

Supplementary Information:

Further insight into an unnamed, medium-sized crouzeliid pliopithecoid from the Vallès-Penedès Basin (NE Iberian Peninsula)

Florian Bouchet^{a,*}, Clément Zanolli^b, Josep Fortuny^a, Salvador Moyà-Solà^{a,c,d}, David M. Alba^{a,*}

*Correspondence:

Florian Bouchet

florian.bouchet@icp.cat

David M. Alba

david.alba@icp.cat

Table S1. Dental character statements employed in the cladistic analysis. Characters #001 to #095 are those from Bouchet et al. (2024: Supplementary Data 1). Character number (in bold type) is followed by character and character state definition. 24 characters were continuous and discretized.

#001: I1–I2 size heteromorphy: 0, low; 1, moderate; 2, marked.

#002: I1–I2 lingual morphology: 0, lingual features (other than lingual cingulum, if present) absent or poorly-developed; 1, lingual features (basal bulge, pillar and/or crenulations) well developed.

#003: Lingual cingulum and crown base of I1: 0, narrow cingulum with slender crown base; 1, broad cingulum with bulging crown base.

#004: I2 morphology: 0, peg-shaped; 1, spatulate.

#005: Apicobasal height of I1 relative to mesiodistal length: 0, low-crowned; 1, high-crowned.

#006: Apicobasal height of I2 relative to mesiodistal length: 0, low-crowned; 1, high-crowned.

#007: i2 mesiodistal waisting: 0, absent; 1, present.

#008: i2 mesial margin: 0, straight to slightly inclined; 1, clearly inclined mesialward.

#009: i2 distal margin: 0, markedly angled; 1, rather straight.

#010: i2 distal prong: 0, absent to slightly developed; 1, well developed.

#011: Apicobasal height of i1 relative to mesiodistal length: 0, high-crowned; 1, very high-crowned.

#012: Apicobasal height of i2 relative to mesiodistal length: 0, high-crowned; 1, very high-crowned.

#013: Male C1 crown shape: 0, moderately compressed but not very high and not markedly dagger-like; 1, male upper canine crown very compressed, high, and dagger-like; 2, male upper canine crown stouter and less compressed.

#014: Male C1 sulcus: 0, sulcus not extending onto root; 1, sulcus extending onto root.

#015: Female c1 length/breadth index: 0, broad; 1, narrow.

#016: Female c1 apicobasal height relative to mesiodistal length: 0, low-crowned; 1, high-crowned.

#017: Mesiolingual cristid-lingual cingulid thickening in the female c1: 0, restricted angle to rounded angle; 1, slightly prominent angle; 2, prominent angle, cuspid-like.

#018: Position of the Mesiolingual cristid-lingual cingulid junction in the female c1: 0, at about crown-midheight; 1, higher.

#019: P3 breadth/length index: 0, very broad; 1, broad.

#020: P3 length relative to P4 length: 0, P3 shorter to subequal in length to P4; 1, P3 longer than P4.

#021: P3 length relative to M2 length: 0, P3 markedly shorter than M2; 1, P3 moderately shorter than M2.

#022: P3 cusp heteromorphy: 0, strong with tall paracone; 1, reduced with tall paracone; 2, reduced with low paracone.

#023: P3 central fovea shape: 0, broader than long; 1, relatively narrower.

#024: P3 buccal wall shape: 0, clearly triangular; 1, subtriangular to slightly rhomboid; 2, clearly rhomboid.

#025: P3 buccal wall height in buccal view: 0, low; 1, high.

#026: P3 lingual cingulum: 0, conspicuously present in most instances; 1, usually absent or poorly developed.

#027: P3 paracone position along the crown buccolingual axis: 0, very peripheral; 1, not very peripheral.

#028: P4 occlusal contour: 0, (sub)triangular; 1, (sub)oval to (sub)elliptical.

#029: P4 breadth/length index: 0, very broad; 1, broad.

#030: P4 length relative to M2 length: 0, P4 markedly shorter than M2; 1, P4 moderately shorter than M2.

#031: P4 lingual cingulum: 0, conspicuously present in most instances; 1, usually absent or poorly developed.

#032: P4 central fovea shape: 0, broader than long; 1, relatively narrower.

#033: P4 paracone position along the crown buccolingual axis: 0, very peripheral; 1, not very peripheral.

#034: p3 sectoriality: 0, non-sectorial to poorly sectorial; 1, moderately sectorial; 2, markedly to strongly sectorial.

