.1.18	52	7	61	79	60	6	21	21	11	44	25	5
45	*L. albigena*	1	LNHM 1932.11.13.3	50	ND	60	78	54	6	20	18	12	44	23	4
46	*L. albigena*	1	LNHM 1934.6.3.2	49	5	60	81	56	6	19	20	12	44	25	4
47	*L. albigena*	1	LNHM 1936.10.28.1	55	9	60	82	62	6	20	22	12	46	25	3
48	*L. albigena*	1	LNHM 1949.712	50	6	60	81	56	5	22	21	14	44	24	2
49	*L. albigena*	1	LNHM 1954.76	53	6	64	80	61	8	19	22	14	47	27	4
50	*L. albigena*	1	LNHM 1972.21	54	8	62	77	57	7	19	22	13	45	25	3
51	*L. atterimus*	1	LNHM 1909.12.14.7	53	5	59	79	60	6	23	19	13	48	29	3
52	*L. albigena*	2	BNHM 4554	50	6	58	77	56	5	23	19	11	44	26	3
53	*L. albigena*	2	BNHM 32799	49	8	61	75	55	6	21	18	10	40	22	1
54	*L. albigena*	2	BNHM 48375	52	10	60	80	61	6	23	21	10	42	25	3
55	*L. albigena*	2	BNHM 72172	51	6	61	77	59	5	20	20	10	45	26	4
56	*L. albigena*	2	BNHM 72176	47	6	57	74	53	5	22	16	10	40	23	4
57	*L. albigena*	2	LNHM 1857.8.3.2	46	6	59	74	55	5	21	19	9	39	22	3
58	*L. albigena*	2	LNHM 1903.11.7.1	48	6	60	73	53	7	18	20	12	42	24	ND
59	*L. albigena*	2	LNHM 1903.11.7.2	42	5	57	67	51	6	18	19	11	42	20	4
60	*L. albigena*	2	LNHM 1928.9.88	41	4	53	66	52	4	21	17	10	36	22	3
61	*L. albigena*	2	LNHM 1928.11.11.5	46	4	59	73	54	6	20	19	14	42	19	4
62	*L. albigena*	2	LNHM 1930.11.11.44	48	7	60	78	60	6	21	20	11	41	22	ND

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	F13	F14	F15	F16	C1	C2	C3	C4	C5	C6	C7	C8
1	*C. badius*	1	NNHM 378643	9	47	ND	ND	77	51	42	62	45	35	35	24
2	*C. badius*	1	NNHM 378673	7	48	ND	ND	82	48	42	63	47	35	36	28
3	*C. badius*	1	NNHM 378676	8	45	ND	ND	80	47	41	59	45	38	36	29
4	*C. badius*	1	NNHM 378677	6	43	ND	ND	80	50	43	62	45	38	37	28
5	*C. badius*	1	NNHM 477323	7	43	ND	ND	75	46	39	56	44	37	35	24
6	*C. badius*	1	NNHM 481795	8	45	ND	ND	80	51	42	61	44	34	37	25
7	*C. badius*	1	NNHM 481797	6	43	ND	ND	79	50	41	60	47	41	33	27
8	*C. badius*	1	ZAI 6105	7	44	61	77	74	50	39	57	46	41	27	29
9	*C. badius*	1	ZAI 6308	6	44	61	77	75	45	40	55	48	37	28	24
10	*C. badius*	1	ZAI 6309	7	42	61	75	72	48	40	55	43	34	29	29
11	*C. badius*	2	NNHM 378647	6	39	ND	ND	73	46	41	55	42	35	35	24
12	*C. badius*	2	NNHM 378652	9	39	ND	ND	71	49	39	54	44	37	28	27
13	*C. badius*	2	NNHM 378653	5	40	ND	ND	71	48	40	55	43	35	34	25
14	*C. badius*	2	NNHM 378660	6	42	ND	ND	80	48	41	57	45	37	37	26
15	*C. badius*	2	NNHM 378672	8	44	ND	ND	75	50	40	59	45	36	33	26
16	*C. badius*	2	NNHM 378674	8	43	ND	ND	75	50	42	59	48	39	30	25
17	*C. badius*	2	NNHM 381456	7	43	ND	ND	75	48	41	60	43	35	32	27
18	*C. badius*	2	LNHM 51.365	7	42	ND	ND	76	50	39	49	42	34	38	27
19	*C. badius*	2	ZAI 6320	6	42	58	72	72	45	37	54	41	37	29	26
20	*C. badius*	2	ZAI 6322	8	45	63	78	79	39	43	58	45	37	34	27
21	*C. badius*	2	ZAI 6367	6	43	60	73	75	46	42	55	45	39	32	27
22	*E. patas*	1	PNHM 1911.2372	55	81	112	ND	96	59	48	66	54	49	41	36
23	*E. patas*	1	PNHM 1913.572	9	49	83	107	104	59	54	68	59	51	44	39
24	*E. patas*	1	PNHM 1962.1451	10	51	82	105	101	60	52	71	59	54	40	38
25	*E. patas*	1	PNHM 1962.1452	9	44	74	94	97	57	50	64	60	53	39	33
26	*E. patas*	1	PNHM 1994.615	10	48	76	96	95	53	49	64	57	48	37	33
27	*E. patas*	2	GNHM 450.14	8	42	67	83	85	54	49	57	48	40	38	32
28	*E. patas*	2	PNHM 1970.416	8	40	67	82	87	53	49	58	52	41	36	32
29	*E. patas*	2	PNHM 1970.417	6	38	63	78	82	49	48	ND	51	44	29	33
30	*E. patas*	2	PNHM 1981.1238	8	43	69	86	92	51	50	58	51	46	40	32
31	*E. patas*	2	ZAI AS.1812	8	39	64	82	87	53	47	55	50	43	37	34
32	*L. albigena*	1	BNHM 17061	9	49	68	97	ND	ND	47	66	49	42	35	34
33	*L. albigena*	1	BNHM 17062	9	50	74	102	91	61	47	66	52	42	36	35
34	*L. albigena*	1	BNHM 72148	9	57	76	112	90	58	49	74	52	47	42	34
35	*L. albigena*	1	BNHM A60.05	7	48	66	91	87	54	49	63	49	42	42	30
36	*L. albigena*	1	LNHM 1861.7.29.15	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
37	*L. albigena*	1	LNHM 1907.4.6.4	8	45	63	88	82	50	47	60	50	41	39	30
38	*L. albigena*	1	LNHM 1930.8.1.23	8	45	64	87	81	54	46	60	49	41	40	29
39	*L. albigena*	1	LNHM 1930.8.1.24	8	50	66	90	82	54	46	63	48	41	39	30
40	*L. albigena*	1	LNHM 1930.8.1.25	8	44	64	87	82	53	45	59	49	39	38	30
41	*L. albigena*	1	LNHM 1930.11.11.41	9	50	70	98	90	57	50	66	51	43	45	33
42	*L. albigena*	1	LNHM 1930.11.11.43	8	48	69	94	90	57	47	65	51	43	45	30
43	*L. albigena*	1	LNHM 1930.12.16.6	9	52	67	ND	85	53	45	65	51	42	35	31
44	*L. albigena*	1	LNHM 1932.8.1.18	8	48	68	94	85	54	47	64	49	42	41	30
45	*L. albigena*	1	LNHM 1932.11.13.3	9	47	69	94	96	56	49	65	55	41	38	27
46	*L. albigena*	1	LNHM 1934.6.3.2	7	49	67	92	88	56	47	61	51	43	38	32
47	*L. albigena*	1	LNHM 1936.10.28.1	8	48	65	97	82	55	43	64	49	40	42	30
48	*L. albigena*	1	LNHM 1949.712	8	46	67	93	83	54	46	64	49	43	36	30
49	*L. albigena*	1	LNHM 1954.76	8	48	65	96	87	53	47	61	47	38	40	34
50	*L. albigena*	1	LNHM 1972.21	7	46	64	93	84	54	46	59	48	41	38	35
51	*L. atterimus*	1	LNHM 1909.12.14.7	7	50	65	93	82	53	45	61	49	43	31	35
52	*L. albigena*	2	BNHM 4554	8	47	64	86	84	ND	46	62	46	39	35	31
53	*L. albigena*	2	BNHM 32799	6	45	61	86	84	51	47	60	48	42	34	36
54	*L. albigena*	2	BNHM 48375	8	47	64	89	80	54	46	63	47	41	38	31
55	*L. albigena*	2	BNHM 72172	7	47	63	91	85	ND	45	61	51	45	37	33
56	*L. albigena*	2	BNHM 72176	7	44	63	83	85	ND	44	61	48	40	38	33
57	*L. albigena*	2	LNHM 1857.8.3.2	7	43	64	85	81	57	47	61	48	41	42	32
58	*L. albigena*	2	LNHM 1903.11.7.1	7	47	65	87	84	52	43	60	51	44	39	31
59	*L. albigena*	2	LNHM 1903.11.7.2	6	40	62	80	82	51	45	55	51	45	35	32
60	*L. albigena*	2	LNHM 1928.9.88	6	40	59	77	79	50	44	55	47	39	36	29
61	*L. albigena*	2	LNHM 1928.11.11.5	7	45	62	85	80	ND	46	59	ND	ND	ND	31
62	*L. albigena*	2	LNHM 1930.11.11.44	7	45	64	87	84	54	47	61	50	42	40	32

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	C9	C10	C11	C12	C13	C14	C15	C16
1	*C. badius*	1	NNHM 378643	9	28	15	11	2	ND	ND	ND
2	*C. badius*	1	NNHM 378673	8	27	15	10	2	ND	ND	ND
3	*C. badius*	1	NNHM 378676	8	29	14	11	2	ND	ND	ND
4	*C. badius*	1	NNHM 378677	9	30	13	10	1	ND	ND	ND
5	*C. badius*	1	NNHM 477323	7	26	14	10	1	ND	ND	ND
6	*C. badius*	1	NNHM 481795	6	26	14	10	2	ND	ND	ND
7	*C. badius*	1	NNHM 481797	14	31	13	12	2	ND	ND	ND
8	*C. badius*	1	ZAI 6105	18	29	16	10	1	21	11	14
9	*C. badius*	1	ZAI 6308	12	27	15	10	1	20	10	13
10	*C. badius*	1	ZAI 6309	14	33	13	10	1	21	9	15
11	*C. badius*	2	NNHM 378647	7	24	14	10	1	ND	ND	ND
12	*C. badius*	2	NNHM 378652	13	29	13	10	1	ND	ND	ND
13	*C. badius*	2	NNHM 378653	7	21	14	10	1	ND	ND	ND
14	*C. badius*	2	NNHM 378660	11	26	15	10	1	ND	ND	ND
15	*C. badius*	2	NNHM 378672	6	26	14	11	1	ND	ND	ND
16	*C. badius*	2	NNHM 378674	11	29	14	10	1	ND	ND	ND
17	*C. badius*	2	NNHM 381456	10	27	14	10	1	ND	ND	ND
18	*C. badius*	2	LNHM 51.365	9	27	15	10	1	ND	ND	ND
19	*C. badius*	2	ZAI 6320	13	26	14	11	1	21	9	13
20	*C. badius*	2	ZAI 6322	15	29	15	11	1	21	10	14
21	*C. badius*	2	ZAI 6367	11	27	14	9	2	22	9	13
22	*E. patas*	1	PNHM 1911.2372	10	35	16	13	2	24	12	22
23	*E. patas*	1	PNHM 1913.572	14	37	14	12	3	25	13	19
24	*E. patas*	1	PNHM 1962.1451	17	40	16	12	2	25	15	21
25	*E. patas*	1	PNHM 1962.1452	14	36	16	13	2	23	13	20
26	*E. patas*	1	PNHM 1994.615	13	33	15	11	2	23	11	19
27	*E. patas*	2	GNHM 450.14	14	34	14	12	2	22	11	17
28	*E. patas*	2	PNHM 1970.416	15	33	14	11	1	21	12	17
29	*E. patas*	2	PNHM 1970.417	16	36	14	10	2	ND	11	15
30	*E. patas*	2	PNHM 1981.1238	13	32	14	10	2	22	11	15
31	*E. patas*	2	ZAI AS.1812	16	35	15	11	2	18	10	14
32	*L. albigena*	1	BNHM 17061	ND	ND	ND	ND	2	ND	11	19
33	*L. albigena*	1	BNHM 17062	18	ND	ND	11	2	24	12	21
34	*L. albigena*	1	BNHM 72148	13	35	17	12	1	29	13	22
35	*L. albigena*	1	BNHM A60.05	10	30	17	11	2	27	10	17
36	*L. albigena*	1	LNHM 1861.7.29.15	ND	ND	ND	ND	ND	ND	ND	ND
37	*L. albigena*	1	LNHM 1907.4.6.4	9	28	16	11	2	26	11	17
38	*L. albigena*	1	LNHM 1930.8.1.23	9	29	16	10	1	24	11	15
39	*L. albigena*	1	LNHM 1930.8.1.24	12	29	17	11	1	24	10	18
40	*L. albigena*	1	LNHM 1930.8.1.25	11	30	17	11	2	23	10	17
41	*L. albigena*	1	LNHM 1930.11.11.41	9	31	17	13	2	28	14	19
42	*L. albigena*	1	LNHM 1930.11.11.43	9	28	15	11	1	26	13	20
43	*L. albigena*	1	LNHM 1930.12.16.6	9	29	19	12	1	30	14	18
44	*L. albigena*	1	LNHM 1932.8.1.18	9	28	16	11	2	28	12	18
45	*L. albigena*	1	LNHM 1932.11.13.3	6	29	17	12	1	29	13	19
46	*L. albigena*	1	LNHM 1934.6.3.2	16	32	16	12	1	ND	13	16
47	*L. albigena*	1	LNHM 1936.10.28.1	9	29	18	12	1	26	10	20
48	*L. albigena*	1	LNHM 1949.712	11	29	17	12	1	25	12	18
49	*L. albigena*	1	LNHM 1954.76	16	32	17	12	2	24	12	18
50	*L. albigena*	1	LNHM 1972.21	16	33	15	11	2	24	12	16
51	*L. atterimus*	1	LNHM 1909.12.14.7	17	37	16	12	1	26	11	16
52	*L. albigena*	2	BNHM 4554	16	ND	ND	ND	2	25	12	18
53	*L. albigena*	2	BNHM 32799	21	36	16	11	2	ND	13	16
54	*L. albigena*	2	BNHM 48375	12	30	16	10	2	28	10	18
55	*L. albigena*	2	BNHM 72172	ND	ND	ND	ND	2	ND	11	16
56	*L. albigena*	2	BNHM 72176	14	ND	ND	ND	2	26	12	17
57	*L. albigena*	2	LNHM 1857.8.3.2	13	30	15	11	3	24	11	17
58	*L. albigena*	2	LNHM 1903.11.7.1	11	29	15	11	1	25	10	18
59	*L. albigena*	2	LNHM 1903.11.7.2	15	30	14	10	2	22	10	16
60	*L. albigena*	2	LNHM 1928.9.88	14	29	15	10	1	24	11	15
61	*L. albigena*	2	LNHM 1928.11.11.5	11	30	16	11	ND	ND	ND	18
62	*L. albigena*	2	LNHM 1930.11.11.44	12	29	16	11	2	25	12	17

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	Source	P1	P2	P3	P4	P5	P6	P7
63	*L. albigena*	2	LNHM 1930.8.1.27	This study	ND	34	21	13	7	9	19
64	*L. albigena*	2	LNHM 1930.8.1.28	This study	48	36	19	13	6	11	19
65	*L. albigena*	2	LNHM 1932.8.1.19	This study	47	36	21	15	8	9	20
66	*L. albigena*	2	LNHM 1954.761	This study	46	35	19	13	7	9	19
67	*L. albigena*	2	LNHM 1972.2	This study	47	36	19	14	6	10	20
68	*L. albigena*	2	LNHM 1972.22	This study	46	35	21	14	5	10	18
69	*L. albigena*	2	LNHM 1972.995	This study	53	ND	27	15	ND	10	ND
70	*L. atterimus*	2	LNHM 1919.11.2.1	This study	51	37	23	14	ND	9	20
71	*L. atterimus*	2	LNHM 1927.3.1.11	This study	46	36	18	14	8	9	21
72	*M. fasciculatis*	1	BNHM 4939	This study	51	37	21	13	10	10	21
73	*M. fasciculatis*	1	BNHM 34025	This study	51	36	19	12	8	8	20
74	*M. fasciculatis*	1	BNHM 48464	This study	47	37	19	12	8	8	21
75	*M. fasciculatis*	1	BNHM 92190	This study	49	35	21	13	10	9	21
76	*M. fasciculatis*	1	LNHM 1914.12.8.12	This study	53	40	22	12	7	9	24
77	*M. fasciculatis*	1	LNHM 1914.8.22.3	This study	53	37	20	11	8	8	23
78	*M. fasciculatis*	1	LNHM 1914.12.8.15	This study	57	41	21	14	10	10	22
79	*M. fasciculatis*	1	LNHM 1915.11.4.9	This study	50	37	23	12	8	8	23
80	*M. fasciculatis*	1	LNHM 1924.9.2.8	This study	44	35	18	11	6	8	20
81	*M. fasciculatis*	1	LNHM 1925.7.2.1	This study	59	42	25	13	8	9	22
82	*M. fasciculatis*	1	LNHM 1928.7.1.10	This study	49	37	20	10	9	8	22
83	*M. fasciculatis*	1	LNHM 1936.9.10.4	This study	53	37	19	13	9	11	22
84	*M. fasciculatis*	1	LNHM 1936.9.10.5	This study	57	38	26	12	9	10	22
85	*M. fasciculatis*	1	LNHM 1939.893	This study	49	35	19	12	9	9	21
86	*M. fasciculatis*	1	LNHM 1955.1519	This study	55	39	20	13	10	11	21
87	*M. fasciculatis*	1	LNHM 1955.1524	This study	ND	35	16	ND	8	9	19
88	*M. fasciculatis*	1	LNHM 1955.1525	This study	44	35	20	10	9	8	19
89	*M. fasciculatis*	1	LNHM 1955.1528	This study	49	36	22	12	9	9	23
90	*M. fasciculatis*	1	LNHM 1960.4.20.2	This study	52	38	21	12	9	9	23
91	*M. fasciculatis*	1	LNHM 1976.1826	This study	46	35	20	10	7	9	20
92	*M. fasciculatis*	2	BNHM 108	This study	ND	35	20	12	9	10	20
93	*M. fasciculatis*	2	BNHM 92309	This study	44	34	21	11	8	9	20
94	*M. fasciculatis*	2	LNHM 1903.2.6.1	This study	40	31	17	10	8	8	18
95	*M. fasciculatis*	2	LNHM 1903.2.6.4	This study	43	33	21	11	9	8	19
96	*M. fasciculatis*	2	LNHM 1909.4.1.25	This study	36	29	12	9	6	8	17
97	*M. fasciculatis*	2	LNHM 1909.4.1.29	This study	41	31	14	11	6	8	18
98	*M. fasciculatis*	2	LNHM 1909.4.1.35	This study	37	32	14	11	7	7	17
99	*M. fasciculatis*	2	LNHM 1909.4.1.37	This study	37	30	15	11	7	6	16
100	*M. fasciculatis*	2	LNHM 1910.12.24.1	This study	46	37	19	12	7	10	21
101	*M. fasciculatis*	2	LNHM 1914.12.8.11	This study	48	35	20	12	7	10	21
102	*M. fasciculatis*	2	LNHM 1914.12.8.14	This study	48	38	17	12	7	11	23
103	*M. fasciculatis*	2	LNHM 1914.12.8.17	This study	44	34	16	11	8	8	20
104	*M. fasciculatis*	2	LNHM 1915.11.4.10	This study	45	35	17	11	6	8	19
105	*M. fasciculatis*	2	LNHM 1934.7.18.5	This study	39	33	16	11	6	8	19
106	*M. fasciculatis*	2	LNHM 1936.9.10.13	This study	ND	39	23	11	7	9	23
107	*M. fasciculatis*	2	LNHM 1939.892	This study	44	34	17	11	5	9	22
108	*M. fasciculatis*	2	LNHM 1939.894	This study	42	35	18	9	9	8	21
109	*M. fasciculatis*	2	LNHM 1955.1523	This study	ND	33	16	ND	7	8	19
110	*M. fasciculatis*	2	ZAI 9179	This study	43	32	18	12	6	9	20
111	*M. mulatta*	2	ZAI 7082	This study	41	38	15	10	6	9	21
112	*M. leucophaeus*	1	LNHM 1912.10.28.1	This study	100	56	50	23	15	16	36
113	*M. leucophaeus*	1	LNHM 1912.10.28.59	This study	ND	55	44	22	ND	18	36
114	*M. leucophaeus*	1	LNHM 1912.10.28.60	This study	107	62	50	24	ND	22	40
115	*M. leucophaeus*	1	LNHM 1912.10.28.61	This study	ND	ND	54	22	13	16	35
116	*M. leucophaeus*	1	LNHM 1912.10.28.62	This study	95	57	49	21	15	18	34
117	*M. leucophaeus*	1	LNHM 1912.10.28.63	This study	95	57	47	21	14	16	36
118	*M. leucophaeus*	1	LNHM 1912.10.28.64	This study	ND	55	55	22	15	20	40
119	*M. leucophaeus*	1	LNHM 1912.10.28.65	This study	ND	ND	48	22	16	20	38
120	*M. leucophaeus*	1	LNHM 1912.10.28.66	This study	ND	57	57	ND	16	19	36
121	*M. leucophaeus*	1	LNHM 1912.10.28.67	This study	97	ND	55	21	ND	19	34
122	*M. leucophaeus*	1	LNHM 1927.9.27.1	This study	80	53	36	18	11	16	33
123	*M. leucophaeus*	1	LNHM 1939.1046	This study	111	65	53	27	13	19	35
124	*M. leucophaeus*	1	LNHM 1939.3454	This study	97	58	46	23	12	15	36

