

1 A NEW LATE CRETACEOUS IGUANOMORPH FROM NORTH AMERICA AND THE
2 ORIGIN OF NEW WORLD PLEURODONTA (SQUAMATA, IGUANIA)
3

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21 Abstract

22 Iguanomorpha (stem + crown Iguania) is a diverse squamate clade with members that
23 predominate many modern American lizard ecosystems. However, the temporal and
24 palaeobiogeographic origins of its constituent crown clades (e.g., Pleurodonta [basilisks, iguanas,
25 and their relatives]) are poorly constrained, mainly due to a meager Mesozoic-age fossil record.
26 Here, we report on two nearly complete skeletons from the Late Cretaceous (Campanian) of
27 North America that represent a new and relatively large-bodied and possibly herbivorous
28 iguanomorph that inhabited a semi-arid environment. The new taxon exhibits a mosaic of
29 anatomical features traditionally used in diagnosing Iguania and non-iguanian squamates (i.e.,
30 Scleroglossa) (e.g., parietal foramen at the frontoparietal suture, astragalocalcaneal notch in the
31 tibia, respectively). Our cladistic analysis of Squamata revealed a phylogenetic link between
32 Campanian-age North American and East Asian stem iguanomorphs (i.e., the new taxon +
33 Temujiniidae). These results and our evaluation of the squamate fossil record suggests that
34 crown pleurodontans were restricted to the low-latitude Neotropics prior to their early
35 Palaeogene first appearances in the mid-latitudes of North America.

36

37 1. Introduction

38 Iguanomorpha (sensu [1]) is a stem-based clade of lizards that includes chamaeleons,
39 agamas, iguanas, and their extinct relatives and has modern occurrences on every continent
40 except Antarctica [2,3]. The two major crown groups of Iguanomorpha that constitute Iguania
41 (sensu [1]), Old World Acrodonta (chamaeleons and agamas) and the primarily New World
42 Pleurodonta (=Iguanidae sensu [4]), are highly diverse in morphology and ecology, and have
43 been the focus of numerous evolutionary studies (e.g., phylogenetics, adaptive radiations,

44 ecophysiology, species delimitation, phylogeography [5–9]). Pleurodontans dominate many
45 modern lizard faunas in North and South America; for example, horned, spiny, and collared
46 lizards and desert iguanas in the Sonoran Desert of the USA and Mexico; anoles in The Bahamas
47 and Greater Antilles; and liolaemids in Argentina [3,7,10]. Studies based on molecular and fossil
48 data have presented conflicting views on the temporal and palaeobiogeographic origins of
49 Pleurodonta. Pleurodontan biogeography [2] combined with molecular divergence estimates
50 [8,11,12,13] imply that the crown clade originated in North America before the Cretaceous-
51 Palaeogene (K-Pg) boundary (ca. 66 Ma). The fossil data are more equivocal. Whereas the latest
52 Cretaceous (Maastrichtian) taxon *Pristiguana brasiliensis* from Brazil was considered the oldest
53 member of Pleurodonta [14,15,16], recent phylogenetic analyses have removed it from
54 Pleurodonta as well as from Iguanomorpha [17]. Recent fossil discoveries of Late Cretaceous
55 (Campanian) East Asian stem pleurodontans are consistent with but do not exclusively support a
56 Northern Hemisphere origin for the crown group (e.g., [18,19]); those Asian stem taxa might
57 have dispersed to North America during the Late Cretaceous where they later evolved into crown
58 lineages during the Palaeogene [20,21]. Until now the Mesozoic fossil record of North American
59 iguanomorphs, which comprises less than a dozen isolated and fragmentary jaws of uncertain
60 phylogenetic position [22–25], could not adequately address these conflicting hypotheses for the
61 origin of Pleurodonta. Here, we describe two nearly complete skeletons of a new North
62 American Cretaceous iguanomorph and conduct a series of cladistic analyses that sheds light on
63 the temporal and palaeobiogeographic origin of Pleurodonta.

64

65 2. Systematic palaeontology

66

Squamata Oppel 1811

67 Iguanomorpha Sukhanov 1961 *sensu* [1]

68 *Magnuviator ovimonsensis* gen. et sp. nov.