#035: p3 mesiobuccal honing face length: 0, long; 1, short.

#036: p3 mesiobuccal honing face inclination: 0, inclined; 1, steep.

#037: Metaconid on p3: 0, absent; 1, small; 2, prominent.

- #038:** p4 crown shape: 0, (sub)rectangular to (sub)elliptical; 1, more clearly (sub)oval.
- #039:** p4 breadth/length index: 0, very to slightly narrow; 1, slightly broader than long.
- #040:** p4 length relative to m2 length: 0, p4 markedly shorter than m2; 1, p4 moderately shorter than m2.
- #041:** p4 buccal cingulid: 0, shelf-like from mesial to distal; 1, clearly disrupted or limited to some portions of the crown.
- #042:** Bilophodont molars: 0, absent; 1, present.
- #043:** Molar cusp morphology: 0, rounded cusps; 1, pyramidal cusps; 2, pyramidal but somewhat compressed cusps; 3, very compressed cusps.
- #044:** Upper molar cusp height: 0, low cusps; 1, high cusps.
- #045:** (Lower) molar cusp peripheralization: 0, cusps not peripheral; 1, cusps moderately peripheral; 2, cusps very peripheral.
- #046:** Molar crest morphology: 0, blunt crests; 1, moderately sharp crests; 2, markedly sharp crests.
- #047:** M1–M2 waisting: 0, absent to slight; 1, moderate to marked.
- #048:** M1 length/breadth index: 0, very broad; 1, moderately broad.
- #049:** M2 length/breadth index: 0, very broad; 1, moderately broad.
- #050:** M3 length/breadth index: 0, very broad; 1, moderately broad.
- #051:** M1/M2 length ratio: 0, M1 moderately shorter than M2; 1, M1 slightly shorter to subequal in length to M2.
- #052:** M3/M2 length ratio: 0, M3 moderately shorter than M2; 1, M3 slightly shorter to subequal in length to M2.
- #053:** M1–M3 protoconule: 0, present and large; 1, present and small; 2, usually absent or poorly distinct.
- #054:** M1–M2 buccal cingulum: 0, well-developed; 1, variously present or discontinuous/poorly developed.
- #055:** M3 buccal cingulum: 0, well-developed; 1, poorly developed.
- #056:** M1–M2 lingual cingulum breadth: 0, very to moderately broad; 1, narrow.
- #057:** M1–M2 lingual cingulum distal development: 0, not surrounding the hypocone; 1, surrounding the hypocone or showing clear distal style(s).
- #058:** M3 lingual cingulum: 0, well-developed; 1, moderately developed; 2, poorly developed.

#059: Crista obliqua in upper molars: 0, present in all instances; 1, variably present.

#060: M2–M3 metacone size: 0, large; 1, small (compared to the protocone and paracone).

#061: M1–M2 hypocone size (relative to metacone and paracone): 0, similarly sized to slightly smaller; 1, much smaller.

#062: M3 hypocone size (relative to metacone and paracone): 0, large; 1, small; 2, absent or rudimentary.

#063: M1–M2 paracone buccal position relative to the metacone (more marked in the M2): 0, markedly buccal; 1, buccal.

#064: M1–M2 protocone distal position relative to the paracone: 0, clearly distal; 1, distal; 2, aligned.

#065: M3 protocone distal position relative to the paracone: 0, clearly distal; 1, distal; 2, aligned.

#066: M1–M2 hypocone lingual position relative to the protocone: 0, clearly more lingual; 1, almost aligned or lingual.

#067: M3 hypocone lingual position relative to the protocone: 0, aligned; 1, clearly lingual.

#068: M1–M2 buccal profile length: 0, moderately longer than the lingual profile; 1, markedly longer than the lingual profile.

#069: M1–M3 hypocone-metacone crista: 0, absent; 1, disrupted; 2, complete.

#070: M1–M2 prehypocrista: 0, present and meets protocone; 1, variably present (meets protocone); 2, present and meets crista obliqua.

#071: M1–M2 trigon basin: 0, as long as broad; 1, broader than long.

#072: M1–M2 distal fovea: 0, shorter than trigon; 1, clearly longer than trigon, at least in some molars.

#073: m1–m3 cusps: 0, medium-sized to extensive; 1, more discrete.