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	P8	P9	P10	P11	P12	P13	P14	P15	P16	M1	M2	M3
63	*L. albigena*	2	LNHM 1930.8.1.27	15	18	18	7.2	6.0	6.1	4.7	18	5	21	9	20
64	*L. albigena*	2	LNHM 1930.8.1.28	17	19	19	ND	5.7	5.4	5.1	19	5	24	9	19
65	*L. albigena*	2	LNHM 1932.8.1.19	17	19	19	7.0	6.3	5.7	5.0	18	ND	26	9	22
66	*L. albigena*	2	LNHM 1954.761	17	20	18	7.2	6.1	6.2	4.2	20	ND	23	11	20
67	*L. albigena*	2	LNHM 1972.2	16	21	20	7.0	6.0	6.0	5.1	19	7	23	10	20
68	*L. albigena*	2	LNHM 1972.22	16	ND	19	7.1	5.9	5.5	4.5	18	4	23	9	20
69	*L. albigena*	2	LNHM 1972.995	ND	ND	ND	7.3	6.3	6.4	5.3	ND	ND	30	10	ND
70	*L. atterimus*	2	LNHM 1919.11.2.1	18	ND	ND	6.8	6.2	5.6	4.7	ND	ND	25	10	ND
71	*L. atterimus*	2	LNHM 1927.3.1.11	15	18	18	7.7	6.5	5.3	4.5	ND	ND	26	10	20
72	*M. fascicularis*	1	BNHM 4939	17	20	20	7.8	6.5	9.6	6.9	18	9	31	12	21
73	*M. fascicularis*	1	BNHM 34025	15	18	17	6.4	5.9	ND	6.4	14	8	28	11	19
74	*M. fascicularis*	1	BNHM 48464	15	20	19	6.1	5.3	10.2	6.2	18	10	26	10	18
75	*M. fascicularis*	1	BNHM 92190	14	17	16	6.4	5.0	9.4	5.7	15	9	30	11	19
76	*M. fascicularis*	1	LNHM 1914.12.8.12	14	19	20	6.8	6.0	ND	ND	18	6	31	12	20
77	*M. fascicularis*	1	LNHM 1914.8.22.3	15	16	17	ND	ND	ND	ND	17	7	30	12	21
78	*M. fascicularis*	1	LNHM 1914.12.8.15	20	21	21	ND	ND	9.6	6.5	20	8	32	12	23
79	*M. fascicularis*	1	LNHM 1915.11.4.9	16	19	18	4.8	5.5	9.2	5.9	16	7	30	13	19
80	*M. fascicularis*	1	LNHM 1924.9.2.8	13	18	17	6.3	4.8	ND	ND	15	5	24	10	18
81	*M. fascicularis*	1	LNHM 1925.7.2.1	18	21	ND	ND	ND	9.7	6.7	21	7	32	13	22
82	*M. fascicularis*	1	LNHM 1928.7.1.10	13	17	17	5.6	6.1	8.1	6.5	15	7	27	11	19
83	*M. fascicularis*	1	LNHM 1936.9.10.4	14	19	17	7.1	6.8	9.1	6.7	14	8	32	13	20
84	*M. fascicularis*	1	LNHM 1936.9.10.5	19	17	17	6.1	6.0	10.6	6.7	16	8	32	ND	23
85	*M. fascicularis*	1	LNHM 1939.893	17	18	18	6.1	6.1	8.7	6.2	17	8	27	13	20
86	*M. fascicularis*	1	LNHM 1955.1519	19	21	21	6.1	6.7	9.5	6.9	20	9	27	12	19
87	*M. fascicularis*	1	LNHM 1955.1524	17	18	18	ND	ND	8.3	6.3	17	6	31	11	18
88	*M. fascicularis*	1	LNHM 1955.1525	15	17	18	5.7	5.6	7.7	5.9	17	9	24	11	19
89	*M. fascicularis*	1	LNHM 1955.1528	14	16	17	5.8	5.1	7.6	5.0	16	6	28	11	19
90	*M. fascicularis*	1	LNHM 1960.4.20.2	13	17	17	6.4	5.5	ND	ND	17	6	32	11	21
91	*M. fascicularis*	1	LNHM 1976.1826	13	18	16	6.3	5.4	8.7	6.4	15	ND	24	10	17
92	*M. fascicularis*	2	BNHM 108	15	17	18	6.7	6.1	6.7	5.1	ND	6	26	10	20
93	*M. fascicularis*	2	BNHM 92309	14	14	16	5.4	6.1	5.1	4.2	16	5	25	10	18
94	*M. fascicularis*	2	LNHM 1903.2.6.1	11	14	14	5.6	5.0	5.2	4.7	13	ND	23	9	17
95	*M. fascicularis*	2	LNHM 1903.2.6.4	14	15	17	5.0	4.5	4.6	4.0	17	8	23	9	16
96	*M. fascicularis*	2	LNHM 1909.4.1.25	12	14	13	5.7	5.1	5.3	4.2	12	5	21	7	15
97	*M. fascicularis*	2	LNHM 1909.4.1.29	14	16	16	5.7	5.3	5.3	4.2	15	5	20	8	14
98	*M. fascicularis*	2	LNHM 1909.4.1.35	12	15	16	5.9	5.3	5.1	4.5	15	5	21	8	14
99	*M. fascicularis*	2	LNHM 1909.4.1.37	13	16	16	5.2	4.9	4.5	4.1	16	ND	21	9	15
100	*M. fascicularis*	2	LNHM 1910.12.24.1	14	16	16	4.6	6.0	5.4	5.4	15	5	25	10	18
101	*M. fascicularis*	2	LNHM 1914.12.8.11	13	14	15	7.1	6.0	6.4	4.9	14	6	31	12	21
102	*M. fascicularis*	2	LNHM 1914.12.8.14	14	18	17	6.4	6.8	6.5	6.7	16	7	26	10	19
103	*M. fascicularis*	2	LNHM 1914.12.8.17	14	15	16	6.1	5.8	5.7	4.6	15	8	26	8	18
104	*M. fascicularis*	2	LNHM 1915.11.4.10	16	17	17	4.5	5.5	4.9	4.9	15	5	27	10	18
105	*M. fascicularis*	2	LNHM 1934.7.18.5	13	15	15	6.3	5.4	5.6	4.9	16	5	22	10	16
106	*M. fascicularis*	2	LNHM 1936.9.10.13	15	16	18	ND	ND	6.4	5.3	17	8	31	10	21
107	*M. fascicularis*	2	LNHM 1939.892	14	17	15	5.8	5.6	4.8	4.9	13	4	22	9	18
108	*M. fascicularis*	2	LNHM 1939.894	15	17	18	ND	ND	5.1	3.7	17	6	23	10	16
109	*M. fascicularis*	2	LNHM 1955.1523	16	17	16	5.1	5.4	ND	4.4	14	7	22	9	17
110	*M. fascicularis*	2	ZAI 9179	15	15	16	6.2	5.7	5.4	4.3	15	6	23	8	15
111	*M. mulatta*	2	ZAI 7082	13	17	17	5.6	5.6	5.6	4.9	16	5	23	9	17
112	*M. leucophaeus*	1	LNHM 1912.10.28.1	26	28	28	ND	ND	17.8	10.7	26	12	59	27	40
113	*M. leucophaeus*	1	LNHM 1912.10.28.59	25	28	29	ND	ND	ND	ND	25	13	ND	ND	ND
114	*M. leucophaeus*	1	LNHM 1912.10.28.60	32	35	31	ND	ND	21.0	13.0	25	13	ND	ND	ND
115	*M. leucophaeus*	1	LNHM 1912.10.28.61	26	30	ND	ND	ND	ND	ND	ND	12	ND	ND	ND
116	*M. leucophaeus*	1	LNHM 1912.10.28.62	ND	32	31	ND	ND	ND	ND	28	13	ND	ND	ND
117	*M. leucophaeus*	1	LNHM 1912.10.28.63	23	29	29	ND	9.1	19.2	10.5	26	11	ND	ND	ND
118	*M. leucophaeus*	1	LNHM 1912.10.28.64	29	29	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
119	*M. leucophaeus*	1	LNHM 1912.10.28.65	31	31	29	ND	ND	ND	ND	25	15	ND	ND	ND
120	*M. leucophaeus*	1	LNHM 1912.10.28.66	33	30	29	ND	ND	17.2	11.3	28	13	ND	34	42
121	*M. leucophaeus*	1	LNHM 1912.10.28.67	25	31	ND	ND	ND	ND	ND	ND	11	ND	ND	ND
122	*M. leucophaeus*	1	LNHM 1927.9.27.1	22	29	28	9.8	7.8	13.4	7.9	22	13	46	19	31
123	*M. leucophaeus*	1	LNHM 1939.1046	33	33	33	ND	ND	19.3	12.2	29	16	75	30	43
124	*M. leucophaeus*	1	LNHM 1939.3454	31	32	ND	ND	ND	18.7	11.3	24	11	61	28	39

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
63	*L. albigena*	2	LNHM 1930.8.1.27	7	21	9	11	21	5.0	4.3	6.2	5.2	6.9	6.0
64	*L. albigena*	2	LNHM 1930.8.1.28	8	19	8	12	22	4.8	4.2	6.3	5.0	7.1	6.1
65	*L. albigena*	2	LNHM 1932.8.1.19	8	22	10	12	21	5.1	4.7	6.5	5.6	6.9	6.6
66	*L. albigena*	2	LNHM 1954.761	7	21	7	12	21	5.0	4.3	6.2	5.1	6.8	5.9
67	*L. albigena*	2	LNHM 1972.2	7	21	9	11	20	5.0	4.6	6.6	5.3	7.2	5.8
68	*L. albigena*	2	LNHM 1972.22	7	20	8	12	21	4.9	4.1	6.4	5.2	6.9	5.7
69	*L. albigena*	2	LNHM 1972.995	9	ND	10	13	ND	5.3	4.6	6.4	5.3	7.3	6.6
70	*L. atterimus*	2	LNHM 1919.11.2.1	9	ND	12	13	23	5.2	4.7	6.6	ND	7.5	6.6
71	*L. atterimus*	2	LNHM 1927.3.1.11	7	20	9	10	22	5.3	4.7	6.5	ND	7.2	ND
72	*M. fascicularis*	1	BNHM 4939	7	20	11	15	24	5.4	4.3	6.4	5.2	7.5	6.2
73	*M. fascicularis*	1	BNHM 34025	7	17	11	13	23	5.2	4.7	6.3	5.2	7.3	6.4
74	*M. fascicularis*	1	BNHM 48464	7	18	10	13	23	5.1	4.2	6.7	5.0	7.2	5.6
75	*M. fascicularis*	1	BNHM 92190	7	17	10	13	24	5.2	4.2	6.6	5.0	7.5	6.1
76	*M. fascicularis*	1	LNHM 1914.12.8.12	8	20	11	14	26	6.2	5.1	7.2	5.7	8.6	7.1
77	*M. fascicularis*	1	LNHM 1914.8.22.3	8	20	11	13	26	5.3	5.2	6.7	5.5	8.2	7.0
78	*M. fascicularis*	1	LNHM 1914.12.8.15	9	24	12	15	25	5.9	5.3	ND	ND	8.5	7.8
79	*M. fascicularis*	1	LNHM 1915.11.4.9	8	19	10	12	25	5.4	4.6	6.7	5.4	7.9	6.5
80	*M. fascicularis*	1	LNHM 1924.9.2.8	7	17	11	11	24	5.1	4.3	6.7	5.1	7.9	5.9
81	*M. fascicularis*	1	LNHM 1925.7.2.1	8	20	11	17	26	5.7	5.3	ND	ND	8.2	7.8
82	*M. fascicularis*	1	LNHM 1928.7.1.10	7	18	11	12	25	4.9	4.4	6.6	5.3	7.3	6.5
83	*M. fascicularis*	1	LNHM 1936.9.10.4	7	19	11	15	27	5.9	5.4	7.3	6.1	8.6	7.1
84	*M. fascicularis*	1	LNHM 1936.9.10.5	8	22	12	14	26	6.1	4.8	6.9	ND	8.0	6.8
85	*M. fascicularis*	1	LNHM 1939.893	8	21	10	13	24	5.2	4.3	7.0	5.4	8.0	6.5
86	*M. fascicularis*	1	LNHM 1955.1519	8	20	10	16	24	5.9	5.0	6.7	5.5	7.6	6.6
87	*M. fascicularis*	1	LNHM 1955.1524	8	17	10	13	21	5.0	4.3	ND	ND	ND	ND
88	*M. fascicularis*	1	LNHM 1955.1525	8	17	10	10	21	4.8	3.9	5.9	ND	7.0	5.6
89	*M. fascicularis*	1	LNHM 1955.1528	7	18	11	11	25	5.6	4.7	7.1	5.7	8.5	6.7
90	*M. fascicularis*	1	LNHM 1960.4.20.2	8	20	11	13	26	5.5	4.6	6.6	5.4	8.1	6.7
91	*M. fascicularis*	1	LNHM 1976.1826	7	16	11	13	23	5.0	4.2	6.4	5.0	7.5	6.1
92	*M. fascicularis*	2	BNHM 108	8	19	11	12	23	4.9	4.2	6.5	5.1	7.3	5.9
93	*M. fascicularis*	2	BNHM 92309	8	17	10	10	21	5.3	4.2	6.2	5.4	7.6	6.1
94	*M. fascicularis*	2	LNHM 1903.2.6.1	6	16	8	9	20	4.7	4.0	5.9	4.7	6.7	5.3
95	*M. fascicularis*	2	LNHM 1903.2.6.4	7	16	9	10	22	5.3	ND	6.1	4.7	7.2	5.3
96	*M. fascicularis*	2	LNHM 1909.4.1.25	5	14	9	9	21	4.7	3.8	6.1	4.5	6.8	5.0
97	*M. fascicularis*	2	LNHM 1909.4.1.29	6	13	9	10	21	5.2	4.0	6.0	4.6	7.1	5.4
98	*M. fascicularis*	2	LNHM 1909.4.1.35	6	13	8	9	20	4.5	3.9	5.7	4.5	6.4	5.3
99	*M. fascicularis*	2	LNHM 1909.4.1.37	6	16	10	9	18	4.1	3.8	5.3	4.2	5.9	4.8
100	*M. fascicularis*	2	LNHM 1910.12.24.1	8	19	12	12	25	5.7	5.5	ND	5.9	8.1	7.5
101	*M. fascicularis*	2	LNHM 1914.12.8.11	8	20	10	11	23	5.3	4.8	ND	ND	8.1	7.0
102	*M. fascicularis*	2	LNHM 1914.12.8.14	8	18	12	12	26	6.4	5.7	7.9	6.2	8.8	7.4
103	*M. fascicularis*	2	LNHM 1914.12.8.17	7	19	11	11	23	5.2	4.8	6.8	5.9	7.8	6.8
104	*M. fascicularis*	2	LNHM 1915.11.4.10	8	19	11	12	22	5.4	4.9	6.7	5.8	7.2	6.5
105	*M. fascicularis*	2	LNHM 1934.7.18.5	7	16	10	10	21	4.6	4.2	6.2	5.0	7.1	5.7
106	*M. fascicularis*	2	LNHM 1936.9.10.13	10	20	12	11	25	5.8	5.1	ND	ND	ND	ND
107	*M. fascicularis*	2	LNHM 1939.892	7	18	10	11	24	5.0	4.4	6.6	5.3	7.7	6.2
108	*M. fascicularis*	2	LNHM 1939.894	7	16	8	10	24	ND	ND	ND	ND	ND	ND
109	*M. fascicularis*	2	LNHM 1955.1523	7	17	11	10	23	5.2	4.3	6.1	4.8	7.8	16.1
110	*M. fascicularis*	2	ZAI 9179	7	16	11	11	ND	5.2	4.4	6.5	4.8	7.5	6.2
111	*M. mulatta*	2	ZAI 7082	8	18	10	10	24	5.5	4.5	6.8	5.8	7.9	6.9
112	*M. leucophaeus*	1	LNHM 1912.10.28.1	14	34	16	28	39	12.0	8.2	10.6	ND	12.6	10.5
113	*M. leucophaeus*	1	LNHM 1912.10.28.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114	*M. leucophaeus*	1	LNHM 1912.10.28.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
115	*M. leucophaeus*	1	LNHM 1912.10.28.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
116	*M. leucophaeus*	1	LNHM 1912.10.28.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117	*M. leucophaeus*	1	LNHM 1912.10.28.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
118	*M. leucophaeus*	1	LNHM 1912.10.28.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
119	*M. leucophaeus*	1	LNHM 1912.10.28.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
120	*M. leucophaeus*	1	LNHM 1912.10.28.66	15	39	16	34	39	10.7	7.7	10.2	8.1	12.4	ND
121	*M. leucophaeus*	1	LNHM 1912.10.28.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
122	*M. leucophaeus*	1	LNHM 1927.9.27.1	11	27	15	24	37	10.6	6.9	10.1	7.7	12.5	9.6
123	*M. leucophaeus*	1	LNHM 1939.1046	19	38	21	29	36	10.3	8.0	10.1	7.9	12.5	11.0
124	*M. leucophaeus*	1	LNHM 1939.3454	17	33	18	27	39	9.1	7.3	10.1	8.0	12.0	10.4

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
63	*L. albigena*	2	LNHM 1930.8.1.27	ND	ND	54	69	51	4	22	17	11	41	25	3
64	*L. albigena*	2	LNHM 1930.8.1.28	45	4	56	72	54	6	ND	23	16	39	23	ND
65	*L. albigena*	2	LNHM 1932.8.1.19	46	7	57	74	56	5	21	19	10	39	21	3
66	*L. albigena*	2	LNHM 1954.761	46	5	58	72	55	6	20	19	11	40	21	1
67	*L. albigena*	2	LNHM 1972.2	46	6	57	73	55	5	20	19	11	47	25	4
68	*L. albigena*	2	LNHM 1972.22	44	4	57	69	53	5	20	18	11	39	22	4
69	*L. albigena*	2	LNHM 1972.995	46	5	64	80	56	6	21	20	12	40	23	ND
70	*L. atterimus*	2	LNHM 1919.11.2.1	47	6	58	76	59	6	22	19	10	41	25	2
71	*L. atterimus*	2	LNHM 1927.3.1.11	45	7	56	71	54	6	22	16	10	37	20	1
72	*M. fascicularis*	1	BNHM 4939	54	8	58	77	53	5	22	19	12	46	26	ND
73	*M. fascicularis*	1	BNHM 34025	59	10	54	79	55	4	22	19	11	49	32	2
74	*M. fascicularis*	1	BNHM 48464	52	7	ND	78	49	5	20	19	11	45	27	1
75	*M. fascicularis*	1	BNHM 92190	56	10	56	73	52	4	23	18	10	47	28	1
76	*M. fascicularis*	1	LNHM 1914.12.8.12	62	9	58	79	51	6	23	21	11	52	35	2
77	*M. fascicularis*	1	LNHM 1914.8.22.3	62	9	57	82	58	5	25	22	13	53	33	ND
78	*M. fascicularis*	1	LNHM 1914.12.8.15	69	12	62	92	56	6	23	25	11	58	37	2
79	*M. fascicularis*	1	LNHM 1915.11.4.9	55	8	57	78	49	5	20	20	10	47	30	3
80	*M. fascicularis*	1	LNHM 1924.9.2.8	47	7	54	73	51	4	19	17	12	40	24	2
81	*M. fascicularis*	1	LNHM 1925.7.2.1	66	11	61	ND	55	6	24	23	13	56	34	1
82	*M. fascicularis*	1	LNHM 1928.7.1.10	53	6	55	74	50	4	21	20	12	47	30	ND
83	*M. fascicularis*	1	LNHM 1936.9.10.4	62	10	56	77	52	5	23	20	11	53	35	2
84	*M. fascicularis*	1	LNHM 1936.9.10.5	70	11	62	87	54	5	25	22	13	59	40	2
85	*M. fascicularis*	1	LNHM 1939.893	59	8	57	80	51	4	23	19	10	51	31	1
86	*M. fascicularis*	1	LNHM 1955.1519	59	9	60	80	54	5	25	21	11	51	32	2
87	*M. fascicularis*	1	LNHM 1955.1524	ND	ND	55	72	52	5	21	19	12	42	24	2
88	*M. fascicularis*	1	LNHM 1955.1525	46	9	53	67	48	6	20	17	12	39	22	2
89	*M. fascicularis*	1	LNHM 1955.1528	58	8	54	74	47	4	23	19	10	51	33	2
90	*M. fascicularis*	1	LNHM 1960.4.20.2	58	9	56	77	55	5	22	22	10	49	ND	2
91	*M. fascicularis*	1	LNHM 1976.1826	54	6	57	77	50	4	23	20	11	47	31	2
92	*M. fascicularis*	2	BNHM 108	50	9	53	65	46	4	21	18	10	41	24	1
93	*M. fascicularis*	2	BNHM 92309	47	8	55	ND	43	3	20	17	12	39	23	3
94	*M. fascicularis*	2	LNHM 1903.2.6.1	47	11	15	ND	42	4	20	16	10	38	22	2
95	*M. fascicularis*	2	LNHM 1903.2.6.4	52	9	52	68	51	4	22	18	10	42	28	1
96	*M. fascicularis*	2	LNHM 1909.4.1.25	36	4	46	56	41	3	20	13	9	31	18	ND
97	*M. fascicularis*	2	LNHM 1909.4.1.29	43	6	49	ND	40	3	21	15	8	36	22	1
98	*M. fascicularis*	2	LNHM 1909.4.1.35	38	6	48	61	43	3	19	14	9	32	19	1
99	*M. fascicularis*	2	LNHM 1909.4.1.37	43	5	51	61	44	4	24	15	10	39	24	1
100	*M. fascicularis*	2	LNHM 1910.12.24.1	45	6	58	73	48	4	20	18	11	39	21	2
101	*M. fascicularis*	2	LNHM 1914.12.8.11	57	10	57	77	52	6	24	18	10	46	28	2
102	*M. fascicularis*	2	LNHM 1914.12.8.14	55	10	56	71	48	5	21	19	10	43	26	2
103	*M. fascicularis*	2	LNHM 1914.12.8.17	48	8	53	67	46	4	21	18	12	40	24	1
104	*M. fascicularis*	2	LNHM 1915.11.4.10	49	10	53	69	49	4	22	17	11	39	24	2
105	*M. fascicularis*	2	LNHM 1934.7.18.5	46	7	51	64	43	4	19	16	11	39	24	1
106	*M. fascicularis*	2	LNHM 1936.9.10.13	56	13	60	75	52	5	24	21	11	43	26	1
107	*M. fascicularis*	2	LNHM 1939.892	44	6	50	68	47	4	20	18	9	39	24	1
108	*M. fascicularis*	2	LNHM 1939.894	50	8	52	69	44	3	24	16	10	43	26	2
109	*M. fascicularis*	2	LNHM 1955.1523	ND	ND	51	67	44	3	20	17	9	39	22	3
110	*M. fascicularis*	2	ZAI 9179	44	6	49	64	44	4	20	17	9	38	24	1
111	*M. mulatta*	2	ZAI 7082	38	4	58	75	53	5	22	15	12	36	19	1
112	*M. leucophaeus*	1	LNHM 1912.10.28.1	119	14	94	126	88	9	27	33	19	106	73	6
113	*M. leucophaeus*	1	LNHM 1912.10.28.59	119	17	95	137	84	9	26	34	17	104	68	5
114	*M. leucophaeus*	1	LNHM 1912.10.28.60	127	18	100	141	89	13	27	36	17	110	77	6
115	*M. leucophaeus*	1	LNHM 1912.10.28.61	113	11	94	126	83	11	31	32	17	104	76	5
116	*M. leucophaeus*	1	LNHM 1912.10.28.62	116	15	ND	133	81	9	26	36	14	103	74	5
117	*M. leucophaeus*	1	LNHM 1912.10.28.63	119	12	89	122	74	13	26	29	19	109	81	ND
118	*M. leucophaeus*	1	LNHM 1912.10.28.64	119	14	92	130	79	9	26	34	18	ND	ND	6
119	*M. leucophaeus*	1	LNHM 1912.10.28.65	105	12	89	128	86	11	29	35	20	105	77	6
120	*M. leucophaeus*	1	LNHM 1912.10.28.66	ND	ND	ND	ND	86	11	28	36	21	112	82	7
121	*M. leucophaeus*	1	LNHM 1912.10.28.67	109	14	95	132	87	10	23	31	21	96	69	6
122	*M. leucophaeus*	1	LNHM 1927.9.27.1	96	11	77	108	77	11	26	27	15	86	ND	6
123	*M. leucophaeus*	1	LNHM 1939.1046	120	23	118	140	95	12	23	36	17	97	69	10
124	*M. leucophaeus*	1	LNHM 1939.3454	98	11	96	127	80	11	22	27	21	87	56	8

