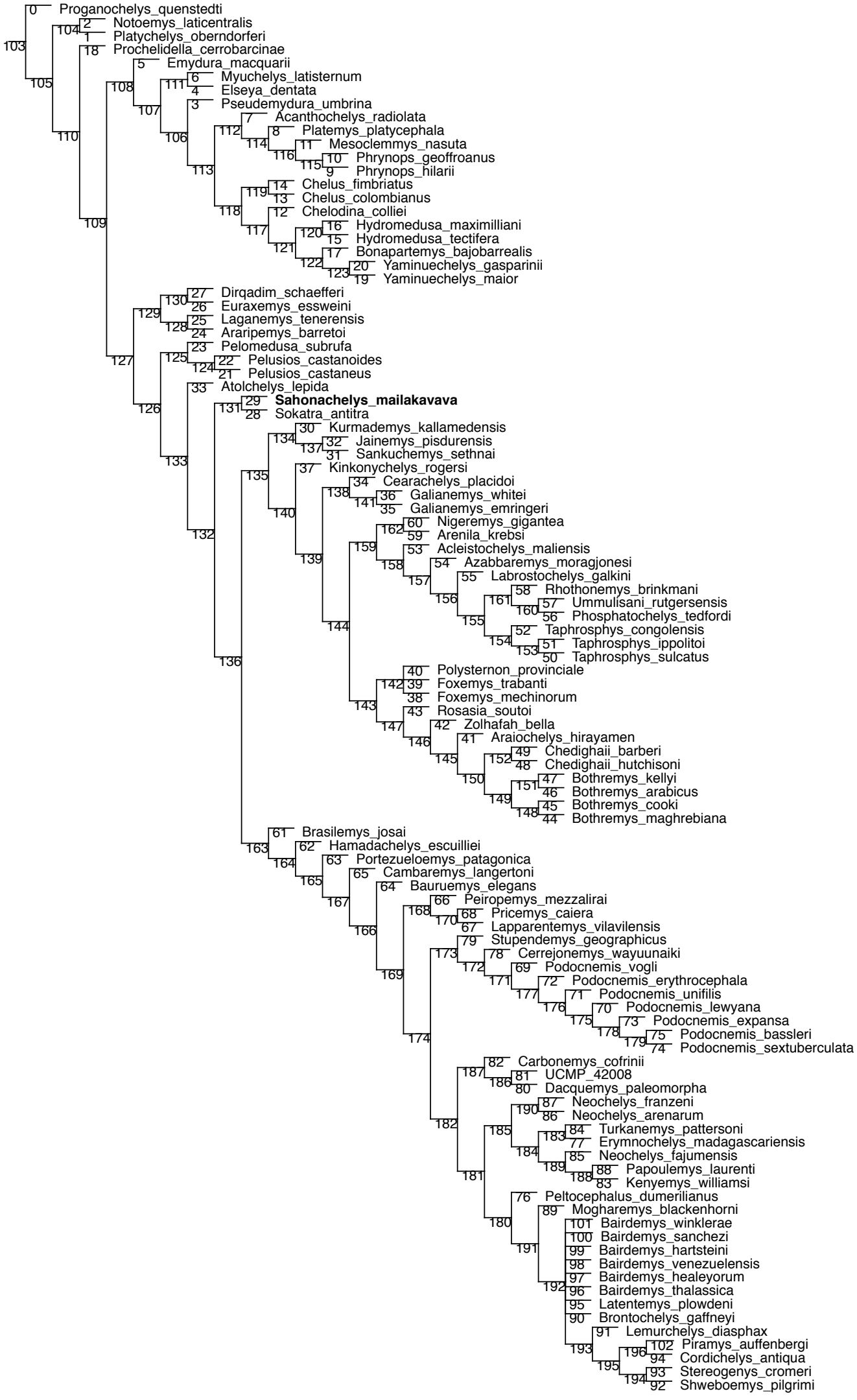

Strict consensus of 11 trees (0 taxa excluded)
0 Proganochelys_quenstedti
2 Notoemys_laticentralis
1 Platychelys_oberndorferi
18 Prochelidella_cerrobarcinae
5 Emydura_macquarii
6 Myuchelys_latisternum
4 Elseya_dentata
3 Pseudemydura_umbrina
7 Acanthochelys_radiolata
8 Platemys_platycephala
11 Mesoclemmys_nasuta
10 Phrynops_geoffroanus
9 Phrynops_hilarii
14 Chelus_fimbriatus
13 Chelus_colombianus
12 Chelodina_colliei
16 Hydromedusa_maximilliani
15 Hydromedusa_tectifera
17 Bonapartemys_bajobarrealis
20 Yaminuechelys_gasparinii
19 Yaminuechelys_maior
27 Dirqadim_schaefferi
26 Euraxemys_essweini
25 Laganemys_tenerensis
24 Araripemys_barretoi
23 Pelomedusa_subrufa
22 Pelusios_castanoides
21 Pelusios_castaneus
33 Atolchelys_lepida
29 **Sahonachelys_mailakavava**
28 Sokatra_antitra
30 Kurmademys_kallamedensis
32 Jainemys_pisdurensis
31 Sankuchemys_sethnai
37 Kinkonychelys_rogersi
34 Cearachelys_placidoi
36 Galianemys_whitei
35 Galianemys_emringeri
60 Nigeremys_gigantea
59 Arenila_krebsi
53 Acleistochelys_maliensis
54 Azabbaremys_moragjonesi
55 Labrostochelys_galkini
58 Rhothonemys_brinkmani
57 Ummulisani_rutgersensis
56 Phosphatochelys_tedfordi
52 Taphrosphys_congolensis
51 Taphrosphys_ippolitoi
50 Taphrosphys_sulcatus
40 Polysternon_provinciale
39 Foxemys_trabanti
38 Foxemys_mechinorum
43 Rosasia_soutoi
42 Zolhafah_bella
41 Araiochelys_hirayamen
49 Chedighaii_barberi
48 Chedighaii_hutchisoni
47 Bothremys_kellyi
46 Bothremys_arabicus
45 Bothremys_cooki
44 Bothremys_maghrebiana
61 Brasilemys_josai
62 Hamadachelys_escuilliei
63 Portezueloemys_patagonica
65 Cambaremys_langertoni
64 Bauruemys_elegans
66 Peiropemys_mezzalirai
68 Pricemys_caiera
67 Lapparentemys_vilavilensis
79 Stupendemys_geographicus
78 Cerrejonemys_wayuunaiki
69 Podocnemis_vogli
72 Podocnemis_erythrocephala
71 Podocnemis_unifilis
70 Podocnemis_lewyana
73 Podocnemis_expansa
75 Podocnemis_bassleri
74 Podocnemis_sextuberculata
82 Carbonemys_cofrinii
81 UCMP_42008
80 Dacquemys_paleomorpha
87 Neochelys_franzeni
86 Neochelys_arenarum
84 Turkanemys_pattersoni
77 Erymnochelys_madagascariensis
85 Neochelys_fajumensis
88 Papoulemys_laurenti
83 Kenyemys_williamsi
76 Peltocephalus_dumerilianus
89 Mogharemys_blackenhorni
101 Bairdemys_winklerae
100 Bairdemys_sanchezi
99 Bairdemys_hartsteini
98 Bairdemys_venezuelensis
97 Bairdemys_healeyorum
96 Bairdemys_thalassica
95 Latentemys_plowdeni
90 Brontochelys_gaffneyi
91 Lemurchelys_diasphax
102 Piramys_auffenbergi
94 Cordichelys_antiqua
93 Stereogenys_cromeri
92 Shweboemys_pilgrimi