#074: m1–m3 mesial arm of pliopithecine triangle: 0, always absent; 1, variably present and/or incipient; 2, present in some molar, constituting a pliopithecine triangle.

#075: m1–m3 distal arm of pliopithecine triangle: 0, always absent; 1, variably present and/or poorly constituted; 2, well constituted.

#076: m1–m3 buccal cingulid width: 0, Ledge-like; 1, moderately broad; 2, narrow to absent.

#077: m1–m3 buccal cingulid extent: 0, continuous at least in some molar; 1, usually discontinuous; 2, limited to some stylids.

#078: m1–m3 mesial fovea: 0, very large, about as long as broad; 1, small to restricted, clearly broader than long.

#079: m1 breadth/length index: 0, very narrow; 1, moderately narrow.

#080: m2 breadth/length index: 0, very narrow; 1, moderately narrow.

#081: m1/m2 length ratio: 0, m1 moderately shorter than m2; 1, m1 only slightly shorter than m2.

#082: m1–m2 hypoconulid size: 0, present and well developed in all instances; 1, present in all instances but clearly reduced in size; 2, almost indistinguishable or absent.

#083: m1–m2 protoconid mesial position relative to the metaconid: 0, clearly more mesial; 1, almost transversely aligned.

#084: m1–m2 entoconid distal position relative to the hypoconid: 0, clearly more distal; 1, almost transversely aligned.

#085: m1–m2 hypoconulid position if present: 0, median or slightly buccal; 1, clearly buccal.

#086: m1–m3 crest pattern: 0, hypoprotocristid originates lingually from protoconid, cristid obliqua (if present) joins the protoconid distally; 1, hypoprotocristid originates distally or distolingually from protoconid, from where the inclined cristid obliqua joins protoconid, at least in m1; 2, hypoprotocristid originates distally from protoconid, the inclined cristid obliqua joins the hypoprotocristid-hypometacristid (Y crest pattern) at least in m1; 3, only cristid obliquid is present so that the mesial fovea communicates with the talonid.

#087: m1–m3 postcristid-hypoentocristid: 0, present; 1, absent.

#088: m1–m3 talonid secondary wrinkling: 0, present; 1, absent.

#089: m1–m2 distal fovea: 0, opens on the talonid basin (at least in some molars); 1, large to medium-sized and separated from the talonid basin; 2, small and separated from the talonid basin.

#090: m3 breadth/length index: 0, very narrow; 1, moderately narrow.

#091: m3/m2 length ratio: 0, m1 moderately shorter than m2; 1, m1 only slightly shorter than m2.

#092: p4 distal tubercles: 0, small or indistinct; 1, prominent.

#093: m3 entoconid relative size: 0, small; 1, large.

#094: m3 hypoconulid size: 0, present and well developed in all instances; 1, present in all instances but clearly reduced in size; 2, almost indistinguishable or absent.

#095: m3 hypoconulid position if present: 0, median or slightly buccal; 1, clearly buccal.

#096: dp4 breadth-length index: 0, very narrow; 1, moderately narrow.

#097: dp4 cuspid morphology: 0, rounded cusps; 1, pyramidal cusps; 2, pyramidal but compressed cusps.

#098: dp4 cuspid peripheralization: 0, quite peripheral; 1, moderately peripheral.

#099: dp4 buccal cingulid: 0, moderately developed; 1, narrow to reduced; 2, completely absent.

#100: dp4 distal lobe width: 0, similar to slightly wider than the mesial lobe; 1, clearly wider than the mesial lobe.

#101: dp4 protoconid-metaconid alignment: 0, oblique (protoconid clearly more mesial than metaconid); 1, slightly oblique or transverse (protoconid no more mesial or only slightly more mesial than metaconid).

#102: dp4 hypoconid-entoconid alignment: 0, clearly oblique (entoconid more distal than hypoconid); 1, slightly oblique to transverse (entoconid no more distal than hypoconid or only slightly).

#103: dp4 hypoconulid size: 0, present and well developed; 1, present but reduced in size; 2, vestigial; 3, absent.

#104: dp4 hypoconulid position when present: 0, median or slightly buccal; 1, lingual.

#105: dp4 crest pattern: 0, hypoprotocristid originates lingually from protoconid, cristid obliqua (if present) joins the protoconid distally; 1, hypoprotocristid originates distally or distolingually from protoconid, from where the inclined cristid obliqua joins protoconid; 2, hypoprotocristid originates distally from protoconid, the inclined cristid obliqua joins the hypoprotocristid-hypometacristid (Y crest pattern).