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	F13	F14	F15	F16	C1	C2	C3	C4	C5	C6	C7	C8
63	*L. albigena*	2	LNHM 1930.8.1.27	7	43	61	ND	76	49	ND	55	47	42	35	28
64	*L. albigena*	2	LNHM 1930.8.1.28	9	44	60	82	89	49	44	57	43	36	40	31
65	*L. albigena*	2	LNHM 1932.8.1.19	7	42	63	86	84	55	45	61	48	42	41	32
66	*L. albigena*	2	LNHM 1954.761	6	43	61	83	81	51	44	57	44	33	35	32
67	*L. albigena*	2	LNHM 1972.2	6	45	62	85	81	49	45	57	47	41	37	30
68	*L. albigena*	2	LNHM 1972.22	6	43	60	82	82	52	44	57	49	41	38	32
69	*L. albigena*	2	LNHM 1972.995	9	45	66	90	ND	ND	49	63	ND	ND	36	ND
70	*L. atterimus*	2	LNHM 1919.11.2.1	7	46	64	89	85	ND	46	60	ND	ND	ND	35
71	*L. atterimus*	2	LNHM 1927.3.1.11	7	42	ND	ND	79	53	42	57	46	39	41	33
72	*M. fascicularis*	1	BNHM 4939	8	42	62	89	75	47	42	59	45	35	30	27
73	*M. fascicularis*	1	BNHM 34025	8	44	64	92	72	50	40	58	40	31	37	27
74	*M. fascicularis*	1	BNHM 48464	8	47	64	90	79	48	40	56	43	36	39	24
75	*M. fascicularis*	1	BNHM 92190	7	39	62	87	75	46	38	55	45	34	37	21
76	*M. fascicularis*	1	LNHM 1914.12.8.12	9	49	66	96	80	50	41	63	47	35	33	29
77	*M. fascicularis*	1	LNHM 1914.8.22.3	9	49	64	98	76	51	40	50	43	32	36	24
78	*M. fascicularis*	1	LNHM 1914.12.8.15	8	54	73	107	86	55	ND	68	47	33	ND	27
79	*M. fascicularis*	1	LNHM 1915.11.4.9	7	47	62	90	74	50	40	56	45	33	33	25
80	*M. fascicularis*	1	LNHM 1924.9.2.8	7	40	61	80	77	52	43	57	46	36	38	24
81	*M. fascicularis*	1	LNHM 1925.7.2.1	8	51	69	104	82	52	42	66	51	37	36	29
82	*M. fascicularis*	1	LNHM 1928.7.1.10	7	42	63	85	76	49	38	54	43	31	38	23
83	*M. fascicularis*	1	LNHM 1936.9.10.4	8	44	65	95	ND	ND	41	58	48	33	36	23
84	*M. fascicularis*	1	LNHM 1936.9.10.5	10	52	72	103	ND	ND	41	64	48	33	39	25
85	*M. fascicularis*	1	LNHM 1939.893	8	46	62	90	73	49	49	56	42	31	38	23
86	*M. fascicularis*	1	LNHM 1955.1519	9	47	65	98	79	49	38	58	45	31	36	28
87	*M. fascicularis*	1	LNHM 1955.1524	9	40	60	ND	73	47	38	54	43	33	35	23
88	*M. fascicularis*	1	LNHM 1955.1525	8	42	57	81	73	44	38	50	40	30	38	22
89	*M. fascicularis*	1	LNHM 1955.1528	8	45	61	88	74	46	48	55	41	31	34	26
90	*M. fascicularis*	1	LNHM 1960.4.20.2	8	44	61	93	73	49	38	55	43	32	35	21
91	*M. fascicularis*	1	LNHM 1976.1826	8	44	61	84	76	45	40	54	40	32	36	24
92	*M. fascicularis*	2	BNHM 108	8	41	63	83	79	48	41	ND	45	31	35	25
93	*M. fascicularis*	2	BNHM 92309	8	41	58	80	71	47	40	52	41	30	36	25
94	*M. fascicularis*	2	LNHM 1903.2.6.1	7	40	55	74	71	45	39	48	39	30	35	25
95	*M. fascicularis*	2	LNHM 1903.2.6.4	8	37	57	79	74	46	36	51	42	31	36	25
96	*M. fascicularis*	2	LNHM 1909.4.1.25	7	31	48	64	63	43	39	46	37	29	31	21
97	*M. fascicularis*	2	LNHM 1909.4.1.29	6	38	53	74	66	45	39	49	42	31	29	21
98	*M. fascicularis*	2	LNHM 1909.4.1.35	7	35	54	69	69	41	39	50	43	33	28	22
99	*M. fascicularis*	2	LNHM 1909.4.1.37	8	35	57	68	71	43	41	48	41	29	34	22
100	*M. fascicularis*	2	LNHM 1910.12.24.1	8	43	63	83	79	50	43	57	45	37	40	27
101	*M. fascicularis*	2	LNHM 1914.12.8.11	7	44	66	90	82	51	40	59	49	37	38	24
102	*M. fascicularis*	2	LNHM 1914.12.8.14	7	44	61	86	80	51	43	56	45	36	41	25
103	*M. fascicularis*	2	LNHM 1914.12.8.17	8	42	60	81	76	49	41	55	46	35	37	26
104	*M. fascicularis*	2	LNHM 1915.11.4.10	6	39	57	79	70	49	39	52	43	33	28	26
105	*M. fascicularis*	2	LNHM 1934.7.18.5	8	38	57	74	71	45	39	53	40	27	35	24
106	*M. fascicularis*	2	LNHM 1936.9.10.13	9	46	65	89	ND	ND	44	58	49	35	37	ND
107	*M. fascicularis*	2	LNHM 1939.892	6	38	56	76	71	45	38	51	43	34	32	24
108	*M. fascicularis*	2	LNHM 1939.894	7	44	60	83	75	45	37	52	42	31	37	24
109	*M. fascicularis*	2	LNHM 1955.1523	6	38	59	ND	74	44	39	50	47	34	26	25
110	*M. fascicularis*	2	ZAI 9179	6	39	57	77	70	47	39	53	40	29	33	24
111	*M. mulatta*	2	ZAI 7082	9	39	62	76	83	52	44	58	50	39	41	29
112	*M. leucophaeus*	1	LNHM 1912.10.28.1	11	82	87	178	100	63	63	90	59	47	41	38
113	*M. leucophaeus*	1	LNHM 1912.10.28.59	10	89	91	181	106	ND	59	97	ND	ND	ND	42
114	*M. leucophaeus*	1	LNHM 1912.10.28.60	10	89	89	189	106	72	59	99	61	49	49	45
115	*M. leucophaeus*	1	LNHM 1912.10.28.61	11	81	87	167	103	67	65	94	64	53	38	42
116	*M. leucophaeus*	1	LNHM 1912.10.28.62	13	89	84	173	104	ND	56	90	57	48	41	ND
117	*M. leucophaeus*	1	LNHM 1912.10.28.63	13	80	ND	170	ND	ND	56	87	56	48	38	ND
118	*M. leucophaeus*	1	LNHM 1912.10.28.64	ND	85	86	174	ND	ND	58	ND	59	48	ND	ND
119	*M. leucophaeus*	1	LNHM 1912.10.28.65	17	80	86	172	108	ND	59	89	66	55	44	40
120	*M. leucophaeus*	1	LNHM 1912.10.28.66	13	84	91	ND	110	ND	66	87	62	53	40	45
121	*M. leucophaeus*	1	LNHM 1912.10.28.67	17	77	85	169	106	68	60	89	62	50	39	41
122	*M. leucophaeus*	1	LNHM 1927.9.27.1	10	65	78	142	99	ND	58	82	ND	ND	ND	37
123	*M. leucophaeus*	1	LNHM 1939.1046	13	90	99	191	121	72	67	98	68	37	48	ND
124	*M. leucophaeus*	1	LNHM 1939.3454	14	81	87	165	102	68	59	89	59	43	45	40

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	C9	C10	C11	C12	C13	C14	C15	C16
63	*L. albigena*	2	LNHM 1930.8.1.27	11	29	16	9	1	22	10	14
64	*L. albigena*	2	LNHM 1930.8.1.28	12	ND	ND	10	ND	ND	10	17
65	*L. albigena*	2	LNHM 1932.8.1.19	12	32	15	12	1	27	12	19
66	*L. albigena*	2	LNHM 1954.761	19	34	15	11	2	25	12	16
67	*L. albigena*	2	LNHM 1972.2	9	31	15	9	2	25	11	17
68	*L. albigena*	2	LNHM 1972.22	16	31	15	10	1	26	10	16
69	*L. albigena*	2	LNHM 1972.995	13	ND	18	12	ND	27	11	19
70	*L. atterimus*	2	LNHM 1919.11.2.1	16	35	17	12	1	25	12	17
71	*L. atterimus*	2	LNHM 1927.3.1.11	16	33	16	11	2	ND	ND	ND
72	*M. fascicularis*	1	BNHM 4939	7	26	14	10	2	21	10	18
73	*M. fascicularis*	1	BNHM 34025	5	26	12	9	1	21	10	19
74	*M. fascicularis*	1	BNHM 48464	8	24	13	9	1	22	10	18
75	*M. fascicularis*	1	BNHM 92190	5	25	12	8	1	21	9	16
76	*M. fascicularis*	1	LNHM 1914.12.8.12	13	31	16	11	2	26	13	19
77	*M. fascicularis*	1	LNHM 1914.8.22.3	6	29	12	12	2	21	10	18
78	*M. fascicularis*	1	LNHM 1914.12.8.15	4	30	14	11	2	25	12	21
79	*M. fascicularis*	1	LNHM 1915.11.4.9	10	28	13	10	2	23	10	19
80	*M. fascicularis*	1	LNHM 1924.9.2.8	6	27	13	11	1	22	11	17
81	*M. fascicularis*	1	LNHM 1925.7.2.1	4	26	15	10	2	27	12	19
82	*M. fascicularis*	1	LNHM 1928.7.1.10	6	26	13	9	1	20	9	16
83	*M. fascicularis*	1	LNHM 1936.9.10.4	ND	ND	ND	ND	2	24	11	18
84	*M. fascicularis*	1	LNHM 1936.9.10.5	ND	ND	ND	ND	2	28	12	18
85	*M. fascicularis*	1	LNHM 1939.893	5	22	12	10	2	20	10	16
86	*M. fascicularis*	1	LNHM 1955.1519	7	30	14	11	2	25	11	18
87	*M. fascicularis*	1	LNHM 1955.1524	7	24	12	10	2	21	10	17
88	*M. fascicularis*	1	LNHM 1955.1525	6	20	11	10	2	18	8	15
89	*M. fascicularis*	1	LNHM 1955.1528	8	24	13	11	1	19	9	16
90	*M. fascicularis*	1	LNHM 1960.4.20.2	7	ND	ND	9	1	20	9	18
91	*M. fascicularis*	1	LNHM 1976.1826	9	25	13	10	2	23	10	15
92	*M. fascicularis*	2	BNHM 108	9	27	12	9	3	19	ND	14
93	*M. fascicularis*	2	BNHM 92309	10	24	12	10	1	18	8	14
94	*M. fascicularis*	2	LNHM 1903.2.6.1	9	24	12	9	2	19	9	15
95	*M. fascicularis*	2	LNHM 1903.2.6.4	10	26	12	10	2	19	9	16
96	*M. fascicularis*	2	LNHM 1909.4.1.25	7	20	14	9	2	19	8	13
97	*M. fascicularis*	2	LNHM 1909.4.1.29	8	23	12	8	2	17	8	16
98	*M. fascicularis*	2	LNHM 1909.4.1.35	10	23	12	7	1	18	8	15
99	*M. fascicularis*	2	LNHM 1909.4.1.37	5	21	13	9	2	19	8	14
100	*M. fascicularis*	2	LNHM 1910.12.24.1	10	29	13	ND	2	21	10	15
101	*M. fascicularis*	2	LNHM 1914.12.8.11	10	27	14	10	2	23	10	16
102	*M. fascicularis*	2	LNHM 1914.12.8.14	7	28	14	10	2	21	11	16
103	*M. fascicularis*	2	LNHM 1914.12.8.17	8	26	13	9	1	20	8	16
104	*M. fascicularis*	2	LNHM 1915.11.4.10	10	29	12	10	2	21	10	16
105	*M. fascicularis*	2	LNHM 1934.7.18.5	6	25	13	9	2	18	10	17
106	*M. fascicularis*	2	LNHM 1936.9.10.13	ND	ND	ND	ND	1	ND	9	ND
107	*M. fascicularis*	2	LNHM 1939.892	14	25	12	9	1	17	10	15
108	*M. fascicularis*	2	LNHM 1939.894	6	23	12	10	1	19	8	15
109	*M. fascicularis*	2	LNHM 1955.1523	12	26	12	9	2	17	9	14
110	*M. fascicularis*	2	ZAI 9179	7	27	13	10	1	20	8	16
111	*M. mulatta*	2	ZAI 7082	7	28	15	11	2	23	10	16
112	*M. leucophaeus*	1	LNHM 1912.10.28.1	10	ND	ND	15	3	31	16	35
113	*M. leucophaeus*	1	LNHM 1912.10.28.59	8	ND	ND	ND	2	ND	ND	40
114	*M. leucophaeus*	1	LNHM 1912.10.28.60	15	50	22	18	3	38	21	35
115	*M. leucophaeus*	1	LNHM 1912.10.28.61	9	47	23	ND	3	32	17	32
116	*M. leucophaeus*	1	LNHM 1912.10.28.62	15	45	ND	16	3	ND	19	35
117	*M. leucophaeus*	1	LNHM 1912.10.28.63	ND	ND	ND	ND	3	ND	17	31
118	*M. leucophaeus*	1	LNHM 1912.10.28.64	ND	ND	ND	ND	ND	ND	ND	32
119	*M. leucophaeus*	1	LNHM 1912.10.28.65	13	ND	ND	ND	1	ND	ND	35
120	*M. leucophaeus*	1	LNHM 1912.10.28.66	23	ND	ND	ND	2	ND	18	ND
121	*M. leucophaeus*	1	LNHM 1912.10.28.67	12	ND	ND	17	4	ND	15	36
122	*M. leucophaeus*	1	LNHM 1927.9.27.1	11	43	17	15	3	29	14	29
123	*M. leucophaeus*	1	LNHM 1939.1046	23	58	18	20	5	35	17	35
124	*M. leucophaeus*	1	LNHM 1939.3454	15	45	20	16	5	31	13	35

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	Source	P1	P2	P3	P4	P5	P6	P7
125	*M. leucophaeus*	1	LNHM 1948.44	This study	106	59	46	24	16	16	36
126	*M. leucophaeus*	1	LNHM 1948.441	This study	85	54	41	19	12	ND	37
127	*M. leucophaeus*	1	LNHM 1948.442	This study	ND	61	ND	ND	15	ND	ND
128	*M. leucophaeus*	1	LNHM 1949.82	This study	84	54	35	19	13	16	35
129	*M. leucophaeus*	1	LNHM 1959.1.2.6	This study	109	57	ND	22	12	19	35
130	*M. leucophaeus*	1	LNHM 1972.201	This study	96	58	43	23	11	18	36
131	*M. leucophaeus*	1	LNHM 1972.202	This study	95	51	49	23	13	16	35
132	*M. leucophaeus*	1	LNHM 1972.1087	This study	98	59	43	22	15	18	36
133	*M. leucophaeus*	1	LNHM 1974.203	This study	93	58	54	20	14	17	34
134	*M. leucophaeus*	1	LNHM 1974.204	This study	97	56	47	20	13	17	37
135	*M. leucophaeus*	1	LNHM 1974.205	This study	99	57	45	22	13	19	38
136	*M. leucophaeus*	1	LNHM 1974.206	This study	ND	56	50	ND	13	19	35
137	*M. leucophaeus*	1	LNHM 1974.207	This study	93	55	46	19	12	19	34
138	*M. leucophaeus*	1	LNHM 1974.208	This study	92	55	43	19	15	15	35
139	*M. leucophaeus*	1	LNHM 1974.209	This study	96	56	49	22	12	16	36
140	*M. leucophaeus*	1	LNHM 1974.21	This study	91	57	44	22	12	18	36
141	*M. leucophaeus*	1	LNHM 1974.211	This study	85	54	41	18	15	15	35
142	*M. leucophaeus*	1	LNHM 1974.212	This study	93	56	43	21	14	17	38
143	*M. leucophaeus*	1	LNHM 1974.213	This study	74	49	37	18	11	14	33
144	*M. leucophaeus*	1	LNHM 1974.229	This study	85	53	46	19	12	16	34
145	*M. leucophaeus*	1	LNHM 1975.1947	This study	ND	ND	39	15	ND	16	33
146	*M. leucophaeus*	1	LNHM 1976.268	This study	90	57	44	20	13	ND	37
147	*M. sphinx*	1	LNHM 1905.5.23.10	This study	114	59	56	26	13	23	34
148	*M. sphinx*	1	LNHM 1905.11.27.13	This study	ND	58	61	ND	9	20	ND
149	*M. sphinx*	1	LNHM 1923.1.22.1	This study	105	60	52	24	15	20	38
150	*M. sphinx*	1	LNHM 1930.12.15.9	This study	106	55	55	24	16	19	34
151	*M. sphinx*	1	LNHM 1939.3455	This study	109	65	ND	28	12	22	39
152	*M. sphinx*	1	LNHM 1974.234	This study	97	55	ND	22	15	23	35
153	*M. sphinx*	1	LNHM 1981.772	This study	100	53	54	22	12	21	34
154	*M. leucophaeus*	2	LNHM 1948.444	This study	64	46	33	15	11	15	32
155	*M. leucophaeus*	2	LNHM 1949.83	This study	ND	42	29	16	8	13	ND
156	*M. leucophaeus*	2	LNHM 1949.85	This study	62	43	29	15	10	13	29
157	*M. leucophaeus*	2	LNHM 1949.86	This study	60	45	28	16	8	12	29
158	*M. leucophaeus*	2	LNHM 1949.88	This study	64	43	28	16	9	14	30
159	*M. leucophaeus*	2	LNHM 1949.89	This study	60	45	28	14	8	13	28
160	*M. leucophaeus*	2	LNHM 1966.6356	This study	61	46	34	14	9	14	30
161	*M. leucophaeus*	2	LNHM 1967.1711	This study	67	45	32	16	9	15	35
162	*M. leucophaeus*	2	LNHM 1974.191	This study	69	49	35	15	8	14	34
163	*M. leucophaeus*	2	LNHM 1974.197	This study	61	44	30	15	8	13	29
164	*M. leucophaeus*	2	LNHM 1974.199	This study	61	44	30	13	ND	14	31
165	*M. leucophaeus*	2	LNHM 1974.215	This study	67	48	32	17	9	14	30
166	*M. leucophaeus*	2	LNHM 1974.216	This study	64	45	30	16	10	14	32
167	*M. leucophaeus*	2	LNHM 1974.219	This study	59	42	25	15	8	14	30
168	*M. leucophaeus*	2	LNHM 1974.224	This study	61	46	29	16	10	14	ND
169	*M. leucophaeus*	2	LNHM 1974.225	This study	63	46	31	14	10	13	31
170	*M. leucophaeus*	2	LNHM 1974.228	This study	67	46	32	14	6	14	32
171	*M. leucophaeus*	2	LNHM 1974.23	This study	67	48	32	15	8	14	33
172	*M. sphinx*	2	LNHM 1855.12.26.41	This study	71	49	33	18	6	15	32
173	*M. sphinx*	2	LNHM 1914.1.24.2	This study	70	47	35	17	11	15	30
174	*P. troglodytes*	1	LNHM 1917.12.16.1	This study	76	62	ND	21	15	16	28
175	*P. troglodytes*	1	LNHM 1922.12.19.1	This study	78	62	ND	21	15	17	32
176	*P. troglodytes*	1	LNHM 1924.8.61	This study	68	55	39	20	11	15	26
177	*P. troglodytes*	1	LNHM 1939.3375	This study	75	61	36	21	13	14	28
178	*P. troglodytes*	1	LNHM 1968.9.5.1	This study	82	ND	40	24	12	17	28
179	*P. troglodytes*	1	NNHM 481804	Chamberlain et al. (in prep.)	66	61	35	ND	12	13	29
180	*P. troglodytes*	1	NNHM 395820	Chamberlain et al. (in prep.)	75	60	41	ND	11	15	32
181	*P. troglodytes*	1	NNHM 174704	Chamberlain et al. (in prep.)	75	64	40	ND	13	13	28
182	*P. troglodytes*	1	NNHM 176228	Chamberlain et al. (in prep.)	70	61	33	ND	14	13	29
183	*P. troglodytes*	1	NNHM 220327	Chamberlain et al. (in prep.)	67	59	30	ND	11	15	31
184	*P. troglodytes*	1	ZAI AS312	This study	ND	57	ND	ND	11	17	30
185	*P. troglodytes*	1	ZAI AS918	This study	72	58	38	23	12	15	27
186	*P. troglodytes*	1	ZAI AS1437	This study	74	60	ND	23	15	15	27