69

70 (a) Etymology

71 ‘*Magnus*’ (Latin) mighty; ‘*viātor*’ (Latin) traveler; *ovi-* (Latin) egg; *mons* (Latin) mountain; -
72 *ēnsis* (Latin) suffix meaning “from.” The genus name refers to the body size and biogeographic
73 history of the animal as implied by its sister-group relationships; the species name refers to its
74 type locality (Egg Mountain, Teton County, Montana, USA).

75

76 (b) Holotype

77 MOR 6627 (Museum of the Rockies), a nearly complete and mostly articulated skeleton (figure
78 1*a–b*, electronic supplementary material [ESM], ESM file S1, figures S1–S6).

79

80 (c) Referred specimen

81 MOR 7042, a nearly complete and mostly articulated skeleton (figure 1*c–e*, ESM file S1, figures
82 S7–S9 and ESM videos 1–9).

83

84 (d) Locality and horizon

85 Egg Mountain locality, Upper Cretaceous (Campanian; ca. 75.5 ± 0.40 Ma [26]) Two Medicine
86 Formation, Teton County, northwestern Montana, USA ($\sim 48^\circ$ N palaeolatitude [27]). See ESM
87 file S1 for paleoenvironmental interpretation of this locality.

88

89 (e) Diagnosis

90 The new taxon is a member of Iguanomorpha based on the presence of three unambiguous
91 synapomorphies: (i) parietal foramen at the frontoparietal suture, (ii) prefrontal boss, and (iii)
92 prearticular angular process. *Magnuviator* possesses the following unique combination of
93 character states: presence of palatine foramen that enters the palatine dorsally toward its anterior
94 end to pass anteroventrally into the infraorbital canal; anterior extent of splenial reaches about
95 two-thirds the length of the dentary tooth row; splenial anterior inferior alveolar foramen (aiaf)
96 positioned posterodorsal to the anterior mylohyoid foramen; and vertebral zygosphenes are a
97 separate facet set on a distinct ventrolaterally facing pedicle. *Magnuviator* is united with
98 Temujiniidae in possessing a splenial aiaf that is shared between the splenial and the dentary and
99 a thin symphyseal process of the pubis. It differs from Temujiniidae in possessing an ascending
100 process of the squamosal. It differs from stem + crown Pleurodonta in possessing an unrestricted
101 and open Meckelian canal of the dentary and from Chamaeleontiformes (stem + crown
102 Acrodonta) in lacking enlarged “fang-like” maxillary teeth and V-shaped wear facets of
103 maxillary teeth that are incised on the lateral face of the dentary between the dentary teeth. It
104 further differs from Chamaeleontiformes in possessing a greater number of dentary teeth.
105 *Magnuviator* differs from all iguanomorphs in possessing an astragalocalcaneal notch in the
106 tibia.

107

108 (f) Description

109 *Magnuviator ovimonsensis* gen. et sp. nov. is a large-bodied iguanomorph with an estimated
110 snout-vent length (SVL) of up to 216 mm (holotype). Nearly all skull bones, including portions
111 of the hyoid and sclerotic ring, are preserved between the holotype and referred specimen. The
112 zygous frontal is moderately rugose dorsally and has a narrow interorbital region and a

113 transversely oriented posterior margin at the frontoparietal suture (figure 1c–d, ESM file S1,
114 figure S3). The presence of an ascending process of the squamosal is typical of Iguanomorpha,
115 except in Temujiniidae [1,21,28]. The presence of a “semilunate” postfrontal that clasps the
116 frontoparietal suture, which once was considered a diagnostic feature of Scleroglossa but now
117 known to be present in stem iguanians (e.g., Temujiniidae), could not be determined with
118 certainty due to poor preservation or lack thereof in *Magnuviator* (see figure 1d and ESM file S1
119 for details). The braincase lacks a prominent prootic alar process (ESM videos S4–S6).

120 The elongate dentary (figure 1e) possesses an open and unrestricted Meckel’s canal, as in
121 the stem-based acrodontan clade Chamaeleontiformes (sensu [1]), but in contrast to the derived
122 conditions in *Temujinia ellisoni*, *Pariguana lancensis*, and basal and most extant pleurodontans
123 [18,21,23]. Maxillary and dentary teeth are pleurodont, closely spaced, non-striated, sub-equal in
124 height, and columnar (figure 1e; ESM file 1, figure S4). Teeth in the mesial quarter of the
125 maxilla transition in form mesiodistally, from monocuspid to bicuspid to tricuspid. The bicuspid
126 teeth possess a short primary central cusp and a small distal cusp; tricuspid teeth possess an
127 additional small mesial cusp. Maxillary tooth counts, including vacant tooth spaces in the
128 holotype and referred specimen, range from 22 to 24. Thirty dentary tooth positions are present
129 in MOR 7042.