#106: dp4 mesial fovea: 0, very large, about as long as broad; 1, somewhat less extensive, broader than long.

#107: dp4 distal fovea: 0, rather large; 1, small; 2, vestigial; 3, absent.

Table S2. Taxon-character matrix of 107 characters and 28 taxa used in the cladistic analysis. Missing data are denoted by a question mark.

[illegible]

Table S3. List of apomorphies of the clades recovered in the consensus tree from the 144 most parsimonious trees. Double arrows ‘==>’ denote unambiguous changes, whereas single arrows ‘->’ denote ambiguous changes (i.e., including reversals). See character statements in Table S1 and node numbers in Fig. 4.

Branch	Character	Steps	CI	Change

node 19 <-> <i>Aegyptopithecus zeuxis</i>	11	1	0.250	1 <-> 0
	12	1	0.333	1 <-> 0
	15	1	0.250	1 <-> 0
	19	1	0.250	1 <-> 0
	24	1	1.000	1 <-> 0
	26	1	1.000	1 <-> 0
	29	1	0.143	0 <-> 1
	33	1	0.200	0 <-> 1
	40	1	0.200	1 <-> 0
	43	1	0.500	1 <=> 0
	44	1	0.250	1 <-> 0
	57	1	0.250	0 <=> 1
	71	1	0.200	1 <=> 0
	81	1	0.143	0 <-> 1
	89	1	0.333	1 <-> 2
	95	1	1.000	1 <-> 0
node 19 --> <i>Saadanius hijazensis</i>	4	1	0.333	0 ==> 1
	21	1	0.333	1 ==> 0
	30	1	1.000	1 ==> 0
	47	1	0.167	0 ==> 1
	51	1	0.200	1 ==> 0
node 19 --> node 18	20	1	0.250	1 ==> 0
	23	1	0.250	1 ==> 0
	32	1	0.333	1 ==> 0
	46	1	0.500	0 ==> 1
	54	1	1.000	0 ==> 1
	56	1	0.167	0 --> 1
	60	1	0.333	0 --> 1
	62	1	0.400	0 ==> 1
	65	1	0.667	0 ==> 1
	67	1	0.500	1 ==> 0
node 18 --> node 17	7	1	0.500	0 ==> 1
	17	1	0.500	0 --> 1
	18	1	0.500	1 ==> 0
	35	1	1.000	0 ==> 1

node 13 --> node 11

node 11 --> node 10

node 10 --> node 4

node 4 --> node 3

58	1	0.333	0	-->	1
63	1	0.500	0	==>	1
74	1	0.500	0	==>	2
75	1	0.286	0	==>	2
94	1	1.000	0	==>	1
97	1	0.667	0	-->	1
98	1	1.000	0	-->	1
103	1	0.667	0	-->	1
5	1	0.333	0	-->	1
11	1	0.250	1	-->	0
32	1	0.333	0	-->	1
48	1	0.200	0	-->	1
49	1	0.200	0	-->	1
65	1	0.667	1	-->	0
68	1	0.500	0	-->	1
71	1	0.200	1	-->	0
81	1	0.143	0	-->	1
90	1	0.333	1	==>	0
97	1	0.667	1	-->	2
100	1	0.500	0	-->	1
102	1	0.333	1	-->	0
105	1	0.667	0	-->	2
8	1	0.500	0	==>	1
23	1	0.250	0	==>	1
37	1	0.333	0	-->	1
38	1	0.200	1	==>	0
39	1	0.167	1	-->	0
41	1	0.333	0	-->	1
80	1	0.200	1	==>	0
16	1	0.333	0	-->	1
20	1	0.250	0	-->	1
43	1	0.500	1	==>	2
61	1	0.500	0	==>	1
78	1	0.500	1	==>	0
84	1	0.167	0	-->	1
106	1	0.333	1	-->	0
15	1	0.250	1	-->	0
17	1	0.500	1	-->	2
37	1	0.333	1	-->	0
46	1	0.500	1	==>	2
52	1	0.250	1	-->	0
56	1	0.167	1	-->	0
58	1	0.333	1	-->	2
62	1	0.400	1	-->	2
79	1	0.250	1	==>	0
86	1	0.500	0	==>	1