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	P8	P9	P10	P11	P12	P13	P14	P15	P16	M1	M2	M3
125	*M. leucophaeus*	1	LNHM 1948.44	25	34	31	ND	ND	17.7	12.3	29	12	60	26	39
126	*M. leucophaeus*	1	LNHM 1948.441	26	29	25	ND	ND	ND	ND	23	ND	ND	ND	ND
127	*M. leucophaeus*	1	LNHM 1948.442	ND	ND	31	ND	ND	ND	ND	28	ND	ND	ND	ND
128	*M. leucophaeus*	1	LNHM 1949.82	22	29	27	9.7	7.8	14.9	9.1	23	10	50	22	32
129	*M. leucophaeus*	1	LNHM 1959.1.2.6	33	28	27	8.6	8.2	20.5	11.8	24	5	72	26	40
130	*M. leucophaeus*	1	LNHM 1972.201	30	29	29	9.7	8.9	19.0	11.8	11	23	62	24	38
131	*M. leucophaeus*	1	LNHM 1972.202	24	25	26	9.0	8.5	17.2	11.0	22	12	55	23	35
132	*M. leucophaeus*	1	LNHM 1972.1087	28	32	31	8.6	8.9	17.0	10.7	30	14	59	29	37
133	*M. leucophaeus*	1	LNHM 1974.203	28	30	30	ND	ND	19.1	10.6	25	13	52	30	38
134	*M. leucophaeus*	1	LNHM 1974.204	20	29	28	10.1	8.7	17.6	10.7	25	10	58	27	35
135	*M. leucophaeus*	1	LNHM 1974.205	29	31	30	ND	ND	17.6	10.4	27	11	60	30	40
136	*M. leucophaeus*	1	LNHM 1974.206	28	31	30	ND	ND	16.5	10.2	27	11	ND	28	37
137	*M. leucophaeus*	1	LNHM 1974.207	25	29	28	ND	ND	16.2	9.3	26	12	55	25	33
138	*M. leucophaeus*	1	LNHM 1974.208	23	28	28	9.7	8.4	18.1	10.0	26	11	59	25	36
139	*M. leucophaeus*	1	LNHM 1974.209	23	30	29	11.1	8.9	16.0	9.9	25	8	57	26	35
140	*M. leucophaeus*	1	LNHM 1974.21	23	29	28	ND	ND	ND	ND	25	11	56	26	35
141	*M. leucophaeus*	1	LNHM 1974.211	24	28	28	9.2	8.7	17.0	11.3	25	10	50	19	32
142	*M. leucophaeus*	1	LNHM 1974.212	25	30	28	10.2	8.9	20.2	10.9	24	13	58	27	35
143	*M. leucophaeus*	1	LNHM 1974.213	23	26	22	10.1	8.1	ND	ND	19	9	44	20	32
144	*M. leucophaeus*	1	LNHM 1974.229	23	26	25	9.0	7.6	15.7	10.2	24	10	49	21	32
145	*M. leucophaeus*	1	LNHM 1975.1947	ND	ND	ND	9.0	8.2	ND	ND	ND	ND	50	18	ND
146	*M. leucophaeus*	1	LNHM 1976.268	22	31	30	ND	ND	16.0	11.3	27	ND	55	21	35
147	*M. sphinx*	1	LNHM 1905.5.23.10	30	32	33	8.2	9.1	18.6	14.1	29	9	70	30	41
148	*M. sphinx*	1	LNHM 1905.11.27.13	35	33	31	ND	ND	21.4	ND	ND	10	ND	ND	ND
149	*M. sphinx*	1	LNHM 1923.1.22.1	37	37	34	8.9	8.6	18.7	12.2	28	10	63	35	46
150	*M. sphinx*	1	LNHM 1930.12.15.9	37	33	32	8.6	8.2	16.4	13.6	28	12	63	34	41
151	*M. sphinx*	1	LNHM 1939.3455	45	39	32	9.2	9.0	21.6	14.1	25	11	84	34	51
152	*M. sphinx*	1	LNHM 1974.234	ND	27	26	9.1	8.3	17.4	12.5	22	14	62	29	38
153	*M. sphinx*	1	LNHM 1981.772	28	29	29	9.3	8.1	17.7	13.1	28	11	69	29	37
154	*M. leucophaeus*	2	LNHM 1948.444	19	19	20	9.0	7.8	8.2	6.7	16	7	32	15	23
155	*M. leucophaeus*	2	LNHM 1949.83	17	18	19	9.4	7.1	8.1	6.2	ND	6	30	14	21
156	*M. leucophaeus*	2	LNHM 1949.85	20	20	20	7.8	7.4	7.7	5.7	17	8	31	13	24
157	*M. leucophaeus*	2	LNHM 1949.86	21	21	20	8.0	7.6	7.7	6.0	17	7	33	13	24
158	*M. leucophaeus*	2	LNHM 1949.88	21	19	21	8.1	6.8	8.0	6.0	17	10	33	14	24
159	*M. leucophaeus*	2	LNHM 1949.89	21	20	22	6.1	6.9	7.7	6.0	19	7	32	14	25
160	*M. leucophaeus*	2	LNHM 1966.6356	20	20	22	8.0	7.4	7.6	5.9	20	8	ND	ND	ND
161	*M. leucophaeus*	2	LNHM 1967.1711	20	21	21	ND	ND	8.9	6.4	17	7	38	14	28
162	*M. leucophaeus*	2	LNHM 1974.191	23	24	25	ND	ND	9.1	6.0	22	7	36	14	25
163	*M. leucophaeus*	2	LNHM 1974.197	19	22	21	7.5	6.9	8.5	6.0	19	5	30	14	25
164	*M. leucophaeus*	2	LNHM 1974.199	17	18	ND	ND	ND	7.7	5.9	17	5	32	13	22
165	*M. leucophaeus*	2	LNHM 1974.215	23	24	26	7.8	7.1	8.5	5.4	24	9	37	13	26
166	*M. leucophaeus*	2	LNHM 1974.216	20	21	21	8.4	7.8	8.2	6.3	19	8	35	14	27
167	*M. leucophaeus*	2	LNHM 1974.219	20	20	20	8.1	7.6	7.9	6.1	15	7	32	14	23
168	*M. leucophaeus*	2	LNHM 1974.224	19	20	21	9.0	7.3	8.4	6.1	20	8	35	14	23
169	*M. leucophaeus*	2	LNHM 1974.225	18	20	24	ND	ND	8.8	6.6	22	7	35	16	24
170	*M. leucophaeus*	2	LNHM 1974.228	20	21	20	ND	ND	8.7	6.5	18	5	33	13	26
171	*M. leucophaeus*	2	LNHM 1974.23	20	21	23	ND	ND	8.4	6.4	21	10	37	14	25
172	*M. sphinx*	2	LNHM 1855.12.26.41	26	25	24	8.3	7.1	7.7	5.8	22	10	37	17	27
173	*M. sphinx*	2	LNHM 1914.1.24.2	22	24	23	8.4	7.5	8.3	6.3	19	10	35	16	27
174	*P. troglodytes*	1	LNHM 1917.12.16.1	36	37	34	ND	ND	12.8	9.6	ND	ND	49	19	31
175	*P. troglodytes*	1	LNHM 1922.12.19.1	33	36	34	11.3	9.8	15.5	13.2	ND	ND	48	19	30
176	*P. troglodytes*	1	LNHM 1924.8.61	30	31	30	11.0	9.9	14.2	11.2	ND	ND	43	15	27
177	*P. troglodytes*	1	LNHM 1939.3375	34	35	37	12.4	9.4	13.9	10.1	ND	ND	ND	16	30
178	*P. troglodytes*	1	LNHM 1968.9.5.1	39	ND	ND	12.4	9.7	13.0	9.9	ND	ND	52	17	32
179	*P. troglodytes*	1	NNHM 481804	37	36	38	11.1	9.1	13.9	12.1	ND	ND	41	18	28
180	*P. troglodytes*	1	NNHM 395820	40	38	34	12.3	9.7	15.2	12.6	ND	ND	55	17	34
181	*P. troglodytes*	1	NNHM 174704	38	39	38	11.8	8.3	15.5	11.3	ND	ND	49	18	27
182	*P. troglodytes*	1	NNHM 176228	35	38	36	12.5	9.9	13.9	11.8	ND	ND	44	16	27
183	*P. troglodytes*	1	NNHM 220327	35	36	34	12.7	9.9	13.7	11.8	ND	ND	43	17	30
184	*P. troglodytes*	1	ZAI AS312	33	35	31	ND	9.7	15.2	11.6	29	10	47	18	31
185	*P. troglodytes*	1	ZAI AS918	37	37	34	ND	8.6	ND	10.6	30	10	42	15	30
186	*P. troglodytes*	1	ZAI AS1437	37	38	36	ND	ND	14.6	11.3	ND	7	43	17	29

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
125	*M. leucophaeus*	1	LNHM 1948.44	14	35	17	32	41	10.7	7.7	10.9	8.2	12.9	9.8
126	*M. leucophaeus*	1	LNHM 1948.441	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
127	*M. leucophaeus*	1	LNHM 1948.442	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
128	*M. leucophaeus*	1	LNHM 1949.82	12	27	17	23	38	10.2	7.1	10.2	7.5	11.7	9.9
129	*M. leucophaeus*	1	LNHM 1959.1.2.6	17	35	19	33	37	11.0	7.5	10.0	8.0	12.5	11.1
130	*M. leucophaeus*	1	LNHM 1972.201	15	32	19	30	42	10.5	7.9	10.7	9.3	13.5	11.4
131	*M. leucophaeus*	1	LNHM 1972.202	14	32	20	30	37	10.4	7.3	9.7	8.0	12.0	10.1
132	*M. leucophaeus*	1	LNHM 1972.1087	13	33	19	30	39	9.9	7.9	10.3	7.9	12.4	10.0
133	*M. leucophaeus*	1	LNHM 1974.203	15	36	18	27	35	9.9	7.5	9.4	7.9	12.0	10.1
134	*M. leucophaeus*	1	LNHM 1974.204	12	31	17	30	41	11.9	8.1	11.1	8.6	13.3	10.4
135	*M. leucophaeus*	1	LNHM 1974.205	15	34	17	30	38	11.2	7.7	10.5	ND	13.2	11.1
136	*M. leucophaeus*	1	LNHM 1974.206	13	32	15	31	38	ND	8.1	10.2	8.1	12.5	10.5
137	*M. leucophaeus*	1	LNHM 1974.207	13	28	16	28	38	9.6	8.2	9.9	7.8	12.1	10.6
138	*M. leucophaeus*	1	LNHM 1974.208	12	31	18	28	41	10.1	7.1	10.5	8.2	12.5	ND
139	*M. leucophaeus*	1	LNHM 1974.209	12	30	17	27	41	12.0	8.4	10.9	8.3	12.9	10.9
140	*M. leucophaeus*	1	LNHM 1974.21	12	32	18	29	42	12.1	8.3	11.0	8.7	12.6	11.0
141	*M. leucophaeus*	1	LNHM 1974.211	11	27	13	23	39	9.7	7.6	10.6	8.2	12.6	10.4
142	*M. leucophaeus*	1	LNHM 1974.212	13	29	18	28	41	10.4	7.6	10.7	8.1	13.5	10.5
143	*M. leucophaeus*	1	LNHM 1974.213	12	29	15	21	37	10.1	7.1	10.2	7.4	11.9	9.3
144	*M. leucophaeus*	1	LNHM 1974.229	12	28	16	25	36	9.1	7.8	9.8	7.8	11.7	9.6
145	*M. leucophaeus*	1	LNHM 1975.1947	ND	25	15	25	38	10.1	7.1	10.0	7.3	13.0	10.0
146	*M. leucophaeus*	1	LNHM 1976.268	11	29	15	24	39	10.2	7.7	10.7	8.3	12.7	10.4
147	*M. sphinx*	1	LNHM 1905.5.23.10	14	37	14	36	37	10.3	6.8	9.2	7.7	11.7	9.4
148	*M. sphinx*	1	LNHM 1905.11.27.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
149	*M. sphinx*	1	LNHM 1923.1.22.1	14	39	18	37	41	12.2	7.2	10.4	8.3	13.5	11.4
150	*M. sphinx*	1	LNHM 1930.12.15.9	13	35	14	33	36	10.7	6.8	9.6	7.1	11.8	9.3
151	*M. sphinx*	1	LNHM 1939.3455	18	39	19	35	42	10.6	7.2	10.2	7.7	12.4	11.3
152	*M. sphinx*	1	LNHM 1974.234	14	31	17	32	39	11.6	7.0	10.3	7.8	12.1	10.3
153	*M. sphinx*	1	LNHM 1981.772	11	34	14	32	38	10.6	6.8	10.4	7.6	11.1	9.6
154	*M. leucophaeus*	2	LNHM 1948.444	10	22	15	18	34	8.9	6.8	9.5	7.5	11.6	9.5
155	*M. leucophaeus*	2	LNHM 1949.83	10	ND	ND	16	ND	8.4	6.2	9.0	7.3	11.4	8.8
156	*M. leucophaeus*	2	LNHM 1949.85	9	22	14	17	32	7.4	5.9	8.9	7.1	10.3	8.1
157	*M. leucophaeus*	2	LNHM 1949.86	9	24	16	15	ND	7.8	5.9	9.3	ND	10.7	9.3
158	*M. leucophaeus*	2	LNHM 1949.88	9	23	13	18	33	8.5	6.7	9.3	6.6	11.1	8.4
159	*M. leucophaeus*	2	LNHM 1949.89	10	22	13	16	31	8.2	6.3	8.7	7.1	10.5	9.3
160	*M. leucophaeus*	2	LNHM 1966.6356	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
161	*M. leucophaeus*	2	LNHM 1967.1711	10	23	14	16	36	8.5	6.9	9.7	7.2	12.1	9.6
162	*M. leucophaeus*	2	LNHM 1974.191	11	24	13	18	35	9.3	6.9	9.9	7.5	11.8	9.8
163	*M. leucophaeus*	2	LNHM 1974.197	10	21	15	14	32	7.7	6.6	9.1	7.2	10.8	8.7
164	*M. leucophaeus*	2	LNHM 1974.199	9	18	12	15	34	8.5	ND	8.9	ND	11.0	9.7
165	*M. leucophaeus*	2	LNHM 1974.215	10	24	14	19	32	8.6	6.1	8.5	7.1	10.8	8.8
166	*M. leucophaeus*	2	LNHM 1974.216	10	24	15	17	35	8.8	6.6	10.2	7.6	12.3	9.5
167	*M. leucophaeus*	2	LNHM 1974.219	10	21	15	15	34	8.2	6.5	9.3	7.1	11.5	8.9
168	*M. leucophaeus*	2	LNHM 1974.224	11	23	15	17	34	8.6	6.7	9.1	7.2	11.2	9.2
169	*M. leucophaeus*	2	LNHM 1974.225	10	20	14	15	34	8.4	6.7	9.2	8.0	11.2	9.2
170	*M. leucophaeus*	2	LNHM 1974.228	12	25	15	17	37	8.8	7.0	10.1	7.9	11.6	10.5
171	*M. leucophaeus*	2	LNHM 1974.23	10	22	13	18	33	7.9	6.5	9.5	7.4	10.9	9.4
172	*M. sphinx*	2	LNHM 1855.12.26.41	12	26	14	17	34	7.5	5.5	9.3	6.8	10.3	8.8
173	*M. sphinx*	2	LNHM 1914.1.24.2	11	27	12	18	33	8.5	6.8	9.5	7.8	10.9	10.1
174	*P. troglodytes*	1	LNHM 1917.12.16.1	14	29	20	19	32	8.9	9.0	11.2	ND	11.1	ND
175	*P. troglodytes*	1	LNHM 1922.12.19.1	15	32	20	20	36	8.4	9.6	ND	11.1	12.6	11.4
176	*P. troglodytes*	1	LNHM 1924.8.61	12	27	17	16	32	8.3	9.0	10.4	10.2	10.6	10.2
177	*P. troglodytes*	1	LNHM 1939.3375	13	31	17	17	33	8.3	8.5	10.8	9.6	11.3	10.5
178	*P. troglodytes*	1	LNHM 1968.9.5.1	13	32	16	20	31	8.5	8.1	11.3	9.8	10.8	10.8
179	*P. troglodytes*	1	NNHM 481804	14	25	ND	14	33	7.4	9.1	11.6	10.6	11.3	11.4
180	*P. troglodytes*	1	NNHM 395820	14	30	ND	19	36	9.3	9.6	12.3	11.2	11.7	11.7
181	*P. troglodytes*	1	NNHM 174704	15	28	ND	18	33	7.9	8.6	10.9	9.4	10.8	10.7
182	*P. troglodytes*	1	NNHM 176228	13	28	ND	16	32	6.6	8.5	11.4	10.0	12.0	10.4
183	*P. troglodytes*	1	NNHM 220327	15	28	ND	15	35	7.9	9.7	10.9	9.8	12.2	11.1
184	*P. troglodytes*	1	ZAI AS312	15	31	ND	19	35	8.3	9.3	11.5	10.4	11.9	11.4
185	*P. troglodytes*	1	ZAI AS918	13	33	17	18	31	7.3	7.8	10.9	9.3	10.7	9.5
186	*P. troglodytes*	1	ZAI AS1437	15	28	18	20	34	7.8	9.2	11.7	10.4	11.7	11.4

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
125	*M. leucophaeus*	1	LNHM 1948.44	131	18	91	130	85	8	30	39	18	114	82	5
126	*M. leucophaeus*	1	LNHM 1948.441	104	11	ND	104	77	9	29	30	16	94	67	6
127	*M. leucophaeus*	1	LNHM 1948.442	ND	ND	91	127	84	11	28	33	ND	ND	ND	7
128	*M. leucophaeus*	1	LNHM 1949.82	106	14	77	101	74	10	28	31	13	93	66	5
129	*M. leucophaeus*	1	LNHM 1959.1.2.6	114	24	111	133	88	12	22	36	19	92	ND	5
130	*M. leucophaeus*	1	LNHM 1972.201	120	18	89	115	84	10	29	36	25	106	73	6
131	*M. leucophaeus*	1	LNHM 1972.202	105	16	92	121	87	9	25	32	18	92	65	5
132	*M. leucophaeus*	1	LNHM 1972.1087	115	16	90	130	81	8	27	30	20	102	72	7
133	*M. leucophaeus*	1	LNHM 1974.203	ND	ND	94	129	83	10	28	36	20	98	70	8
134	*M. leucophaeus*	1	LNHM 1974.204	118	15	86	120	78	9	28	32	20	104	75	ND
135	*M. leucophaeus*	1	LNHM 1974.205	120	15	86	128	ND	10	28	31	20	107	79	7
136	*M. leucophaeus*	1	LNHM 1974.206	ND	ND	ND	130	90	10	28	36	24	110	81	6
137	*M. leucophaeus*	1	LNHM 1974.207	110	12	90	125	75	8	29	33	19	99	74	6
138	*M. leucophaeus*	1	LNHM 1974.208	116	12	84	117	84	9	31	29	16	105	77	6
139	*M. leucophaeus*	1	LNHM 1974.209	115	14	86	116	84	9	30	29	15	103	73	7
140	*M. leucophaeus*	1	LNHM 1974.21	116	13	78	116	83	8	29	35	18	105	79	5
141	*M. leucophaeus*	1	LNHM 1974.211	104	13	79	112	76	8	28	30	19	92	63	6
142	*M. leucophaeus*	1	LNHM 1974.212	110	16	88	121	87	8	26	33	14	96	69	5
143	*M. leucophaeus*	1	LNHM 1974.213	92	9	73	100	72	9	27	26	15	84	56	4
144	*M. leucophaeus*	1	LNHM 1974.229	102	10	85	107	71	10	28	25	19	96	66	7
145	*M. leucophaeus*	1	LNHM 1975.1947	101	9	ND	ND	ND	ND	28	29	ND	92	64	ND
146	*M. leucophaeus*	1	LNHM 1976.268	115	13	81	117	71	7	31	32	19	104	76	7
147	*M. sphinx*	1	LNHM 1905.5.23.10	150	11	90	126	75	9	26	39	23	143	104	8
148	*M. sphinx*	1	LNHM 1905.11.27.13	ND	ND	86	130	83	8	27	35	29	119	85	8
149	*M. sphinx*	1	LNHM 1923.1.22.1	135	12	93	138	84	10	33	38	19	124	88	6
150	*M. sphinx*	1	LNHM 1930.12.15.9	140	16	100	133	81	10	28	39	21	127	94	6
151	*M. sphinx*	1	LNHM 1939.3455	127	18	111	141	88	11	24	31	19	110	76	7
152	*M. sphinx*	1	LNHM 1974.234	108	20	103	139	89	12	22	27	24	89	61	10
153	*M. sphinx*	1	LNHM 1981.772	117	14	102	131	87	10	21	39	19	104	71	5
154	*M. leucophaeus*	2	LNHM 1948.444	76	8	65	86	63	6	26	22	15	67	43	3
155	*M. leucophaeus*	2	LNHM 1949.83	68	7	64	81	60	7	24	20	10	63	42	3
156	*M. leucophaeus*	2	LNHM 1949.85	69	8	63	80	60	7	24	22	13	63	43	3
157	*M. leucophaeus*	2	LNHM 1949.86	71	8	61	83	64	7	24	21	12	64	42	4
158	*M. leucophaeus*	2	LNHM 1949.88	71	8	65	84	62	8	26	21	15	42	42	4
159	*M. leucophaeus*	2	LNHM 1949.89	77	9	64	88	66	7	27	24	14	68	46	4
160	*M. leucophaeus*	2	LNHM 1966.6356	80	7	63	82	61	6	28	22	12	76	55	4
161	*M. leucophaeus*	2	LNHM 1967.1711	78	9	65	82	65	7	26	22	13	70	47	4
162	*M. leucophaeus*	2	LNHM 1974.191	69	10	68	93	68	7	25	23	16	60	41	4
163	*M. leucophaeus*	2	LNHM 1974.197	69	6	66	85	59	7	26	21	ND	64	41	4
164	*M. leucophaeus*	2	LNHM 1974.199	66	4	63	84	64	5	25	20	16	63	39	3
165	*M. leucophaeus*	2	LNHM 1974.215	77	8	67	95	75	7	27	26	16	69	43	4
166	*M. leucophaeus*	2	LNHM 1974.216	76	7	67	89	61	5	27	20	15	70	47	4
167	*M. leucophaeus*	2	LNHM 1974.219	65	6	64	83	61	6	24	20	14	60	40	3
168	*M. leucophaeus*	2	LNHM 1974.224	69	7	64	88	65	7	25	22	12	63	40	5
169	*M. leucophaeus*	2	LNHM 1974.225	78	5	66	89	61	6	27	20	18	74	47	4
170	*M. leucophaeus*	2	LNHM 1974.228	77	6	67	90	68	7	27	25	16	71	47	3
171	*M. leucophaeus*	2	LNHM 1974.23	78	70	67	90	68	6	25	25	15	70	46	3
172	*M. sphinx*	2	LNHM 1855.12.26.41	74	9	75	97	67	7	22	24	13	65	46	6
173	*M. sphinx*	2	LNHM 1914.1.24.2	89	10	65	84	63	5	25	27	18	81	56	3
174	*P. troglodytes*	1	LNHM 1917.12.16.1	89	31	101	ND	89	20	33	26	27	60	25	ND
175	*P. troglodytes*	1	LNHM 1922.12.19.1	ND	28	112	133	88	17	34	29	27	ND	ND	ND
176	*P. troglodytes*	1	LNHM 1924.8.61	84	27	102	128	83	20	36	24	24	60	30	9
177	*P. troglodytes*	1	LNHM 1939.3375	84	28	111	139	91	18	41	31	28	58	33	13
178	*P. troglodytes*	1	LNHM 1968.9.5.1	93	39	105	125	80	17	31	26	30	59	26	ND
179	*P. troglodytes*	1	NNHM 481804	87	24	102	131	91	17	35	28	27	63	28	9
180	*P. troglodytes*	1	NNHM 395820	87	37	94	121	80	13	30	26	23	51	23	8
181	*P. troglodytes*	1	NNHM 174704	88	28	105	128	91	17	36	33	26	63	36	13
182	*P. troglodytes*	1	NNHM 176228	86	31	106	139	85	18	32	28	23	58	34	12
183	*P. troglodytes*	1	NNHM 220327	81	29	110	134	92	18	33	24	26	54	30	10
184	*P. troglodytes*	1	ZAI AS312	ND	33	107	127	74	22	32	22	29	56	30	ND
185	*P. troglodytes*	1	ZAI AS918	ND	26	106	132	84	23	37	27	24	ND	ND	ND
186	*P. troglodytes*	1	ZAI AS1437	95	33	105	ND	88	22	34	24	27	62	31	ND