130 The pectoral and pelvic girdles and most limb elements are preserved. The clavicle is
131 expanded and notched medially. The interclavicle possesses an anterior process (ESM file S1,
132 figure S5). *Magnuviator* possesses a scapulocoracoid and primary coracoid fenestra of the
133 scapulocoracoid; it lacks the secondary coracoid fenestra present in *Saichangurvel davidsoni*
134 [28]. The presence of a scapular fenestra could not be determined. The ilium, pubis, and ischium
135 of the holotype and referred specimen are fused at the acetabulum indicating that they likely

136 represent adult individuals. The tibia is notched distally for articulation with a ridge on the fused
137 astragalocalcaneum (ESM file S1, figure S6), a purported non-iguanian (scleroglossan) squamate
138 synapomorphy [21,29].

139

140 3. Materials and methods

141

142 (a) Computed Tomography

143 Three-dimensional volumetric renderings derived from computed and micro-computed
144 tomography (CT and μ CT, respectively) of MOR 6627 and 7042 augmented our descriptions and
145 character scorings for phylogenetic analysis. CT and μ CT data were processed, segmented, and
146 visualized using the software programs Fiji [30], DataViewer (version 1.5.1.2, Bruker microCT,
147 Belgium), and Mimics (version 17, Materialise, Belgium). See the electronic supplementary
148 material (ESM file S1) for details.

149

150 (b) Phylogenetic analysis

151 To assess the phylogenetic relationships of *Magnuviator ovimonsensis*, we conducted cladistic
152 analyses using the character/taxon data matrix assembled by [21] (original dataset contains 610
153 morphological characters and 189 squamates and three rhyngocephalians). We assembled the
154 data matrix in Mesquite v. 3.02 [31]. Character scores of *M. ovimonsensis* and *Pariguana*
155 *lancensis* (see below) are provided in the electronic supplementary material (ESM file S1). We
156 performed cladistic analyses in TNT v. 1.1 [32]. We used the New Technology search (sectorial,
157 ratchet, drift, and tree fusing options activated) to search for 500 minimum tree length
158 recoveries. We treated 149 characters as ordered per [21]. We ran a secondary cladistic analysis

159 to further test the pleurodontan affinities of *P. lancensis*, a tentative hoplocercid from the
160 Maastrichtian of Wyoming [23], and the hypothesis that Pleurodonta originated during the
161 Cretaceous of North America. Strict consensus trees were constructed in PAUP* 4.0b10 [33] and
162 visualized in FigTree v. 1.3.1. Bremer (BS) and bootstrap (BP) results are provided below (see
163 ESM file S1 for details). A synapomorphy list including unambiguous character-state
164 optimizations for the strict consensus tree was created in PAUP* 4.0b10 (ESM file S1). Because
165 molecular-based phylogenies of Squamata radically differ from those based on morphology,
166 particularly for Iguania (see [21] for a review), we ran additional cladistic analyses using a
167 molecular-only and a combined morphological-and-molecular constraint tree based on the
168 higher-level phylogenetic relationships presented in [34] and [35], respectively. See ESM file S1
169 for details.

170

171 4. Results and discussion

172 Cladistic analysis recovered *Magnuviator ovimonsensis* as the sister taxon to Temujiniidae
173 (*Temujinia ellisoni* + *Saichangurvel davidsoni*). Support for that relationship is moderate (BS =
174 3; BP = 0). The *Magnuviator*-temujiniid clade is in a polytomy with Chamaeleontiformes and
175 stem and crown Pleurodonta (figure 2a). Among our 16 most parsimonious trees, the
176 *Magnuviator*-temujiniid clade equally occurs as either the basalmost stem pleurodontan or as a
177 stem iguanomorph sister to Chamaeleontiformes + stem and crown Pleurodonta (ESM file S1,
178 figure S10). Results of our constrained analysis per [35] support the stem-pleurodontan
179 relationships of *Magnuviator* and Temujiniidae (ESM file S1, figure S13). Our molecular-only
180 constrained analysis recovered those taxa within a poorly resolved Iguanomorpha (ESM file S1,
181 figure S14).