	89	1	0.333	1 ==> 0
node 3 --> <i>Pliobates cataloniae</i>	38	1	0.200	0 ==> 1
	74	1	0.500	2 ==> 0
	96	1	0.333	1 ==> 0
	102	1	0.333	0 --> 1
node 3 --> node 2	41	1	0.333	1 --> 0
	75	1	0.286	2 ==> 1
	82	1	0.600	0 ==> 1
	84	1	0.167	1 --> 0
	100	1	0.500	1 --> 0
	103	1	0.667	1 --> 2
	107	1	0.667	0 --> 2
node 2 --> <i>Plesiopliopithecus lockeri</i>	89	1	0.333	0 ==> 2
node 2 --> node 1	76	1	0.250	0 ==> 1
	87	1	0.333	0 ==> 1
node 29 --> <i>Crouzelia rhodanica</i>	82	1	0.600	1 ==> 2
node 4 --> <i>Barberapithecus huerzeleri</i>	47	1	0.167	0 ==> 1
	48	1	0.200	1 ==> 0
	49	1	0.200	1 --> 0
	55	1	0.333	1 ==> 0
	76	1	0.250	0 ==> 1
node 10 --> node 9	3	1	1.000	0 ==> 1
	27	1	0.500	1 ==> 0
	47	1	0.167	0 ==> 1
	76	1	0.250	0 --> 2
	77	1	0.500	0 ==> 1
	99	1	0.667	0 ==> 1
	107	1	0.667	0 ==> 1
node 9 --> node 7	19	1	0.250	1 ==> 0
	60	1	0.333	1 ==> 0
	75	1	0.286	2 ==> 1
	92	1	1.000	0 ==> 1
node 7 --> node 6	7	1	0.500	1 --> 0
	17	1	0.500	1 --> 2
	34	1	1.000	1 ==> 0
	37	1	0.333	1 ==> 2
	43	1	0.500	1 --> 2
	55	1	0.333	1 --> 0
	56	1	0.167	1 --> 0
	76	1	0.250	2 --> 0
	78	1	0.500	1 --> 0
	86	1	0.500	0 ==> 2
node 6 --> <i>Egarapithecus narcisoi</i>	76	1	0.250	0 --> 1
	79	1	0.250	1 ==> 0
	85	1	0.333	0 ==> 1
node 6 --> <i>Anapithecus hernyaki</i>	39	1	0.167	0 --> 1

	43	1	0.500	2 --> 3
	46	1	0.500	1 ==> 2
	89	1	0.333	1 ==> 2
node 7 --> node 5	13	1	0.667	0 --> 1
	61	1	0.500	0 --> 1
	74	1	0.500	2 ==> 1
node 5 --> <i>Laccopithecus robustus</i>	50	1	0.200	0 ==> 1
	75	1	0.286	1 ==> 0
node 5 --> <i>Krishnapithecus krishnai</i>	43	1	0.500	1 ==> 0
	45	1	0.667	0 ==> 2
	62	1	0.400	1 ==> 2
	73	1	1.000	0 ==> 1
	82	1	0.600	0 ==> 1
	86	1	0.500	0 ==> 3
	87	1	0.333	0 ==> 1
	88	1	0.500	0 ==> 1
	89	1	0.333	1 ==> 0
node 9 --> node 8	4	1	0.333	0 --> 1
	15	1	0.250	1 --> 0
	39	1	0.167	0 --> 1
	40	1	0.200	1 --> 0
	41	1	0.333	1 --> 0
	44	1	0.250	1 ==> 0
	51	1	0.200	1 --> 0
	52	1	0.250	1 --> 0
	58	1	0.333	1 --> 2
	79	1	0.250	1 --> 0
	81	1	0.143	1 --> 0
	89	1	0.333	1 --> 2
	91	1	0.200	1 --> 0
	96	1	0.333	1 ==> 0
node 8 --> <i>Fanchangia jini</i>	97	1	0.667	2 ==> 1
	105	1	0.667	2 ==> 1
node 8 --> <i>Anapithecinae</i> nov.	49	1	0.200	1 --> 0
	68	1	0.500	1 ==> 0
	103	1	0.667	1 ==> 2
	104	1	1.000	0 ==> 1
	106	1	0.333	1 ==> 0
	107	1	0.667	1 ==> 2
node 13 --> <i>Pliopithecus platyodon</i>	29	1	0.143	0 --> 1
	33	1	0.200	0 --> 1
	47	1	0.167	0 ==> 1
	50	1	0.200	0 ==> 1
	61	1	0.500	0 ==> 1
	81	1	0.143	0 --> 1
	86	1	0.500	0 ==> 1