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	F13	F14	F15	F16	C1	C2	C3	C4	C5	C6	C7	C8
125	*M. leucophaeus*	1	LNHM 1948.44	11	85	86	182	103	66	59	90	62	51	34	40
126	*M. leucophaeus*	1	LNHM 1948.441	10	68	81	147	ND	ND	62	79	61	51	41	37
127	*M. leucophaeus*	1	LNHM 1948.442	ND	86	86	ND	ND	ND	64	90	61	48	39	36
128	*M. leucophaeus*	1	LNHM 1949.82	11	68	77	147	99	62	57	81	58	48	39	36
129	*M. leucophaeus*	1	LNHM 1959.1.2.6	13	89	93	183	109	68	59	**103**	63	50	**51**	ND
130	*M. leucophaeus*	1	LNHM 1972.201	10	72	82	166	104	64	64	82	63	53	38	37
131	*M. leucophaeus*	1	LNHM 1972.202	11	73	85	162	106	65	58	84	ND	ND	**43**	**39**
132	*M. leucophaeus*	1	LNHM 1972.1087	12	82	89	174	110	65	59	88	66	51	44	**35**
133	*M. leucophaeus*	1	LNHM 1974.203	15	86	89	168	110	69	60	89	62	49	**50**	**36**
134	*M. leucophaeus*	1	LNHM 1974.204	11	81	87	172	106	67	61	86	62	51	46	37
135	*M. leucophaeus*	1	LNHM 1974.205	12	ND	86	174	ND	**67**	60	ND	ND	ND	ND	39
136	*M. leucophaeus*	1	LNHM 1974.206	**14**	85	91	ND	105	64	60	92	65	50	**46**	**40**
137	*M. leucophaeus*	1	LNHM 1974.207	11	79	87	165	103	63	57	92	61	46	41	40
138	*M. leucophaeus*	1	LNHM 1974.208	12	77	87	165	105	67	59	85	61	50	44	39
139	*M. leucophaeus*	1	LNHM 1974.209	11	76	84	168	102	67	64	86	60	50	41	37
140	*M. leucophaeus*	1	LNHM 1974.21	10	79	85	167	106	66	56	83	57	47	47	36
141	*M. leucophaeus*	1	LNHM 1974.211	11	71	81	153	96	63	58	82	57	44	38	33
142	*M. leucophaeus*	1	LNHM 1974.212	**7**	75	84	163	103	67	64	84	64	47	36	40
143	*M. leucophaeus*	1	LNHM 1974.213	13	66	78	137	97	63	58	76	57	47	41	36
144	*M. leucophaeus*	1	LNHM 1974.229	14	71	80	151	102	63	63	82	62	52	38	36
145	*M. leucophaeus*	1	LNHM 1975.1947	ND	69	77	145	94	64	ND	ND	58	50	37	34
146	*M. leucophaeus*	1	LNHM 1976.268	11	82	82	165	99	62	57	87	54	43	38	38
147	*M. sphinx*	1	LNHM 1905.5.23.10	11	83	93	200	106	ND	55	89	64	49	**45**	**41**
148	*M. sphinx*	1	LNHM 1905.11.27.13	**13**	88	91	ND	110	ND	54	85	**60**	**49**	**52**	ND
149	*M. sphinx*	1	LNHM 1923.1.22.1	12	92	99	**194**	114	72	58	98	70	54	**53**	**45**
150	*M. sphinx*	1	LNHM 1930.12.15.9	12	87	93	193	106	68	63	97	62	48	**47**	**45**
151	*M. sphinx*	1	LNHM 1939.3455	**12**	83	100	191	111	**74**	59	106	**67**	**43**	**49**	**46**
152	*M. sphinx*	1	LNHM 1974.234	ND	74	98	175	ND	ND	58	96	ND	ND	ND	ND
153	*M. sphinx*	1	LNHM 1981.772	11	81	92	179	104	68	58	105	64	53	**46**	ND
154	*M. leucophaeus*	2	LNHM 1948.444	10	56	71	117	92	59	56	69	59	52	34	33
155	*M. leucophaeus*	2	LNHM 1949.83	9	56	66	106	87	60	55	67	54	47	38	34
156	*M. leucophaeus*	2	LNHM 1949.85	11	53	65	106	89	60	55	65	51	**45**	41	36
157	*M. leucophaeus*	2	LNHM 1949.86	9	55	64	108	85	58	51	64	50	**42**	40	33
158	*M. leucophaeus*	2	LNHM 1949.88	11	58	70	114	89	59	55	67	55	**48**	36	35
159	*M. leucophaeus*	2	LNHM 1949.89	8	57	71	114	92	61	55	71	53	46	44	35
160	*M. leucophaeus*	2	LNHM 1966.6356	10	55	66	114	ND	ND	54	ND	50	43	ND	ND
161	*M. leucophaeus*	2	LNHM 1967.1711	10	59	71	119	93	62	56	**70**	55	**48**	40	36
162	*M. leucophaeus*	2	LNHM 1974.191	8	**61**	**76**	**122**	101	64	55	**73**	55	45	50	38
163	*M. leucophaeus*	2	LNHM 1974.197	ND	55	68	108	93	61	55	64	53	**48**	41	40
164	*M. leucophaeus*	2	LNHM 1974.199	12	53	67	107	90	60	54	65	52	49	44	34
165	*M. leucophaeus*	2	LNHM 1974.215	9	62	74	125	96	57	55	71	58	49	39	34
166	*M. leucophaeus*	2	LNHM 1974.216	9	61	70	118	92	62	56	72	56	50	41	35
167	*M. leucophaeus*	2	LNHM 1974.219	8	52	66	105	90	61	55	64	52	**44**	40	36
168	*M. leucophaeus*	2	LNHM 1974.224	ND	55	71	111	94	60	54	72	58	**53**	34	38
169	*M. leucophaeus*	2	LNHM 1974.225	11	59	70	**115**	93	59	54	71	53	46	41	37
170	*M. leucophaeus*	2	LNHM 1974.228	10	59	70	118	91	63	55	71	55	46	38	35
171	*M. leucophaeus*	2	LNHM 1974.23	9	56	71	120	94	62	56	69	53	45	42	36
172	*M. sphinx*	2	LNHM 1855.12.26.41	9	59	**79**	**126**	98	63	58	76	58	50	39	35
173	*M. sphinx*	2	LNHM 1914.1.24.2	10	62	75	124	93	62	53	72	55	47	36	37
174	*P. troglodytes*	1	LNHM 1917.12.16.1	10	76	ND	ND	134	**89**	**68**	110	70	53	ND	ND
175	*P. troglodytes*	1	LNHM 1922.12.19.1	10	88	ND	ND	140	**92**	68	112	**78**	**60**	ND	ND
176	*P. troglodytes*	1	LNHM 1924.8.61	9	79	ND	ND	132	88	69	107	67	49	69	46
177	*P. troglodytes*	1	LNHM 1939.3375	9	**82**	ND	ND	ND	ND	78	ND	77	62	**55**	**65**
178	*P. troglodytes*	1	LNHM 1968.9.5.1	11	83	ND	ND	135	ND	**62**	98	ND	ND	ND	ND
179	*P. troglodytes*	1	NNHM 481804	17	72	ND	ND	133	88	72	115	73	55	55	55
180	*P. troglodytes*	1	NNHM 395820	15	71	ND	ND	142	101	68	109	83	68	60	55
181	*P. troglodytes*	1	NNHM 174704	15	85	ND	ND	138	92	66	109	75	56	63	58
182	*P. troglodytes*	1	NNHM 176228	13	79	ND	ND	127	93	71	113	72	54	61	50
183	*P. troglodytes*	1	NNHM 220327	13	75	ND	ND	127	87	72	112	74	57	55	49
184	*P. troglodytes*	1	ZAI AS312	13	74	99	ND	136	**87**	69	103	**71**	**51**	**67**	**48**
185	*P. troglodytes*	1	ZAI AS918	**14**	81	105	145	133	85	71	110	67	45	63	**48**
186	*P. troglodytes*	1	ZAI AS1437	**12**	**75**	**99**	142	130	84	66	101	69	48	65	**42**

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	C9	C10	C11	C12	C13	C14	C15	C16
125	*M. leucophaeus*	1	LNHM 1948.44	15	ND	ND	ND	3	32	16	32
126	*M. leucophaeus*	1	LNHM 1948.441	ND	ND	ND	ND	3	29	15	28
127	*M. leucophaeus*	1	LNHM 1948.442	ND	ND	ND	ND	3	29	15	37
128	*M. leucophaeus*	1	LNHM 1949.82	13	39	19	17	2	30	14	26
129	*M. leucophaeus*	1	LNHM 1959.1.2.6	12	46	20	18	2	34	18	36
130	*M. leucophaeus*	1	LNHM 1972.201	15	44	21	15	3	32	15	28
131	*M. leucophaeus*	1	LNHM 1972.202	22	48	20	19	2	32	16	30
132	*M. leucophaeus*	1	LNHM 1972.1087	13	43	19	17	2	32	18	33
133	*M. leucophaeus*	1	LNHM 1974.203	13	44	19	17	3	31	18	31
134	*M. leucophaeus*	1	LNHM 1974.204	11	44	19	16	3	27	15	34
135	*M. leucophaeus*	1	LNHM 1974.205	16	47	21	17	3	33	16	33
136	*M. leucophaeus*	1	LNHM 1974.206	14	44	20	18	4	32	17	39
137	*M. leucophaeus*	1	LNHM 1974.207	17	46	20	16	4	29	16	35
138	*M. leucophaeus*	1	LNHM 1974.208	14	44	18	17	4	32	16	31
139	*M. leucophaeus*	1	LNHM 1974.209	12	ND	ND	16	4	27	17	33
140	*M. leucophaeus*	1	LNHM 1974.21	15	45	19	16	3	29	14	31
141	*M. leucophaeus*	1	LNHM 1974.211	13	38	18	16	2	25	13	32
142	*M. leucophaeus*	1	LNHM 1974.212	19	44	19	16	3	32	17	31
143	*M. leucophaeus*	1	LNHM 1974.213	16	42	19	16	2	27	13	26
144	*M. leucophaeus*	1	LNHM 1974.229	17	41	18	16	3	ND	ND	28
145	*M. leucophaeus*	1	LNHM 1975.1947	15	41	ND	16	2	ND	ND	26
146	*M. leucophaeus*	1	LNHM 1976.268	19	41	21	18	2	31	17	31
147	*M. sphinx*	1	LNHM 1905.5.23.10	12	48	21	ND	3	ND	ND	32
148	*M. sphinx*	1	LNHM 1905.11.27.13	6	41	ND	ND	3	ND	15	33
149	*M. sphinx*	1	LNHM 1923.1.22.1	14	49	21	18	4	33	16	38
150	*M. sphinx*	1	LNHM 1930.12.15.9	12	49	18	17	3	29	17	36
151	*M. sphinx*	1	LNHM 1939.3455	19	46	19	19	6	31	21	43
152	*M. sphinx*	1	LNHM 1974.234	ND	ND	18	16	ND	28	14	40
153	*M. sphinx*	1	LNHM 1981.772	12	50	16	15	2	25	15	42
154	*M. leucophaeus*	2	LNHM 1948.444	20	43	18	14	2	26	11	22
155	*M. leucophaeus*	2	LNHM 1949.83	20	39	17	13	2	23	12	20
156	*M. leucophaeus*	2	LNHM 1949.85	16	38	19	14	1	23	12	22
157	*M. leucophaeus*	2	LNHM 1949.86	14	38	18	14	2	24	12	22
158	*M. leucophaeus*	2	LNHM 1949.88	21	41	18	13	2	24	12	21
159	*M. leucophaeus*	2	LNHM 1949.89	14	39	17	13	4	24	11	24
160	*M. leucophaeus*	2	LNHM 1966.6356	ND	ND	ND	ND	1	ND	ND	ND
161	*M. leucophaeus*	2	LNHM 1967.1711	20	42	18	14	3	26	13	22
162	*M. leucophaeus*	2	LNHM 1974.191	20	41	17	15	2	25	15	25
163	*M. leucophaeus*	2	LNHM 1974.197	25	44	17	14	2	24	ND	21
164	*M. leucophaeus*	2	LNHM 1974.199	15	35	17	14	2	26	12	20
165	*M. leucophaeus*	2	LNHM 1974.215	12	36	18	13	2	ND	15	26
166	*M. leucophaeus*	2	LNHM 1974.216	15	38	19	14	1	27	12	23
167	*M. leucophaeus*	2	LNHM 1974.219	23	42	17	13	2	24	12	19
168	*M. leucophaeus*	2	LNHM 1974.224	22	42	17	ND	2	26	14	24
169	*M. leucophaeus*	2	LNHM 1974.225	20	41	18	14	2	27	14	21
170	*M. leucophaeus*	2	LNHM 1974.228	17	40	18	ND	2	25	12	27
171	*M. leucophaeus*	2	LNHM 1974.23	19	40	18	14	2	ND	ND	22
172	*M. sphinx*	2	LNHM 1855.12.26.41	16	42	16	13	6	25	14	27
173	*M. sphinx*	2	LNHM 1914.1.24.2	18	44	16	14	2	25	11	23
174	*P. troglodytes*	1	LNHM 1917.12.16.1	ND	ND	24	13	ND	ND	ND	ND
175	*P. troglodytes*	1	LNHM 1922.12.19.1	ND	ND	27	15	ND	ND	ND	ND
176	*P. troglodytes*	1	LNHM 1924.8.61	21	47	25	ND	5	ND	ND	ND
177	*P. troglodytes*	1	LNHM 1939.3375	ND	ND	ND	ND	5	ND	ND	ND
178	*P. troglodytes*	1	LNHM 1968.9.5.1	ND	ND	22	13	ND	ND	ND	ND
179	*P. troglodytes*	1	NNHM 481804	31	59	23	16	4	ND	ND	ND
180	*P. troglodytes*	1	NNHM 395820	28	70	22	18	6	ND	ND	ND
181	*P. troglodytes*	1	NNHM 174704	5	57	22	18	4	ND	ND	ND
182	*P. troglodytes*	1	NNHM 176228	10	57	24	14	3	ND	ND	ND
183	*P. troglodytes*	1	NNHM 220327	12	53	25	15	4	ND	ND	ND
184	*P. troglodytes*	1	ZAI AS312	21	50	27	15	3	43	21	25
185	*P. troglodytes*	1	ZAI AS918	23	52	27	17	3	40	24	31
186	*P. troglodytes*	1	ZAI AS1437	13	44	23	ND	4	36	19	29

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	Source	P1	P2	P3	P4	P5	P6	P7
187	*P. troglodytes*	1	ZAI AS1443	This study	75	57	40	22	11	15	29
188	*P. troglodytes*	1	ZAI AS1810	This study	74	62	40	23	12	15	30
189	*P. troglodytes*	2	GNHM 668.62	This study	69	56	35	22	11	15	26
190	*P. troglodytes*	2	HACB TW.13.84	This study	77	63	30	20	14	14	30
191	*P. troglodytes*	2	LNHM 1883.7.28.18	This study	70	58	ND	21	11	14	28
192	*P. troglodytes*	2	LNHM 1920.4.13.2	This study	67	58	34	20	11	15	27
193	*P. troglodytes*	2	LNHM 1927.1.4.1	This study	78	63	ND	23	8	15	29
194	*P. troglodytes*	2	NNHM 174707	Chamberlain et al. (in prep.)	65	54	36	ND	11	13	26
195	*P. troglodytes*	2	NNHM 220064	Chamberlain et al. (in prep.)	66	59	36	ND	15	13	27
196	*P. troglodytes*	2	NNHM 282763	Chamberlain et al. (in prep.)	73	62	38	ND	11	15	30
197	*P. troglodytes*	2	NNHM 477333	Chamberlain et al. (in prep.)	68	55	32	ND	12	13	30
198	*P. troglodytes*	2	NNHM 176229	Chamberlain et al. (in prep.)	75	57	39	ND	11	15	27
199	*P. troglodytes*	2	NNHM 220062	Chamberlain et al. (in prep.)	71	61	32	ND	12	12	28
200	*P. troglodytes*	2	NNHM 176226	Chamberlain et al. (in prep.)	74	56	37	ND	13	14	30
201	*P. troglodytes*	2	PNHM 1942.178	This study	72	58	33	23	12	15	25
202	*P. troglodytes*	2	ZAI AS1586	This study	79	63	37	24	15	17	27
203	*P. anubis*	1	LNHM 1922.12.19.6	This study	90	58	43	22	14	14	37
204	*P. anubis*	1	LNHM 1924.8.6.15	This study	94	57	42	19	15	16	38
205	*P. anubis*	1	LNHM 1936.12.28.2	This study	94	57	33	22	13	18	35
206	*P. anubis*	1	LNHM 1939.1021	This study	92	53	42	21	17	14	34
207	*P. anubis*	1	LNHM 1939.3452	This study	110	63	50	28	14	17	39
208	*P. anubis*	1	ZAI 6806	This study	102	60	52	24	19	17	41
209	*P. anubis*	1	ZAI 10128	This study	97	58	48	26	15	17	36
210	*P. cynocephalus*	1	LNHM 1895.5.4.1	This study	87	53	39	23	13	15	35
211	*P. cynocephalus*	1	LNHM 1914.4.29.1	This study	88	48	38	21	12	13	34
212	*P. cynocephalus*	1	LNHM 1916.2.26.2	This study	68	45	30	16	11	10	31
213	*P. cynocephalus*	1	LNHM 1927.2.9.1	This study	87	54	42	21	17	15	35
214	*P. cynocephalus*	1	LNHM 1961.8.9.3	This study	67	49	29	15	12	12	29
215	*P. cynocephalus*	1	LNHM 1962.7.6.13	This study	88	53	40	21	14	14	33
216	*P. cynocephalus*	1	LNHM 1966.491	This study	91	50	41	21	14	16	36
217	*P. cynocephalus*	1	LNHM 1967.1658	This study	65	48	28	16	8	12	29
218	*P. cynocephalus*	1	LNHM 1969.555	This study	65	48	23	17	11	11	29
219	*P. cynocephalus*	1	LNHM 1969.556	This study	70	46	31	18	12	12	31
220	*P. cynocephalus*	1	LNHM 1969.561	This study	66	45	32	16	13	11	30
221	*P. cynocephalus*	1	LNHM 1972.129	This study	95	58	40	24	ND	16	35
222	*P. cynocephalus*	1	ZAI 6397	This study	85	55	34	21	14	14	35
223	*P. anubis*	2	LNHM 1901.8.9.23	This study	78	49	35	17	13	14	32
224	*P. anubis*	2	LNHM 1908.8.9.42	This study	79	51	37	18	13	15	32
225	*P. anubis*	2	LNHM 1914.3.8.2	This study	71	45	35	17	13	12	30
226	*P. anubis*	2	LNHM 1924.8.6.16	This study	76	53	35	17	15	14	35
227	*P. anubis*	2	LNHM 1930.12.12	This study	72	52	32	18	14	13	31
228	*P. anubis*	2	LNHM 1939.1035	This study	80	54	39	19	13	16	35
229	*P. anubis*	2	LNHM 1962.25	This study	66	48	30	16	11	12	31
230	*P. anubis*	2	LNHM 1964.2174	This study	76	51	37	18	11	14	33
231	*P. anubis*	2	PNHM 1853.438	This study	79	53	39	19	11	14	34
232	*P. anubis*	2	ZAI 10761	This study	67	48	34	17	12	12	30
233	*P. cynocephalus*	2	LNHM 1924.1.1.6	This study	60	43	28	16	8	11	30
234	*P. cynocephalus*	2	LNHM 1936C	This study	70	53	29	19	9	13	33
235	*P. cynocephalus*	2	LNHM 1961.737	This study	60	43	24	15	10	10	27
236	*P. cynocephalus*	2	LNHM 1961.74	This study	52	41	21	13	7	10	26
237	*P. cynocephalus*	2	LNHM 1961.758	This study	53	42	21	13	8	10	26
238	*P. cynocephalus*	2	LNHM 1961.778	This study	53	41	22	14	8	9	24
239	*P. cynocephalus*	2	LNHM 1966.769	This study	ND	49	25	ND	ND	ND	ND
240	*P. cynocephalus*	2	LNHM 1966.77	This study	61	43	27	13	10	11	30
241	*P. cynocephalus*	2	ZAI 6760	This study	ND	46	ND	18	ND	ND	ND
242	*T. gelada*	1	BNHM 14.VI.1924	This study	74	45	30	13	9	12	33
243	*T. gelada*	1	BNHM 16.VII.1927	This study	75	47	28	15	8	12	35
244	*T. gelada*	1	BNHM 18.VII.1925	This study	79	47	29	15	10	12	34
245	*T. gelada*	1	BNHM 143	This study	76	44	34	14	7	10	32
246	*T. gelada*	1	BNHM 144	This study	81	48	32	15	10	13	37
247	*T. gelada*	1	BNHM 4825	This study	79	52	33	16	7	13	37
248	*T. gelada*	1	BNHM 4826	This study	79	50	31	15	10	13	37