182 The *Magnuviator*-temujiniid clade provides the first, and earliest known, phylogenetic
183 link between Asian and North American iguanomorphs. Among Late Cretaceous reptiles,
184 terrestrial interchange between those landmasses has mainly been reported for larger-bodied
185 forms (e.g., [36–38]). Hypothesized phylogenetic relationships among squamates, for example,
186 imply Asian-North American interchange occurred among Late Cretaceous
187 polyglyphanodontians (e.g., *Gilmoreteius*, *Polyglyphanodon* [1,21]) and platynotans (e.g.,
188 *Estesia*, *Palaeosaniwa* [39]), all of which are relatively large in body size ([23,40]; ESM file S2).
189 Similarly, *Magnuviator* is larger in body size than members of its sister taxon Temujiniidae (e.g.,
190 SVL = ~216 mm vs. ~117 mm in *Saichangurvel davidsoni*) and most Late Cretaceous
191 iguanomorphs from East Asia (ESM file S2). The absence of this pattern in the smaller-bodied
192 squamates might reflect their relatively poor fossil-preservation potential, uncertainties in their
193 phylogenetic relationships, or both. Another possibility is that size-dependent physiological
194 tolerances limited smaller-bodied ectotherms from traversing the cooler climates of the high-
195 latitude Beringian crossing (e.g., [41]) between Asia and North America during the Late
196 Cretaceous.

197 *Magnuviator* is the oldest unequivocal iguanomorph from North America and pre-dates
198 the occurrence of Pleurodonta by nearly 20 Ma. Previously proposed pleurodontans from the
199 Late Cretaceous of Canada (e.g., *Cnephasaurus locustivorus* [22]) and the Palaeocene of
200 Wyoming, USA (*Swainiguanooides milleri* [42]) are based on isolated and fragmentary jaws that
201 either lack synapomorphies of Pleurodonta or recently were referred to non-iguanian clades (e.g.,
202 Chamopsiidae [23–25]). Similarly, our analysis does not find the Maastrichtian-age *Pariguana*
203 *lancensis* [23] to be a pleurodontan, although it likely is an iguanomorph (ESM file S1, figure
204 S11). The oldest definitive crown pleurodontans are the early Eocene *Afairiguana avius*

205 (Polychrotidae *sensu lato* [43]), and *Anolbanolis banalis* [44], both from Wyoming, USA.
206 Additional representatives of pleurodontan crown clades, such as the corytophanids
207 *Babibasiliscus alxi* and *Geiseltaliellus maarius* from Wyoming, USA and Germany,
208 respectively, occur in the middle Eocene ([20,45]; see [44,46,47] for additional North American
209 records). The presence of Cretaceous and Palaeogene pleurodontans in South America also is
210 equivocal. Relevant South American taxa (e.g., *Pristiguana brasiliensis*) are based on
211 fragmentary remains that possess features common to both stem and crown Pleurodonta (see
212 ESM file S1 and references therein). The oldest unequivocal South American pleurodontans are
213 from the early Miocene of Argentina [48,49].

214 The lack of fossil evidence for Cretaceous-age pleurodontans contrasts with molecular-
215 based time estimates that indicate a Late Cretaceous origin for Pleurodonta and its primary
216 subclades [8,11,12,13] (figure 2a). The Late Cretaceous iguanian fossil record from the mid- to
217 high-latitudes of Asia and North America consists exclusively of stem taxa [20,21], including
218 *Magnuviator*, and the oldest fossil crown pleurodontans are early Eocene in age [43,44,46,47].
219 The absence of crown taxa from the comparatively well-sampled regions of Asia and North
220 America [19,24], combined with the high diversity and/or endemism of many extant
221 pleurodontan clades in the Neotropics [2,3] is consistent with an origin or initial diversification
222 of crown Pleurodonta in the low-latitude Neotropics during the Late Cretaceous. The oldest
223 crown pleurodontans are members of extant Neotropical clades (Corytophanidae, Polychrotidae),
224 and they first appeared in the northern mid-latitudes of North America shortly after the
225 Palaeocene-Eocene Thermal Maximum (PETM). These records are consistent with a Neotropical
226 origin and dispersal from the low-latitudes of the Americas in response to a northward expansion
227 of megathermal climates [44], a pattern seen in other components of North American Palaeogene

228 herpetofaunas [50]. The occurrence of *Magnuviator* in the North American Late Cretaceous
229 indicates the likelihood of an earlier transcontinental distribution of stem pleurodontans across
230 Laurasia prior to the radiation and dispersal of the pleurodontan crown than previously
231 considered ([21]; but, see [23]).