	103	1	0.667	1 --> 3
	104	1	1.000	0 ==> -
	107	1	0.667	0 ==> 3
node 13 --> <i>Pliopithecus canmatensis</i>	4	1	0.333	0 ==> 1
	49	1	0.200	0 ==> 1
	51	1	0.200	1 ==> 0
	75	1	0.286	2 ==> 1
	81	1	0.143	0 --> 1
	86	1	0.500	0 ==> 1
node 13 --> <i>Pliopithecus zhanxiangi</i>	29	1	0.143	0 --> 1
	33	1	0.200	0 --> 1
node 13 --> <i>Pliopithecus piveteaui</i>	80	1	0.200	1 ==> 0
	91	1	0.200	1 ==> 0
node 13 --> <i>Pliopithecus bii</i>	91	1	0.200	1 ==> 0
node 13 --> <i>Epipliopithecus vindobonensis</i>	20	1	0.250	0 ==> 1
	29	1	0.143	0 --> 1
	33	1	0.200	0 --> 1
	37	1	0.333	0 ==> 1
	38	1	0.200	1 ==> 0
	45	1	0.667	0 ==> 1
	47	1	0.167	0 ==> 1
	53	1	0.667	1 ==> 0
	56	1	0.167	1 ==> 0
	57	1	0.250	0 ==> 1
	58	1	0.333	1 --> 0
	61	1	0.500	0 --> A
	64	1	0.500	0 ==> 1
	66	1	0.667	0 --> A
	69	1	0.600	0 ==> 1
	72	1	0.333	0 ==> 1
	74	1	0.500	2 ==> 1
	75	1	0.286	2 ==> 1
	80	1	0.200	1 ==> 0
	85	1	0.333	0 ==> 1
node 13 --> node 12	12	1	0.333	1 --> 0
	13	1	0.667	0 --> 1
	14	1	0.500	0 --> 1
	19	1	0.250	1 --> 0
	23	1	0.250	0 --> 1
	27	1	0.500	1 --> 0
	37	1	0.333	0 ==> 1
	39	1	0.167	1 ==> 0
	40	1	0.200	1 ==> 0
	44	1	0.250	1 ==> 0
	50	1	0.200	0 ==> 1
	55	1	0.333	1 ==> 0

	56	1	0.167	1 ==> 0
	57	1	0.250	0 ==> 1
	58	1	0.333	1 --> 0
	64	1	0.500	0 ==> 1
	69	1	0.600	0 --> 1
	71	1	0.200	1 ==> 0
	84	1	0.167	0 ==> 1
	86	1	0.500	0 ==> 1
	91	1	0.200	1 ==> 0
	101	1	0.500	0 --> 1
	105	1	0.667	0 --> 1
node 12 --> <i>Dionysopithecus shuangouensis</i>	48	1	0.200	0 ==> 1
	72	1	0.333	0 ==> 1
	80	1	0.200	1 ==> 0
node 12 --> <i>Platodontopithecus jianghuaiensis</i>	29	1	0.143	0 --> 1
	83	1	0.500	0 ==> 1
node 18 --> node 17	5	1	0.333	0 --> 1
	6	1	0.500	0 --> 1
	9	1	0.500	0 --> 1
	10	1	0.500	1 --> 0
	25	1	0.500	0 --> 1
	36	1	1.000	1 ==> 0
	45	1	0.667	0 ==> 1
	48	1	0.200	0 ==> 1
	49	1	0.200	0 ==> 1
	50	1	0.200	0 --> 1
	64	1	0.500	0 ==> 1
	70	1	0.800	0 --> 1
	76	1	0.250	0 ==> 1
	83	1	0.500	0 ==> 1
	84	1	0.167	0 --> 1
	99	1	0.667	0 --> 1
	101	1	0.500	0 --> 1
node 17 --> node 15	56	1	0.167	1 --> 0
	57	1	0.250	0 ==> 1
	69	1	0.600	0 ==> 1
	72	1	0.333	0 ==> 1
	75	1	0.286	0 ==> 1
	81	1	0.143	0 --> 1
	96	1	0.333	1 ==> 0
	107	1	0.667	0 ==> 1
node 15 --> <i>Micropithecus clarki</i>	5	1	0.333	1 --> 0
	8	1	0.500	0 ==> 1
	9	1	0.500	1 --> 0
	11	1	0.250	1 --> 0
	22	1	0.500	0 ==> 1