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	P8	P9	P10	P11	P12	P13	P14	P15	P16	M1	M2	M3
187	*P. troglodytes*	1	ZAI AS1443	34	32	29	ND	10.1	15.2	11.8	27	10	44	16	29
188	*P. troglodytes*	1	ZAI AS1810	37	36	34	12.0	9.7	15.6	10.7	32	7	47	19	31
189	*P. troglodytes*	2	GNHM 668.62	36	35	31	ND	ND	12.5	9.5	27	9	39	15	27
190	*P. troglodytes*	2	HACB TW.13.84	38	34	ND	12.0	10.3	12.8	9.9	36	8	49	18	31
191	*P. troglodytes*	2	LNHM 1883.7.28.18	36	36	31	11.4	9.9	11.2	8.9	ND	ND	44	16	29
192	*P. troglodytes*	2	LNHM 1920.4.13.2	31	32	32	ND	ND	11.6	8.4	ND	ND	39	16	24
193	*P. troglodytes*	2	LNHM 1927.1.4.1	40	41	35	ND	9.1	12.1	9.9	ND	ND	45	17	26
194	*P. troglodytes*	2	NNHM 174707	34	32	31	10.3	7.4	10.9	8.8	ND	ND	36	12	23
195	*P. troglodytes*	2	NNHM 220064	37	37	36	11.5	9.0	11.5	8.8	ND	ND	38	14	25
196	*P. troglodytes*	2	NNHM 282763	40	36	38	13.1	9.5	12.6	10.1	ND	ND	41	18	28
197	*P. troglodytes*	2	NNHM 477333	38	34	32	10.2	8.3	11.2	9.1	ND	ND	40	16	27
198	*P. troglodytes*	2	NNHM 176229	39	37	33	11.2	8.5	10.9	8.9	ND	ND	44	15	30
199	*P. troglodytes*	2	NNHM 220062	39	40	37	10.8	8.7	11.4	9.1	ND	ND	42	14	28
200	*P. troglodytes*	2	NNHM 176226	38	36	34	12.5	9.7	11.4	8.7	ND	ND	41	15	27
201	*P. troglodytes*	2	PNHM 1942.178	36	36	35	ND	ND	ND	8.3	34	8	42	16	28
202	*P. troglodytes*	2	ZAI AS1586	40	39	35	11.9	9.1	12.1	9.3	33	12	45	15	30
203	*P. anubis*	1	LNHM 1922.12.19.6	31	34	33	10.9	8.8	18.1	12.3	30	10	55	26	42
204	*P. anubis*	1	LNHM 1924.8.6.15	26	29	28	10.3	9.9	ND	ND	28	13	53	23	38
205	*P. anubis*	1	LNHM 1936.12.28.2	29	27	29	ND	ND	15.2	11.8	27	10	54	23	36
206	*P. anubis*	1	LNHM 1939.1021	26	27	27	9.4	8.7	15.1	10.0	24	12	49	21	33
207	*P. anubis*	1	LNHM 1939.3452	37	38	36	10.1	10.0	15.9	12.2	34	10	60	25	37
208	*P. anubis*	1	ZAI 6806	29	31	30	ND	ND	16.9	12.1	26	15	59	28	38
209	*P. anubis*	1	ZAI 10128	26	33	31	10.5	9.4	15.9	10.3	29	8	50	21	35
210	*P. cynocephalus*	1	LNHM 1895.5.4.1	24	27	27	10	9.1	ND	ND	23	10	47	20	34
211	*P. cynocephalus*	1	LNHM 1914.4.29.1	26	29	25	9.2	9.1	15.0	8.8	25	9	46	20	33
212	*P. cynocephalus*	1	LNHM 1916.2.26.2	19	24	23	ND	ND	ND	ND	22	8	35	14	27
213	*P. cynocephalus*	1	LNHM 1927.2.9.1	25	29	29	11.1	8.4	13.7	8.8	26	11	46	20	34
214	*P. cynocephalus*	1	LNHM 1961.8.9.3	22	26	26	7.6	6.4	9.7	6.1	23	10	36	14	25
215	*P. cynocephalus*	1	LNHM 1962.7.6.13	27	28	27	9.7	8.7	15.5	8.5	25	11	50	23	36
216	*P. cynocephalus*	1	LNHM 1966.491	30	25	26	10.0	8.8	13.4	9.0	25	12	50	19	34
217	*P. cynocephalus*	1	LNHM 1967.1658	20	23	25	8.8	7.4	11.9	8.0	20	8	ND	14	25
218	*P. cynocephalus*	1	LNHM 1969.555	19	25	25	8.7	7.0	9.6	5.9	23	8	33	14	25
219	*P. cynocephalus*	1	LNHM 1969.556	23	24	25	8.4	7.2	8.8	6.9	21	10	36	14	28
220	*P. cynocephalus*	1	LNHM 1969.561	23	24	24	8.9	7.5	10.1	6.7	22	9	35	16	26
221	*P. cynocephalus*	1	LNHM 1972.129	33	ND	31	10.4	9.5	16.7	12.2	26	12	47	24	36
222	*P. cynocephalus*	1	ZAI 6397	26	30	27	10.3	9.8	14.8	10.4	23	12	49	23	36
223	*P. anubis*	2	LNHM 1901.8.9.23	21	23	26	ND	7.0	ND	ND	25	11	37	15	29
224	*P. anubis*	2	LNHM 1908.8.9.42	25	25	27	ND	8.7	8.3	6.9	24	9	35	17	32
225	*P. anubis*	2	LNHM 1914.3.8.2	19	22	25	7.2	8.1	7.3	6.4	22	9	30	15	26
226	*P. anubis*	2	LNHM 1924.8.6.16	23	25	28	8.4	8.4	8.4	7.3	25	7	44	16	31
227	*P. anubis*	2	LNHM 1930.12.12	23	25	27	8.2	8.1	ND	ND	ND	9	32	16	28
228	*P. anubis*	2	LNHM 1939.1035	26	29	29	9.6	9.2	8.4	7.5	27	10	37	16	30
229	*P. anubis*	2	LNHM 1962.25	21	24	26	9.0	7.9	7.8	6.8	24	3	34	16	27
230	*P. anubis*	2	LNHM 1964.2174	23	24	26	ND	ND	ND	ND	24	8	37	14	30
231	*P. anubis*	2	PNHM 1853.438	22	25	28	9.7	9.2	8.3	6.8	25	10	42	17	28
232	*P. anubis*	2	ZAI 10761	21	23	25	8.1	7.9	7.5	6.5	23	9	36	16	27
233	*P. cynocephalus*	2	LNHM 1924.1.1.6	20	23	23	ND	ND	7.3	5.8	21	5	30	14	27
234	*P. cynocephalus*	2	LNHM 1936C	23	26	25	9.2	8.3	8.4	7.1	23	ND	39	15	30
235	*P. cynocephalus*	2	LNHM 1961.737	20	22	22	ND	ND	6.0	5.5	20	ND	ND	ND	ND
236	*P. cynocephalus*	2	LNHM 1961.74	19	20	20	8.2	6.7	6.1	5.4	18	ND	ND	ND	ND
237	*P. cynocephalus*	2	LNHM 1961.758	19	22	22	7.7	6.7	5.8	5.5	19	3	22	9	20
238	*P. cynocephalus*	2	LNHM 1961.778	20	22	23	6.9	6.2	5.6	5.2	20	5	25	10	20
239	*P. cynocephalus*	2	LNHM 1966.769	26	ND	ND	ND	ND	ND	ND	26	ND	41	13	ND
240	*P. cynocephalus*	2	LNHM 1966.77	19	19	21	7.5	7.7	6.8	5.4	20	5	29	13	22
241	*P. cynocephalus*	2	ZAI 6760	ND	ND	ND	9.1	ND	ND	ND	ND	ND	31	ND	ND
242	*T. gelada*	1	BNHM 14.VI.1924	15	20	21	7.5	6.6	14.7	9.4	20	9	ND	22	35
243	*T. gelada*	1	BNHM 16.VII.1927	15	22	22	7.8	6.4	13.4	9.0	20	7	ND	ND	ND
244	*T. gelada*	1	BNHM 18.VII.1925	15	20	23	7.5	6.4	14.0	8.9	22	8	51	20	37
245	*T. gelada*	1	BNHM 143	17	21	22	ND	6.5	13.5	8.1	20	7	45	20	35
246	*T. gelada*	1	BNHM 144	20	25	24	6.6	7.0	14.6	9.9	21	10	53	20	39
247	*T. gelada*	1	BNHM 4825	21	25	27	ND	6.8	13.4	8.9	23	6	51	25	37
248	*T. gelada*	1	BNHM 4826	18	24	25	7.3	6.7	13.8	9.7	21	8	57	23	38

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
187	*P. troglodytes*	1	ZAI AS1443	15	29	20	17	34	ND	10.3	11.0	10.1	11.6	11.2
188	*P. troglodytes*	1	ZAI AS1810	15	31	20	20	33	8.1	ND	11.0	10.8	11.0	11.5
189	*P. troglodytes*	2	GNHM 668.62	13	26	17	18	32	7.5	8.1	9.8	8.8	10.7	9.4
190	*P. troglodytes*	2	HACB TW.13.84	15	28	18	18	34	8.3	10.9	10.5	ND	11.6	11.0
191	*P. troglodytes*	2	LNHM 1883.7.28.18	15	28	19	17	32	7.4	ND	10.4	ND	10.3	10.2
192	*P. troglodytes*	2	LNHM 1920.4.13.2	14	28	20	16	33	8.1	8.9	11.3	10.0	12.1	11.7
193	*P. troglodytes*	2	LNHM 1927.1.4.1	17	26	16	17	34	7.8	9.8	11.0	ND	11.6	11.2
194	*P. troglodytes*	2	NNHM 174707	11	23	ND	15	32	7.5	8.2	11.2	9.7	11.4	9.9
195	*P. troglodytes*	2	NNHM 220064	12	26	ND	15	31	8.0	8.5	10.1	9.1	10.4	9.1
196	*P. troglodytes*	2	NNHM 282763	15	28	ND	19	34	8.6	9.1	11.9	10.5	11.1	10.7
197	*P. troglodytes*	2	NNHM 477333	14	27	ND	17	32	7.7	9.3	11.0	10.0	11.7	11.2
198	*P. troglodytes*	2	NNHM 176229	14	28	ND	17	32	7.8	8.2	11.0	9.4	11.1	10.0
199	*P. troglodytes*	2	NNHM 220062	12	27	ND	16	30	7.5	8.3	11.3	9.9	11.0	10.3
200	*P. troglodytes*	2	NNHM 176226	13	24	ND	17	31	7.3	8.6	11.2	10.0	11.1	9.9
201	*P. troglodytes*	2	PNHM 1942.178	ND	29	19	20	35	8.9	9.5	10.8	ND	12.2	ND
202	*P. troglodytes*	2	ZAI AS1586	15	29	20	20	34	7.9	8.7	11.2	10.1	12.1	11.1
203	*P. anubis*	1	LNHM 1922.12.19.6	14	36	15	23	43	8.7	7.8	11.0	ND	13.5	11.0
204	*P. anubis*	1	LNHM 1924.8.6.15	12	32	16	24	43	9.1	7.5	11.3	8.9	13.8	12.3
205	*P. anubis*	1	LNHM 1936.12.28.2	14	34	17	24	42	8.5	7.7	11.3	9.6	12.7	11.7
206	*P. anubis*	1	LNHM 1939.1021	12	29	14	25	39	8.3	7.4	10.1	8.7	12.4	10.6
207	*P. anubis*	1	LNHM 1939.3452	17	32	16	29	43	10.0	7.7	11.1	9.0	12.7	10.9
208	*P. anubis*	1	ZAI 6806	13	35	18	30	44	9.8	8.4	12.2	9.4	14.6	12.5
209	*P. anubis*	1	ZAI 10128	11	30	14	27	41	9.4	7.5	11.0	8.7	13.8	11.5
210	*P. cynocephalus*	1	LNHM 1895.5.4.1	12	32	16	24	37	9.3	6.9	10.5	8.0	11.9	8.9
211	*P. cynocephalus*	1	LNHM 1914.4.29.1	11	30	12	22	36	7.4	6.3	9.7	7.8	11.9	10.1
212	*P. cynocephalus*	1	LNHM 1916.2.26.2	9	24	13	17	35	7.2	6.1	9.1	8.0	10.9	9.9
213	*P. cynocephalus*	1	LNHM 1927.2.9.1	13	34	17	22	41	8.0	7.1	10.6	8.6	12.6	10.9
214	*P. cynocephalus*	1	LNHM 1961.8.9.3	10	24	11	19	29	6.7	5.6	8.6	7.4	9.6	9.0
215	*P. cynocephalus*	1	LNHM 1962.7.6.13	11	33	14	22	38	7.7	6.5	10.4	7.9	12.4	9.6
216	*P. cynocephalus*	1	LNHM 1966.491	12	32	16	24	39	ND	ND	10.3	8.9	12.1	10.7
217	*P. cynocephalus*	1	LNHM 1967.1658	10	23	14	19	32	6.7	6.2	8.6	8.4	10.3	9.5
218	*P. cynocephalus*	1	LNHM 1969.555	9	ND	ND	17	ND	6.8	6.3	8.6	7.5	10.4	9.1
219	*P. cynocephalus*	1	LNHM 1969.556	9	25	13	19	32	7.2	6.4	8.7	ND	10.8	ND
220	*P. cynocephalus*	1	LNHM 1969.561	9	24	13	17	34	6.6	6.0	8.7	7.2	11.1	8.9
221	*P. cynocephalus*	1	LNHM 1972.129	13	34	15	27	39	8.7	7.1	10.8	8.9	12.0	10.5
222	*P. cynocephalus*	1	ZAI 6397	12	31	15	24	41	8.9	6.9	10.5	8.9	12.8	10.4
223	*P. anubis*	2	LNHM 1901.8.9.23	11	26	14	16	34	7.1	6.1	9.7	8.0	11.0	9.1
224	*P. anubis*	2	LNHM 1908.8.9.42	11	29	14	20	35	7.7	7.4	9.4	8.1	11.5	10.1
225	*P. anubis*	2	LNHM 1914.3.8.2	11	26	12	14	32	7.4	6.6	9.1	7.8	11.2	9.6
226	*P. anubis*	2	LNHM 1924.8.6.16	11	27	15	19	38	8.1	7.2	10.3	8.7	12.4	ND
227	*P. anubis*	2	LNHM 1930.12.12	11	28	15	17	34	7.6	6.5	9.2	8.4	11.2	10.2
228	*P. anubis*	2	LNHM 1939.1035	11	28	14	19	39	8.1	7.3	10.2	7.9	11.8	10.2
229	*P. anubis*	2	LNHM 1962.25	12	28	15	15	38	7.4	6.4	10.1	8.2	11.6	9.5
230	*P. anubis*	2	LNHM 1964.2174	11	26	16	19	39	7.8	7.3	10.3	8.3	11.8	10.3
231	*P. anubis*	2	PNHM 1853.438	12	26	15	19	38	8.6	7.4	11.0	ND	12.4	10.6
232	*P. anubis*	2	ZAI 10761	8	25	11	15	33	7.1	6.8	9.1	7.5	11.0	9.2
233	*P. cynocephalus*	2	LNHM 1924.1.1.6	9	22	13	14	33	6.7	5.9	8.4	6.8	10.6	8.4
234	*P. cynocephalus*	2	LNHM 1936C	12	26	14	15	35	8.0	6.5	9.5	8.1	11.1	9.3
235	*P. cynocephalus*	2	LNHM 1961.737	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
236	*P. cynocephalus*	2	LNHM 1961.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
237	*P. cynocephalus*	2	LNHM 1961.758	9	20	13	12	30	6.7	5.8	8.1	7.4	9.8	8.6
238	*P. cynocephalus*	2	LNHM 1961.778	8	19	11	13	27	5.7	5.5	7.2	ND	8.9	7.6
239	*P. cynocephalus*	2	LNHM 1966.769	11	26	13	ND	30	5.8	5.7	ND	ND	ND	ND
240	*P. cynocephalus*	2	LNHM 1966.77	9	22	11	14	34	7.0	6.1	8.7	7.1	10.8	9.3
241	*P. cynocephalus*	2	ZAI 6760	11	25	15	ND	ND	ND	ND	ND	ND	ND	ND
242	*T. gelada*	1	BNHM 14.VI.1924	10	30	13	20	36	7.9	6.5	ND	ND	11.6	9.6
243	*T. gelada*	1	BNHM 16.VII.1927	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
244	*T. gelada*	1	BNHM 18.VII.1925	10	31	14	21	37	7.9	6.1	9.2	7.4	12.6	9.0
245	*T. gelada*	1	BNHM 143	10	32	13	21	35	7.6	6.1	10.0	8.0	12.4	9.9
246	*T. gelada*	1	BNHM 144	11	29	13	21	41	7.8	6.7	10.5	8.2	13.3	9.7
247	*T. gelada*	1	BNHM 4825	11	30	16	24	40	8.2	6.8	ND	ND	13.6	10.1
248	*T. gelada*	1	BNHM 4826	10	32	16	23	41	ND	6.8	10.5	8.3	13.6	9.6

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
187	*P. troglodytes*	1	ZAI AS1443	76	19	104	132	96	22	33	26	29	57	26	ND
188	*P. troglodytes*	1	ZAI AS1810	87	33	107	132	90	17	35	26	27	57	28	8
189	*P. troglodytes*	2	GNHM 668.62	ND	31	100	118	80	17	33	23	23	ND	ND	ND
190	*P. troglodytes*	2	HACB TW.13.84	ND	33	103	118	81	16	29	23	26	ND	ND	ND
191	*P. troglodytes*	2	LNHM 1883.7.28.18	ND	ND	98	118	84	17	32	23	24	ND	29	ND
192	*P. troglodytes*	2	LNHM 1920.4.13.2	78	21	92	119	82	11	33	26	22	59	27	9
193	*P. troglodytes*	2	LNHM 1927.1.4.1	ND	33	102	122	86	16	34	31	24	ND	ND	ND
194	*P. troglodytes*	2	NNHM 174707	70	24	94	112	77	12	32	21	22	48	25	8
195	*P. troglodytes*	2	NNHM 220064	77	26	102	116	80	16	36	22	22	52	26	11
196	*P. troglodytes*	2	NNHM 282763	83	29	100	120	81	15	33	27	24	54	26	9
197	*P. troglodytes*	2	NNHM 477333	72	25	96	120	80	14	35	21	21	48	24	7
198	*P. troglodytes*	2	NNHM 176229	84	37	106	118	88	16	35	23	23	47	25	8
199	*P. troglodytes*	2	NNHM 220062	85	34	97	115	85	17	34	24	22	52	29	7
200	*P. troglodytes*	2	NNHM 176226	82	28	97	118	89	18	35	25	24	55	26	8
201	*P. troglodytes*	2	PNHM 1942.178	ND	31	100	122	83	ND	31	27	28	ND	ND	ND
202	*P. troglodytes*	2	ZAI AS1586	96	38	103	127	93	19	37	25	26	60	33	ND
203	*P. anubis*	1	LNHM 1922.12.19.6	128	15	91	129	87	10	26	38	21	114	75	9
204	*P. anubis*	1	LNHM 1924.8.6.15	132	10	82	119	84	8	32	35	21	123	81	5
205	*P. anubis*	1	LNHM 1936.12.28.2	115	21	84	126	90	12	21	37	21	95	66	6
206	*P. anubis*	1	LNHM 1939.1021	107	18	81	111	72	9	25	32	21	108	73	4
207	*P. anubis*	1	LNHM 1939.3452	135	17	92	137	ND	11	27	34	21	118	ND	6
208	*P. anubis*	1	ZAI 6806	139	21	87	136	100	13	27	42	22	121	81	7
209	*P. anubis*	1	ZAI 10128	115	12	89	120	83	10	26	32	29	104	68	5
210	*P. cynocephalus*	1	LNHM 1895.5.4.1	113	12	80	102	77	10	24	34	18	102	63	6
211	*P. cynocephalus*	1	LNHM 1914.4.29.1	115	13	85	112	67	11	26	31	19	103	68	8
212	*P. cynocephalus*	1	LNHM 1916.2.26.2	83	10	72	90	66	9	24	27	18	74	43	6
213	*P. cynocephalus*	1	LNHM 1927.2.9.1	110	13	ND	ND	79	11	23	38	18	98	63	7
214	*P. cynocephalus*	1	LNHM 1961.8.9.3	79	10	73	87	64	10	26	28	17	70	42	6
215	*P. cynocephalus*	1	LNHM 1962.7.6.13	116	12	83	112	77	9	23	37	18	104	68	8
216	*P. cynocephalus*	1	LNHM 1966.491	120	17	80	107	73	10	27	35	21	105	67	7
217	*P. cynocephalus*	1	LNHM 1967.1658	78	12	76	ND	65	9	25	27	18	64	40	8
218	*P. cynocephalus*	1	LNHM 1969.555	76	9	75	93	64	10	23	28	16	76	40	4
219	*P. cynocephalus*	1	LNHM 1969.556	85	10	76	96	67	9	23	26	17	76	44	7
220	*P. cynocephalus*	1	LNHM 1969.561	84	9	72	93	67	9	24	27	20	76	47	7
221	*P. cynocephalus*	1	LNHM 1972.129	125	16	88	114	76	11	26	35	21	109	73	7
222	*P. cynocephalus*	1	ZAI 6397	118	17	82	112	77	9	24	34	19	102	68	6
223	*P. anubis*	2	LNHM 1901.8.9.23	106	13	74	104	77	8	23	31	18	92	62	5
224	*P. anubis*	2	LNHM 1908.8.9.42	112	11	80	113	80	8	28	35	21	102	70	5
225	*P. anubis*	2	LNHM 1914.3.8.2	87	8	69	94	70	6	25	25	16	80	49	6
226	*P. anubis*	2	LNHM 1924.8.6.16	101	13	76	108	75	7	28	31	19	88	57	4
227	*P. anubis*	2	LNHM 1930.12.12	97	9	76	104	75	7	27	29	20	88	57	3
228	*P. anubis*	2	LNHM 1939.1035	101	11	76	106	74	8	28	28	19	91	59	4
229	*P. anubis*	2	LNHM 1962.25	86	10	71	101	78	7	24	27	17	76	50	4
230	*P. anubis*	2	LNHM 1964.2174	101	11	75	105	77	6	28	30	21	90	61	4
231	*P. anubis*	2	PNHM 1853.438	97	11	70	104	79	7	22	31	18	86	55	5
232	*P. anubis*	2	ZAI 10761	89	12	66	101	71	6	25	25	18	78	52	3
233	*P. cynocephalus*	2	LNHM 1924.1.1.6	75	7	68	90	65	7	25	24	15	68	45	5
234	*P. cynocephalus*	2	LNHM 1936C	78	12	78	89	67	10	18	29	12	67	40	5
235	*P. cynocephalus*	2	LNHM 1961.737	69	12	67	83	61	7	24	24	15	58	35	4
236	*P. cynocephalus*	2	LNHM 1961.74	59	5	64	80	58	6	21	19	14	54	32	4
237	*P. cynocephalus*	2	LNHM 1961.758	64	6	66	83	58	5	25	20	15	58	34	4
238	*P. cynocephalus*	2	LNHM 1961.778	60	7	66	80	57	8	22	21	13	54	34	4
239	*P. cynocephalus*	2	LNHM 1966.769	ND	ND	73	92	64	8	24	30	18	68	40	7
240	*P. cynocephalus*	2	LNHM 1966.77	71	5	70	85	57	8	22	27	16	67	40	5
241	*P. cynocephalus*	2	ZAI 6760	78	11	72	91	68	6	24	27	17	67	38	3
242	*T. gelada*	1	BNHM 14.VI.1924	92	23	67	111	80	9	19	34	18	70	42	5
243	*T. gelada*	1	BNHM 16.VII.1927	91	18	65	108	77	8	21	32	16	74	45	5
244	*T. gelada*	1	BNHM 18.VII.1925	96	21	71	113	79	8	20	32	18	76	45	5
245	*T. gelada*	1	BNHM 143	ND	17	ND	ND	ND	ND	ND	ND	18	ND	ND	ND
246	*T. gelada*	1	BNHM 144	98	22	66	111	76	10	22	29	17	77	46	4
247	*T. gelada*	1	BNHM 4825	86	17	ND	116	ND	10	20	28	16	69	ND	ND
248	*T. gelada*	1	BNHM 4826	93	23	72	116	77	10	21	30	17	69	42	ND

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	F13	F14	F15	F16	C1	C2	C3	C4	C5	C6	C7	C8
187	*P. troglodytes*	1	ZAI AS1443	14	80	107	147	132	82	61	104	74	55	63	46
188	*P. troglodytes*	1	ZAI AS1810	11	73	105	143	137	96	78	109	74	58	71	ND
189	*P. troglodytes*	2	GNHM 668.62	10	68	96	133	126	90	73	100	66	55	58	49
190	*P. troglodytes*	2	HACB TW.13.84	10	74	97	146	131	83	67	107	68	54	57	ND
191	*P. troglodytes*	2	LNHM 1883.7.28.18	10	78	ND	ND	130	92	68	104	72	56	61	45
192	*P. troglodytes*	2	LNHM 1920.4.13.2	14	75	ND	ND	124	83	65	105	64	49	49	51
193	*P. troglodytes*	2	LNHM 1927.1.4.1	12	75	ND	ND	132	84	69	106	68	52	59	ND
194	*P. troglodytes*	2	NNHM 174707	10	71	ND	ND	127	87	62	101	61	44	65	46
195	*P. troglodytes*	2	NNHM 220064	8	78	ND	ND	123	82	69	103	52	49	61	47
196	*P. troglodytes*	2	NNHM 282763	8	80	ND	ND	139	95	70	115	72	55	76	42
197	*P. troglodytes*	2	NNHM 477333	11	65	ND	ND	123	88	72	108	67	51	59	49
198	*P. troglodytes*	2	NNHM 176229	15	81	ND	ND	135	85	71	104	73	53	63	44
199	*P. troglodytes*	2	NNHM 220062	11	73	ND	ND	125	80	70	105	69	52	64	46
200	*P. troglodytes*	2	NNHM 176226	11	71	ND	ND	132	90	68	98	69	53	65	49
201	*P. troglodytes*	2	PNHM 1942.178	12	73	100	139	130	83	67	106	62	43	61	48
202	*P. troglodytes*	2	ZAI AS1586	12	77	106	152	136	91	72	109	69	49	62	49
203	*P. anubis*	1	LNHM 1922.12.19.6	11	81	94	172	111	71	58	97	63	46	55	46
204	*P. anubis*	1	LNHM 1924.8.6.15	12	80	92	171	119	69	60	86	66	50	52	46
205	*P. anubis*	1	LNHM 1936.12.28.2	ND	75	91	90	106	73	60	96	58	45	42	45
206	*P. anubis*	1	LNHM 1939.1021	12	73	85	158	106	67	59	86	58	45	47	40
207	*P. anubis*	1	LNHM 1939.3452	14	83	100	192	115	ND	60	98	ND	ND	61	ND
208	*P. anubis*	1	ZAI 6806	15	75	97	179	113	79	61	99	64	48	54	47
209	*P. anubis*	1	ZAI 10128	10	68	94	166	111	70	59	89	64	43	48	37
210	*P. cynocephalus*	1	LNHM 1895.5.4.1	13	65	87	150	107	67	62	79	63	52	49	33
211	*P. cynocephalus*	1	LNHM 1914.4.29.1	15	73	94	160	112	72	61	87	66	50	50	35
212	*P. cynocephalus*	1	LNHM 1916.2.26.2	12	54	78	121	99	59	52	69	56	45	44	34
213	*P. cynocephalus*	1	LNHM 1927.2.9.1	15	74	93	160	111	69	61	82	67	53	46	38
214	*P. cynocephalus*	1	LNHM 1961.8.9.3	10	54	77	119	99	63	57	71	60	49	41	36
215	*P. cynocephalus*	1	LNHM 1962.7.6.13	14	67	90	152	106	67	58	81	65	55	43	33
216	*P. cynocephalus*	1	LNHM 1966.491	16	73	91	163	104	68	56	83	65	52	43	37
217	*P. cynocephalus*	1	LNHM 1967.1658	9	58	79	118	100	66	56	71	63	52	39	38
218	*P. cynocephalus*	1	LNHM 1969.555	10	56	81	119	106	70	59	74	64	54	44	39
219	*P. cynocephalus*	1	LNHM 1969.556	11	56	80	127	100	73	59	74	60	49	48	37
220	*P. cynocephalus*	1	LNHM 1969.561	12	55	79	120	101	63	53	72	61	50	45	32
221	*P. cynocephalus*	1	LNHM 1972.129	16	77	95	172	112	73	60	86	70	54	47	34
222	*P. cynocephalus*	1	ZAI 6397	15	67	89	155	105	70	59	86	60	47	47	36
223	*P. anubis*	2	LNHM 1901.8.9.23	10	59	82	137	103	63	53	80	63	45	40	39
224	*P. anubis*	2	LNHM 1908.8.9.42	11	66	88	145	110	64	59	82	62	47	48	37
225	*P. anubis*	2	LNHM 1914.3.8.2	13	57	75	122	96	61	53	72	55	42	40	33
226	*P. anubis*	2	LNHM 1924.8.6.16	10	68	87	140	118	67	60	81	61	44	47	39
227	*P. anubis*	2	LNHM 1930.12.12	10	61	81	133	102	67	59	78	62	49	44	38
228	*P. anubis*	2	LNHM 1939.1035	11	64	82	144	104	64	57	80	58	45	49	39
229	*P. anubis*	2	LNHM 1962.25	10	59	77	125	96	64	56	78	58	48	43	40
230	*P. anubis*	2	LNHM 1964.2174	11	64	82	137	105	64	55	82	56	43	44	42
231	*P. anubis*	2	PNHM 1853.438	12	62	83	138	107	67	54	81	60	47	48	39
232	*P. anubis*	2	ZAI 10761	9	56	75	124	98	65	54	73	57	46	45	38
233	*P. cynocephalus*	2	LNHM 1924.1.1.6	9	54	77	114	96	68	55	72	58	49	47	38
234	*P. cynocephalus*	2	LNHM 1936C	10	60	81	124	101	69	60	71	62	48	47	38
235	*P. cynocephalus*	2	LNHM 1961.737	12	49	70	104	ND	65	54	65	54	45	ND	ND
236	*P. cynocephalus*	2	LNHM 1961.74	10	48	73	99	91	63	51	ND	52	43	46	35
237	*P. cynocephalus*	2	LNHM 1961.758	10	49	70	99	ND	ND	53	66	54	44	46	36
238	*P. cynocephalus*	2	LNHM 1961.778	9	47	72	98	94	ND	54	66	55	45	40	39
239	*P. cynocephalus*	2	LNHM 1966.769	10	60	82	ND	106	68	54	73	63	50	49	ND
240	*P. cynocephalus*	2	LNHM 1966.77	11	53	73	112	95	64	54	65	56	47	47	33
241	*P. cynocephalus*	2	ZAI 6760	12	52	78	120	99	65	56	70	58	46	47	32
242	*T. gelada*	1	BNHM 14.VI.1924	10	59	90	132	101	66	43	79	70	55	42	33
243	*T. gelada*	1	BNHM 16.VII.1927	13	63	92	136	106	64	43	78	67	51	41	37
244	*T. gelada*	1	BNHM 18.VII.1925	9	64	93	143	106	68	45	79	67	53	43	33
245	*T. gelada*	1	BNHM 143	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
246	*T. gelada*	1	BNHM 144	12	69	89	148	105	69	42	86	63	48	48	35
247	*T. gelada*	1	BNHM 4825	ND	67	92	144	105	70	45	89	64	49	49	38
248	*T. gelada*	1	BNHM 4826	11	63	91	142	105	71	45	89	61	41	52	37

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	C9	C10	C11	C12	C13	C14	C15	C16
187	*P. troglodytes*	1	ZAI AS1443	11	43	23	15	3	39	23	30
188	*P. troglodytes*	1	ZAI AS1810	13	51	22	15	6	37	18	32
189	*P. troglodytes*	2	GNHM 668.62	35	56	25	18	5	43	15	28
190	*P. troglodytes*	2	HACB TW.13.84	24	53	22	17	5	40	24	34
191	*P. troglodytes*	2	LNHM 1883.7.28.18	22	52	23	16	3	ND	ND	ND
192	*P. troglodytes*	2	LNHM 1920.4.13.2	29	58	28	16	5	ND	ND	ND
193	*P. troglodytes*	2	LNHM 1927.1.4.1	ND	ND	22	15	ND	ND	ND	ND
194	*P. troglodytes*	2	NNHM 174707	18	52	23	17	4	ND	ND	ND
195	*P. troglodytes*	2	NNHM 220064	16	47	25	15	3	ND	ND	ND
196	*P. troglodytes*	2	NNHM 282763	14	42	22	17	5	ND	ND	ND
197	*P. troglodytes*	2	NNHM 477333	23	55	23	18	5	ND	ND	ND
198	*P. troglodytes*	2	NNHM 176229	17	51	20	14	5	ND	ND	ND
199	*P. troglodytes*	2	NNHM 220062	10	44	22	16	4	ND	ND	ND
200	*P. troglodytes*	2	NNHM 176226	18	53	23	14	4	ND	ND	ND
201	*P. troglodytes*	2	PNHM 1942.178	24	55	23	14	4	37	20	36
202	*P. troglodytes*	2	ZAI AS1586	24	53	24	15	5	39	22	29
203	*P. anubis*	1	LNHM 1922.12.19.6	7	47	20	17	2	32	15	33
204	*P. anubis*	1	LNHM 1924.8.6.15	10	46	21	18	3	35	19	28
205	*P. anubis*	1	LNHM 1936.12.28.2	15	43	20	18	2	32	13	33
206	*P. anubis*	1	LNHM 1939.1021	9	43	19	16	2	32	15	28
207	*P. anubis*	1	LNHM 1939.3452	11	44	20	17	3	38	19	32
208	*P. anubis*	1	ZAI 6806	10	45	18	19	3	35	16	35
209	*P. anubis*	1	ZAI 10128	12	40	19	16	2	27	14	32
210	*P. cynocephalus*	1	LNHM 1895.5.4.1	9	37	17	15	3	30	16	24
211	*P. cynocephalus*	1	LNHM 1914.4.29.1	13	43	18	16	2	30	17	31
212	*P. cynocephalus*	1	LNHM 1916.2.26.2	13	37	15	14	2	29	13	22
213	*P. cynocephalus*	1	LNHM 1927.2.9.1	13	42	21	18	3	34	16	26
214	*P. cynocephalus*	1	LNHM 1961.8.9.3	15	37	17	16	2	26	15	23
215	*P. cynocephalus*	1	LNHM 1962.7.6.13	12	37	18	16	2	30	18	28
216	*P. cynocephalus*	1	LNHM 1966.491	9	39	18	14	2	33	19	30
217	*P. cynocephalus*	1	LNHM 1967.1658	18	40	19	16	2	28	12	20
218	*P. cynocephalus*	1	LNHM 1969.555	22	42	19	15	2	27	15	24
219	*P. cynocephalus*	1	LNHM 1969.556	12	38	18	15	2	27	14	26
220	*P. cynocephalus*	1	LNHM 1969.561	14	35	17	15	1	28	13	24
221	*P. cynocephalus*	1	LNHM 1972.129	11	44	20	18	2	34	19	31
222	*P. cynocephalus*	1	ZAI 6397	10	43	18	18	2	32	15	31
223	*P. anubis*	2	LNHM 1901.8.9.23	19	43	17	14	4	29	14	26
224	*P. anubis*	2	LNHM 1908.8.9.42	15	37	20	16	2	32	15	26
225	*P. anubis*	2	LNHM 1914.3.8.2	17	40	18	13	2	29	12	22
226	*P. anubis*	2	LNHM 1924.8.6.16	20	45	20	16	2	32	16	26
227	*P. anubis*	2	LNHM 1930.12.12	16	41	17	16	3	30	15	28
228	*P. anubis*	2	LNHM 1939.1035	10	41	21	16	4	32	16	26
229	*P. anubis*	2	LNHM 1962.25	16	39	18	14	3	27	13	26
230	*P. anubis*	2	LNHM 1964.2174	20	42	20	15	2	30	15	29
231	*P. anubis*	2	PNHM 1853.438	13	42	20	15	3	33	14	26
232	*P. anubis*	2	ZAI 10761	19	42	18	14	2	30	15	23
233	*P. cynocephalus*	2	LNHM 1924.1.1.6	13	39	18	14	2	28	12	24
234	*P. cynocephalus*	2	LNHM 1936C	12	40	17	14	4	28	13	24
235	*P. cynocephalus*	2	LNHM 1961.737	ND	ND	16	14	2	27	13	19
236	*P. cynocephalus*	2	LNHM 1961.74	16	37	16	13	2	25	13	19
237	*P. cynocephalus*	2	LNHM 1961.758	ND	ND	ND	ND	2	25	14	21
238	*P. cynocephalus*	2	LNHM 1961.778	22	ND	ND	ND	2	25	11	21
239	*P. cynocephalus*	2	LNHM 1966.769	18	46	16	15	3	30	17	21
240	*P. cynocephalus*	2	LNHM 1966.77	12	33	17	14	1	29	15	20
241	*P. cynocephalus*	2	ZAI 6760	13	38	17	14	2	26	ND	24
242	*T. gelada*	1	BNHM 14.VI.1924	4	38	19	16	2	28	13	28
243	*T. gelada*	1	BNHM 16.VII.1927	10	41	18	15	3	28	13	27
244	*T. gelada*	1	BNHM 18.VII.1925	7	36	17	15	2	28	13	29
245	*T. gelada*	1	BNHM 143	ND	ND	ND	ND	ND	ND	ND	ND
246	*T. gelada*	1	BNHM 144	5	37	20	16	3	29	13	32
247	*T. gelada*	1	BNHM 4825	5	43	19	15	2	29	14	31
248	*T. gelada*	1	BNHM 4826	4	43	19	15	2	29	14	33

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	Source	P1	P2	P3	P4	P5	P6	P7
249	*T. gelada*	1	BNHM 45729	This study	ND	47	34	15	11	12	36
250	*T. gelada*	1	BNHM 72127	This study	ND	48	35	16	10	13	36
251	*T. gelada*	1	BNHM 72189	This study	81	48	35	18	11	12	37
252	*T. gelada*	1	BNHM 72190	This study	82	49	30	16	12	13	37
253	*T. gelada*	1	GNHM 497.14	This study	76	49	30	14	ND	12	35
254	*T. gelada*	1	GNHM 835.52	This study	77	47	33	14	10	13	35
255	*T. gelada*	1	LNHM 1857.3.14.2	This study	77	45	33	15	9	12	34
256	*T. gelada*	1	LNHM 1921.11.25.1	This study	85	51	33	15	10	14	37
257	*T. gelada*	1	LNHM 1924.8.7.3	This study	74	44	31	13	8	14	33
258	*T. gelada*	1	LNHM 1924.8.7.4	This study	78	46	34	13	8	13	33
259	*T. gelada*	1	LNHM 1925.12.21.1	This study	78	47	29	14	11	12	35
260	*T. gelada*	1	LNHM 1939.535	This study	74	48	28	13	12	14	36
261	*T. gelada*	1	PNHM 1934.1419	This study	78	46	32	16	10	14	35
262	*T. gelada*	1	PNHM 1962.1468	This study	77	48	32	15	10	13	36
263	*T. gelada*	1	ZAI 6980	This study	81	52	34	16	12	14	36
264	*T. gelada*	2	BNHM 18.VI.1924	This study	60	43	27	14	9	11	31
265	*T. gelada*	2	LLNHM 1924.8.7.5	This study	61	42	26	10	ND	ND	ND
266	*T. gelada*	2	HACB LA37.86	This study	65	44	25	12	9	11	34
267	*T. gelada*	2	PNHM 1969.451	This study	62	41	25	13	8	11	30
268	*T. gelada*	2	PNHM 1969.452	This study	55	39	23	11	4	10	30
269	*T. gelada*	2	PNHM 1969.453	This study	62	43	25	12	6	11	31
270	*T. gelada*	2	PNHM 1971.10	This study	73	48	30	15	9	13	34
271	*T. gelada*	2	PNHM 1934.251	This study	70	44	28	14	8	11	32
272	*T. gelada*	2	PNHM 1942.162	This study	68	40	30	13	8	10	34
273	*T. gelada*	2	ZAI 6850	This study	ND	41	ND	12	ND	ND	ND
274	*T. gelada*	2	ZAI 7186	This study	70	41	28	12	7	11	34
275	*T. gelada*	2	ZAI 8555	This study	68	42	29	13	9	11	32
276	*T. gelada*	2	ZAI 8765	This study	66	43	27	13	10	10	34
277	*T. gelada*	2	ZAI 9278	This study	72	48	29	16	10	12	35
278	*T. gelada*	2	ZAI 9300	This study	63	41	30	12	8	11	33
279	*T. gelada*	2	ZAI 9789	This study	ND	44	37	ND	10	ND	34
280	*T. gelada*	2	ZAI 10126	This study	70	44	28	13	8	12	36
281	*T. gelada*	2	ZAI 10213	This study	71	45	28	14	11	11	33
282	*T. gelada*	2	ZAI 10351	This study	69	48	29	12	9	12	35
283	*T. gelada*	2	ZAI 10354	This study	72	45	30	15	9	12	36
284	*T. gelada*	2	ZAI 10543	This study	74	49	29	16	ND	ND	ND
285	*T. gelada*	2	ZAI 10546	This study	68	44	27	13	ND	12	33