	25	1	0.500	1 --> 0
	43	1	0.500	1 ==> 0
	44	1	0.250	1 ==> 0
	46	1	0.500	1 ==> 0
	52	1	0.250	1 ==> 0
	62	1	0.400	1 ==> 2
	67	1	0.500	0 ==> 1
	90	1	0.333	1 ==> 0
node 15 --> node 14	1	1	0.500	0 ==> 1
	16	1	0.333	0 ==> 1
	24	1	1.000	1 ==> 2
	85	1	0.333	0 ==> 1
	93	1	1.000	0 ==> 1
	102	1	0.333	1 --> 0
node 14 --> <i>Dendropithecus macinnesi</i>	12	1	0.333	1 ==> 0
	29	1	0.143	0 --> 1
	38	1	0.200	1 ==> 0
	40	1	0.200	1 ==> 0
	48	1	0.200	1 ==> 0
	66	1	0.667	0 ==> 1
	70	1	0.800	1 --> D
	81	1	0.143	1 --> 0
	91	1	0.200	1 ==> 0
node 14 --> <i>Simiolus enjiessi</i>	21	1	0.333	1 ==> 0
	39	1	0.167	1 ==> 0
	51	1	0.200	1 ==> 0
	69	1	0.600	1 ==> 2
	70	1	0.800	1 --> 0
	71	1	0.200	1 ==> 0
	76	1	0.250	1 ==> 2
	77	1	0.500	0 ==> 1
	79	1	0.250	1 ==> 0
	80	1	0.200	1 ==> 0
	84	1	0.167	1 --> 0
node 17 --> node 16	51	1	0.200	1 ==> 0
	53	1	0.667	1 --> 0
	58	1	0.333	0 ==> 2
	60	1	0.333	1 --> 0
	66	1	0.667	0 ==> 1
	70	1	0.800	1 --> 2
	71	1	0.200	1 ==> 0
	77	1	0.500	0 --> 1
	99	1	0.667	1 --> 2
	103	1	0.667	0 --> 2
	106	1	0.333	1 --> 0
node 16 --> <i>Ekembo heseloni</i>	6	1	0.500	1 --> 0

node 16 --> *Victoriapithecus macinnesi*

13	1	0.667	0 ==>	2
18	1	0.500	1 ==>	0
20	1	0.250	0 ==>	1
29	1	0.143	0 -->	1
38	1	0.200	1 ==>	0
40	1	0.200	1 ==>	0
50	1	0.200	1 -->	0
62	1	0.400	1 ==>	2
63	1	0.500	0 ==>	1
70	1	0.800	2 -->	B
84	1	0.167	1 -->	0
1	1	0.500	0 ==>	1
10	1	0.500	0 -->	1
11	1	0.250	1 -->	0
14	1	0.500	0 ==>	1
15	1	0.250	1 ==>	0
16	1	0.333	0 ==>	1
17	1	0.500	0 -->	1
19	1	0.250	1 ==>	0
21	1	0.333	1 ==>	0
22	1	0.500	0 ==>	1
23	1	0.250	0 ==>	1
28	1	1.000	1 ==>	0
31	1	1.000	0 ==>	1
32	1	0.333	0 ==>	1
33	1	0.200	0 -->	1
34	1	1.000	1 ==>	2
37	1	0.333	0 ==>	1
39	1	0.167	1 ==>	0
42	1	1.000	0 ==>	1
47	1	0.167	0 ==>	1
52	1	0.250	1 ==>	0
53	1	0.667	0 -->	2
59	1	1.000	0 ==>	1
64	1	0.500	1 ==>	2
65	1	0.667	1 ==>	2
69	1	0.600	0 -->	A
76	1	0.250	1 ==>	2
77	1	0.500	1 -->	2
82	2	0.600	0 ==>	D
87	1	0.333	0 ==>	1
88	1	0.500	0 ==>	1
90	1	0.333	1 ==>	0
103	1	0.667	2 -->	F
107	1	0.667	0 -->	C

References

Bouchet, F., Zanolli, C., Urciuoli, A., Almécija, S., Fortuny, J., Robles, J. M., Beaudet, A., Moyà-Solà, S., & Alba, D. M., 2024. The Miocene primate *Pliobates* is a pliopithecoid. *Nature Communications*, 15, 2822.