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	P8	P9	P10	P11	P12	P13	P14	P15	P16	M1	M2	M3
249	*T. gelada*	1	BNHM 45729	19	22	22	7.5	6.3	14.0	9.4	21	10	52	22	39
250	*T. gelada*	1	BNHM 72127	21	23	23	ND	6.4	13.3	8.6	20	10	ND	ND	ND
251	*T. gelada*	1	BNHM 72189	23	23	22	7.2	6.8	14.2	9.0	20	9	51	23	41
252	*T. gelada*	1	BNHM 72190	25	23	24	7.5	6.9	14.6	8.9	20	11	50	22	39
253	*T. gelada*	1	GNHM 497.14	ND	26	25	7.3	7.6	14.0	8.3	21	ND	52	20	36
254	*T. gelada*	1	GNHM 835.52	21	ND	25	5.6	6.0	12.7	8.2	23	10	51	19	36
255	*T. gelada*	1	LNHM 1857.3.14.2	23	24	24	6.1	6.5	15.1	8.9	22	10	49	22	38
256	*T. gelada*	1	LNHM 1921.11.25.1	19	27	26	7.3	7.3	15.6	10.5	24	11	60	21	44
257	*T. gelada*	1	LNHM 1924.8.7.3	16	21	22	6.5	6.4	12.9	7.8	19	10	51	20	34
258	*T. gelada*	1	LNHM 1924.8.7.4	20	22	23	5.9	6.0	12.5	8.0	22	8	41	21	37
259	*T. gelada*	1	LNHM 1925.12.21.1	23	22	23	6.3	6.6	14.7	9.0	19	7	ND	ND	ND
260	*T. gelada*	1	LNHM 1939.535	15	23	23	6.9	6.6	14.5	9.6	23	11	54	20	40
261	*T. gelada*	1	PNHM 1934.1419	17	23	22	7.4	6.2	13.6	8.7	20	10	45	20	36
262	*T. gelada*	1	PNHM 1962.1468	17	25	23	7.9	7.1	13.7	8.5	21	10	53	20	37
263	*T. gelada*	1	ZAI 6980	24	24	28	7.6	7.3	13.9	9.0	27	12	48	20	40
264	*T. gelada*	2	BNHM 18.VI.1924	17	19	19	7.2	6.2	7.8	5.6	18	6	34	13	29
265	*T. gelada*	2	LLNHM 1924.8.7.5	14	17	21	5.2	6.2	6.8	5.2	20	4	32	13	27
266	*T. gelada*	2	HACB LA37.86	16	18	ND	5.9	5.9	7.2	5.4	ND	ND	39	13	34
267	*T. gelada*	2	PNHM 1969.451	16	17	19	6.2	6.0	7.1	5.8	18	10	37	13	30
268	*T. gelada*	2	PNHM 1969.452	13	13	17	6.0	6.0	7.2	5.3	16	5	33	12	28
269	*T. gelada*	2	PNHM 1969.453	16	21	21	5.8	6.4	7.2	5.7	17	ND	35	14	28
270	*T. gelada*	2	PNHM 1971.10	20	21	24	ND	ND	7.3	5.6	23	8	42	14	34
271	*T. gelada*	2	PNHM 1934.251	ND	ND	20	7.1	6.1	7.8	6.1	19	8	37	15	31
272	*T. gelada*	2	PNHM 1942.162	16	18	17	6.2	5.8	7.6	5.5	19	6	36	15	32
273	*T. gelada*	2	ZAI 6850	16	16	ND	6.1	6.1	ND	5.9	ND	ND	34	13	30
274	*T. gelada*	2	ZAI 7186	15	16	16	6.9	6.4	8.3	5.6	17	9	39	16	32
275	*T. gelada*	2	ZAI 8555	17	18	20	5.8	6.0	7.8	6.0	20	8	39	13	34
276	*T. gelada*	2	ZAI 8765	ND	ND	21	ND	6.3	ND	6.4	22	ND	34	15	ND
277	*T. gelada*	2	ZAI 9278	20	21	25	7.1	6.2	8.4	5.9	24	8	38	11	35
278	*T. gelada*	2	ZAI 9300	16	16	18	6.2	5.7	7.1	5.2	17	5	33	13	31
279	*T. gelada*	2	ZAI 9789	ND	ND	22	ND	ND	ND	ND	25	ND	40	15	34
280	*T. gelada*	2	ZAI 10126	15	17	19	7.1	6.3	7.7	6.6	19	7	35	15	33
281	*T. gelada*	2	ZAI 10213	19	19	24	6.5	5.9	7.6	5.9	23	7	39	14	33
282	*T. gelada*	2	ZAI 10351	ND	ND	24	6.4	6.4	7.6	5.7	24	ND	36	10	32
283	*T. gelada*	2	ZAI 10354	ND	20	22	6.5	6.5	8.0	7.1	22	8	35	16	30
284	*T. gelada*	2	ZAI 10543	21	ND	24	ND	ND	ND	ND	25	ND	40	16	37
285	*T. gelada*	2	ZAI 10546	19	19	20	ND	6.1	7.4	5.9	20	7	37	15	31

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14
249	*T. gelada*	1	BNHM 45729	11	33	15	19	40	8.4	6.9	10.8	8.1	13.7	9.6
250	*T. gelada*	1	BNHM 72127	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
251	*T. gelada*	1	BNHM 72189	12	33	16	23	39	8.1	6.4	10.6	7.8	13.2	10.0
252	*T. gelada*	1	BNHM 72190	12	33	16	22	41	8.2	6.5	11.1	8.6	14.0	9.8
253	*T. gelada*	1	GNHM 497.14	ND	ND	ND	ND	ND	8.3	6.7	10.4	ND	13.0	ND
254	*T. gelada*	1	GNHM 835.52	10	29	13	20	38	7.1	6.1	10.2	7.0	**12.8**	9.0
255	*T. gelada*	1	LNHM 1857.3.14.2	11	32	12	17	36	7.7	7.1	8.5	7.3	12.1	9.3
256	*T. gelada*	1	LNHM 1921.11.25.1	12	35	15	22	40	8.7	7.3	9.8	8.3	13.1	10.1
257	*T. gelada*	1	LNHM 1924.8.7.3	11	29	12	19	39	**7.6**	6.2	9.9	ND	12.0	**8.8**
258	*T. gelada*	1	LNHM 1924.8.7.4	11	30	13	19	38	ND	6.3	9.7	ND	11.6	ND
259	*T. gelada*	1	LNHM 1925.12.21.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
260	*T. gelada*	1	LNHM 1939.535	11	31	13	19	39	7.9	6.6	10.4	9.0	13.0	9.3
261	*T. gelada*	1	PNHM 1934.1419	11	31	15	20	ND	8.1	**6.4**	10.5	7.5	13.3	9.2
262	*T. gelada*	1	PNHM 1962.1468	12	32	15	21	ND	**8.3**	6.9	10.6	7.7	14.1	9.4
263	*T. gelada*	1	ZAI 6980	12	33	15	21	40	7.9	6.5	**10.9**	7.8	13.2	9.5
264	*T. gelada*	2	BNHM 18.VI.1924	9	26	14	15	37	7.2	6.2	10.2	7.4	12.5	8.7
265	*T. gelada*	2	LLNHM 1924.8.7.5	11	25	12	14	34	34	6.3	5.9	8.3	ND	11.0
266	*T. gelada*	2	HACB LA37.86	11	27	15	12	37	**6.9**	ND	**9.3**	**7.2**	ND	ND
267	*T. gelada*	2	PNHM 1969.451	10	26	13	15	32	**6.5**	**6.6**	**8.3**	**8.4**	**11.0**	**9.2**
268	*T. gelada*	2	PNHM 1969.452	10	24	13	13	33	6.5	6.3	8.5	8.0	11.4	9.1
269	*T. gelada*	2	PNHM 1969.453	11	25	13	14	35	6.4	6.1	**8.9**	**8.3**	11.2	8.7
270	*T. gelada*	2	PNHM 1971.10	11	30	13	15	**37**	7.1	5.8	**10.4**	7.6	12.3	8.5
271	*T. gelada*	2	PNHM 1934.251	10	28	13	15	35	**7.9**	**6.2**	**8.4**	**8.3**	**11.2**	**9.1**
272	*T. gelada*	2	PNHM 1942.162	11	28	13	13	37	7.3	5.9	ND	ND	ND	ND
273	*T. gelada*	2	ZAI 6850	10	28	14	ND	ND	ND	ND	ND	ND	ND	ND
274	*T. gelada*	2	ZAI 7186	10	28	14	14	38	7.9	6.1	9.6	**8.6**	12.2	9.4
275	*T. gelada*	2	ZAI 8555	12	28	11	15	36	**6.5**	**6.0**	**8.7**	7.7	12.1	9.6
276	*T. gelada*	2	ZAI 8765	ND	28	14	ND	ND	8.2	6.5	ND	ND	12.5	9.5
277	*T. gelada*	2	ZAI 9278	13	30	16	15	38	7.9	6.2	9.9	**7.5**	12.5	9.0
278	*T. gelada*	2	ZAI 9300	10	27	13	14	36	7.3	5.9	9.9	7.7	12.4	8.6
279	*T. gelada*	2	ZAI 9789	11	28	12	14	37	7.3	6.0	9.8	7.4	12.3	8.8
280	*T. gelada*	2	ZAI 10126	11	29	14	16	38	7.7	6.7	10.1	7.9	12.5	9.3
281	*T. gelada*	2	ZAI 10213	12	27	14	15	36	8.0	6.0	9.3	7.3	11.9	9.3
282	*T. gelada*	2	ZAI 10351	11	28	14	**15**	38	8.0	ND	10.8	8.0	12.8	8.8
283	*T. gelada*	2	ZAI 10354	11	29	14	15	38	8.1	6.5	**9.6**	7.8	12.3	9.9
284	*T. gelada*	2	ZAI 10543	14	33	15	ND	ND	ND	ND	ND	ND	**13.2**	**10.3**
285	*T. gelada*	2	ZAI 10546	11	28	14	14	**36**	7.6	ND	9.1	7.0	12.1	8.7

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
249	*T. gelada*	1	BNHM 45729	96	21	73	112	76	9	22	31	16	77	46	5
250	*T. gelada*	1	BNHM 72127	96	24	70	ND	ND	7	18	ND	17	72	43	5
251	*T. gelada*	1	BNHM 72189	104	27	71	ND	ND	8	21	ND	18	78	47	4
252	*T. gelada*	1	BNHM 72190	97	25	68	116	78	8	21	33	16	73	43	4
253	*T. gelada*	1	GNHM 497.14	84	18	64	108	73	10	24	30	17	66	ND	ND
254	*T. gelada*	1	GNHM 835.52	91	18	ND	114	74	12	ND	31	18	73	44	3
255	*T. gelada*	1	LNHM 1857.3.14.2	ND	19	71	ND	ND	ND	ND	32	19	ND	ND	ND
256	*T. gelada*	1	LNHM 1921.11.25.1	104	25	64	114	83	8	22	32	18	80	47	5
257	*T. gelada*	1	LNHM 1924.8.7.3	84	18	ND	108	77	8	20	30	16	65	39	4
258	*T. gelada*	1	LNHM 1924.8.7.4	94	20	64	110	73	10	22	35	15	75	47	3
259	*T. gelada*	1	LNHM 1925.12.21.1	92	18	ND	110	75	8	ND	33	16	72	41	6
260	*T. gelada*	1	LNHM 1939.535	89	18	62	108	74	9	22	31	19	70	42	3
261	*T. gelada*	1	PNHM 1934.1419	94	21	67	109	73	9	22	29	15	73	45	5
262	*T. gelada*	1	PNHM 1962.1468	94	21	73	112	78	11	21	33	19	74	44	6
263	*T. gelada*	1	ZAI 6980	83	21	75	119	ND	11	21	31	20	63	35	2
264	*T. gelada*	2	BNHM 18.VI.1924	73	14	61	94	67	7	21	27	14	60	36	3
265	*T. gelada*	2	LLNHM 1924.8.7.5	71	13	56	94	65	7	19	27	13	57	35	4
266	*T. gelada*	2	HACB LA37.86	71	17	64	94	65	8	21	27	14	56	33	2
267	*T. gelada*	2	PNHM 1969.451	71	17	57	94	71	7	20	26	15	55	32	1
268	*T. gelada*	2	PNHM 1969.452	65	12	56	ND	ND	6	19	25	13	54	33	1
269	*T. gelada*	2	PNHM 1969.453	66	13	59	94	69	7	19	26	15	53	31	2
270	*T. gelada*	2	PNHM 1971.10	72	19	64	98	71	9	20	26	16	53	31	3
271	*T. gelada*	2	PNHM 1934.251	75	16	65	99	71	8	21	28	15	61	37	ND
272	*T. gelada*	2	PNHM 1942.162	76	20	64	95	63	7	20	24	16	57	33	4
273	*T. gelada*	2	ZAI 6850	70	13	60	94	67	8	22	27	14	58	32	3
274	*T. gelada*	2	ZAI 7186	79	19	61	99	75	8	21	28	15	61	36	2
275	*T. gelada*	2	ZAI 8555	74	16	62	99	64	9	18	25	15	57	33	3
276	*T. gelada*	2	ZAI 8765	79	14	66	102	72	8	23	30	16	67	41	4
277	*T. gelada*	2	ZAI 9278	81	18	69	106	78	9	19	31	16	62	37	4
278	*T. gelada*	2	ZAI 9300	73	34	60	90	66	6	19	26	15	60	34	2
279	*T. gelada*	2	ZAI 9789	ND	ND	66	101	68	8	20	28	15	64	36	1
280	*T. gelada*	2	ZAI 10126	82	18	65	97	69	7	19	27	16	64	36	4
281	*T. gelada*	2	ZAI 10213	76	16	66	101	74	8	22	27	14	62	35	2
282	*T. gelada*	2	ZAI 10351	73	16	70	98	70	11	21	27	15	ND	ND	2
283	*T. gelada*	2	ZAI 10354	78	18	66	99	71	8	20	27	17	61	35	3
284	*T. gelada*	2	ZAI 10543	81	18	71	108	73	9	21	29	17	63	38	3
285	*T. gelada*	2	ZAI 10546	66	14	71	99	71	10	21	26	16	53	29	4

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	F13	F14	F15	F16	C1	C2	C3	C4	C5	C6	C7	C8
249	*T. gelada*	1	BNHM 45729	12	67	93	143	107	67	43	84	68	53	42	37
250	*T. gelada*	1	BNHM 72127	11	ND	93	149	108	69	46	82	67	51	46	38
251	*T. gelada*	1	BNHM 72189	11	ND	93	148	108	65	44	83	69	52	45	37
252	*T. gelada*	1	BNHM 72190	12	65	91	143	106	69	46	84	70	54	42	35
253	*T. gelada*	1	GNHM 497.14	13	64	88	137	103	71	42	78	59	46	49	35
254	*T. gelada*	1	GNHM 835.52	10	66	ND	141	98	66	43	82	59	46	42	34
255	*T. gelada*	1	LNHM 1857.3.14.2	13	ND	95	ND	105	ND	ND	85	70	56	45	35
256	*T. gelada*	1	LNHM 1921.11.25.1	13	64	96	152	102	65	43	84	64	50	47	31
257	*T. gelada*	1	LNHM 1924.8.7.3	11	65	87	136	98	61	41	77	59	51	45	31
258	*T. gelada*	1	LNHM 1924.8.7.4	12	70	91	145	99	64	42	78	63	51	51	34
259	*T. gelada*	1	LNHM 1925.12.21.1	11	70	90	142	104	67	40	79	63	51	43	34
260	*T. gelada*	1	LNHM 1939.535	14	63	90	141	104	67	42	80	65	53	42	36
261	*T. gelada*	1	PNHM 1934.1419	11	65	91	139	104	68	45	79	67	53	43	36
262	*T. gelada*	1	PNHM 1962.1468	14	65	93	140	107	67	45	82	67	53	43	37
263	*T. gelada*	1	ZAI 6980	12	ND	95	147	108	68	47	88	70	52	42	35
264	*T. gelada*	2	BNHM 18.VI.1924	10	56	80	113	99	61	43	69	63	51	38	35
265	*T. gelada*	2	LLNHM 1924.8.7.5	11	60	80	116	94	59	41	65	59	50	37	31
266	*T. gelada*	2	HACB LA37.86	10	57	ND	ND	105	64	46	72	63	50	50	37
267	*T. gelada*	2	PNHM 1969.451	11	54	73	111	89	64	42	68	59	49	37	33
268	*T. gelada*	2	PNHM 1969.452	8	49	71	102	89	59	39	63	54	45	39	31
269	*T. gelada*	2	PNHM 1969.453	9	56	81	113	98	61	42	67	57	45	43	32
270	*T. gelada*	2	PNHM 1971.10	11	56	85	125	103	64	45	71	62	45	41	35
271	*T. gelada*	2	PNHM 1934.251	9	58	83	122	ND	ND	42	73	64	51	ND	ND
272	*T. gelada*	2	PNHM 1942.162	8	55	79	116	ND	ND	44	ND	ND	ND	53	33
273	*T. gelada*	2	ZAI 6850	11	50	81	109	98	62	44	69	62	49	44	35
274	*T. gelada*	2	ZAI 7186	10	55	83	123	99	62	42	69	67	52	38	30
275	*T. gelada*	2	ZAI 8555	8	55	84	122	100	64	43	71	66	49	40	34
276	*T. gelada*	2	ZAI 8765	12	58	88	120	104	62	48	77	66	48	43	37
277	*T. gelada*	2	ZAI 9278	9	57	92	129	112	65	46	80	73	54	42	37
278	*T. gelada*	2	ZAI 9300	10	54	80	114	97	60	42	68	65	50	36	33
279	*T. gelada*	2	ZAI 9789	ND	56	88	ND	106	63	46	75	67	50	46	32
280	*T. gelada*	2	ZAI 10126	10	54	83	123	98	59	43	71	64	48	42	30
281	*T. gelada*	2	ZAI 10213	10	57	85	124	107	64	45	74	64	49	46	35
282	*T. gelada*	2	ZAI 10351	10	56	90	124	109	60	47	76	69	53	43	36
283	*T. gelada*	2	ZAI 10354	10	57	85	126	106	64	44	99	63	46	48	35
284	*T. gelada*	2	ZAI 10543	10	61	97	130	113	66	46	80	71	48	45	37
285	*T. gelada*	2	ZAI 10546	10	55	86	120	ND	ND	46	74	ND	ND	42	33

Appendix 2 - Dataset B

Specimen	Taxon	Sex	Museum code	C9	C10	C11	C12	C13	C14	C15	C16
249	*T. gelada*	1	BNHM 45729	7	38	19	15	2	30	12	28
250	*T. gelada*	1	BNHM 72127	8	42	18	16	3	28	13	28
251	*T. gelada*	1	BNHM 72189	7	40	18	17	2	28	12	30
252	*T. gelada*	1	BNHM 72190	7	41	18	17	2	28	13	30
253	*T. gelada*	1	GNHM 497.14	10	39	18	15	2	28	13	27
254	*T. gelada*	1	GNHM 835.52	12	36	19	16	2	28	13	26
255	*T. gelada*	1	LNHM 1857.3.14.2	6	35	18	14	1	ND	12	30
256	*T. gelada*	1	LNHM 1921.11.25.1	7	35	18	14	3	27	15	29
257	*T. gelada*	1	LNHM 1924.8.7.3	7	32	19	15	1	27	14	30
258	*T. gelada*	1	LNHM 1924.8.7.4	6	35	19	14	2	30	15	29
259	*T. gelada*	1	LNHM 1925.12.21.1	14	39	19	16	2	ND	13	25
260	*T. gelada*	1	LNHM 1939.535	9	40	18	15	3	27	13	29
261	*T. gelada*	1	PNHM 1934.1419	6	39	18	15	2	27	12	28
262	*T. gelada*	1	PNHM 1962.1468	8	40	19	17	2	29	12	27
263	*T. gelada*	1	ZAI 6980	5	39	20	16	2	29	14	33
264	*T. gelada*	2	BNHM 18.VI.1924	11	39	17	14	2	26	11	24
265	*T. gelada*	2	LLNHM 1924.8.7.5	14	34	18	14	1	27	12	23
266	*T. gelada*	2	HACB LA37.86	9	38	16	14	2	ND	ND	ND
267	*T. gelada*	2	PNHM 1969.451	13	39	18	14	2	25	11	22
268	*T. gelada*	2	PNHM 1969.452	13	34	17	14	2	25	12	20
269	*T. gelada*	2	PNHM 1969.453	13	38	17	14	2	25	12	22
270	*T. gelada*	2	PNHM 1971.10	12	40	17	15	3	26	12	27
271	*T. gelada*	2	PNHM 1934.251	11	39	16	ND	3	25	11	24
272	*T. gelada*	2	PNHM 1942.162	9	36	17	14	2	25	11	25
273	*T. gelada*	2	ZAI 6850	7	36	18	13	2	25	ND	22
274	*T. gelada*	2	ZAI 7186	6	34	17	14	3	24	11	25
275	*T. gelada*	2	ZAI 8555	7	38	18	14	2	28	11	24
276	*T. gelada*	2	ZAI 8765	5	38	17	14	3	28	11	26
277	*T. gelada*	2	ZAI 9278	10	41	19	14	4	29	11	29
278	*T. gelada*	2	ZAI 9300	9	35	16	13	2	24	11	22
279	*T. gelada*	2	ZAI 9789	6	37	17	14	4	28	11	26
280	*T. gelada*	2	ZAI 10126	5	35	18	13	2	25	11	24
281	*T. gelada*	2	ZAI 10213	10	40	16	15	4	26	11	26
282	*T. gelada*	2	ZAI 10351	8	36	17	14	3	27	12	24
283	*T. gelada*	2	ZAI 10354	11	38	17	14	3	28	12	25
284	*T. gelada*	2	ZAI 10543	7	41	17	16	5	27	12	28
285	*T. gelada*	2	ZAI 10546	7	36	ND	14	3	25	10	26

Codes used in appendices

SEX

1	Male
2	Female

MUSEUM CODE

BNHM	Museum für Naturkunde, Humboldt-Universitat zu Berlin, Berlin.
GNHM	Muséum d'Histoire Naturelle, Genève.
HACB	Department of Human Anatomy and Cell Biology, University of Liverpool.
LNHM	Natural History Museum, London.
NNHM	American Museum of Natural History, New York.
PNHM	Muséum d'Histoire Naturelle, Paris.
ZAI	Anthropologisches Institut und Museum, Universität Zürich-Irchel, Zurich.

P1 - C16

ND	No data.
Bold fig.	Approximation.