232 Tooth crown morphology and body size of *Magnuviator* imply a faunivorous and
233 possibly herbivorous diet. Whereas multi-cusped teeth occur in both insectivorous and
234 herbivorous extant iguanians, the herbivorous taxa tend to possess more mesiodistally expanded,
235 labiolingually compressed, and blade-like teeth that are adorned with more numerous and
236 typically well-defined cusps (e.g., *Ctenosaura* [51–53]). *Magnuviator* exhibits tooth-crown
237 morphology intermediate between extant insect specialists (e.g., blunt, non-cusped, and peg-like
238 teeth in *Phrynosoma*) and principally herbivorous taxa (e.g., “serrate” teeth in *Iguana iguana* in
239 addition to those features noted above); its dentition is most like that of some extant
240 phrynosomatids such as *Callisaurus* and *Urosaurus* (e.g., slender, cylindrical, and weakly
241 cusped [51]). Some species of *Callisaurus* and *Urosaurus* feed heavily on wasps and bees [51].
242 Indeed, fossilized hymenopteran pupae cases are abundant at the Egg Mountain locality [54] and
243 are morphologically identical to those that have been attributed to wasps and found at a nearby
244 locality in the Two Medicine Formation [55]. On the basis of its relatively large body size, we
245 infer that *Magnuviator* also might have been capable of digesting plant matter. Due to energetic
246 constraints, herbivory is restricted to large-bodied forms in extant and presumably extinct lizards
247 (>100 mm SVL; except Liolaemidae), occurring mostly within Iguania [5,56]; *Magnuviator* falls
248 within this body-size range (ESM file S1, figure S12).

249 Taken together, our study expands our understanding of the morphological evolution of
250 Iguanomorpha and more broadly Squamata. Some features, such as the distal tibial notch, that

251 were previously restricted to non-iguanian squamates (*Scincogekkonomorpha* sensu [1]) are now
252 known to be more broadly distributed within Squamata (present in *Magnuviator*). The revised
253 character polarizations resulting from these findings could prove important in (i) resolving the
254 conflict between morphology-based and genetics-based phylogenetic hypotheses [1,21,34,35],
255 (ii) determining which fossil taxa fall within crown-group Pleurodonta, and (iii) identifying
256 which fossils should be used to temporally calibrate molecular divergence estimates of the clade.

257

258 Data accessibility: The electronic supplementary materials including the supplementary text,
259 tables, figures, videos, and phylogenetic data are available at Dryad Digital Repository
260 (<http://dx.doi.org/10.5061/dryad.tp802>).

261

262 Authors' contributions. D.J.V. collected the specimens. D.G.D and J.L.C. described the
263 specimens and conducted the cladistics analyses, created the figures, and acquired the CT and
264 μ CT data. D.G.D processed the CT and μ CT data and created the virtual 3D reconstructions. All
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266

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285

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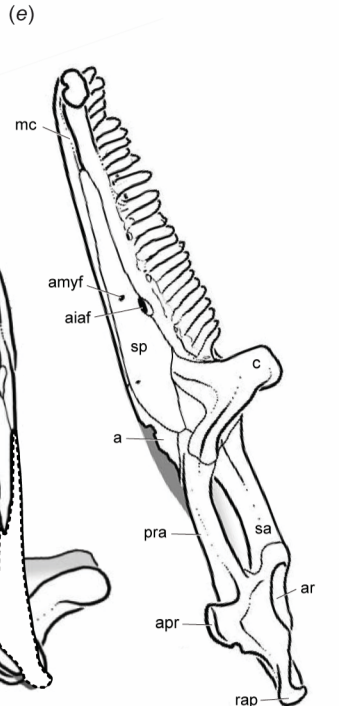
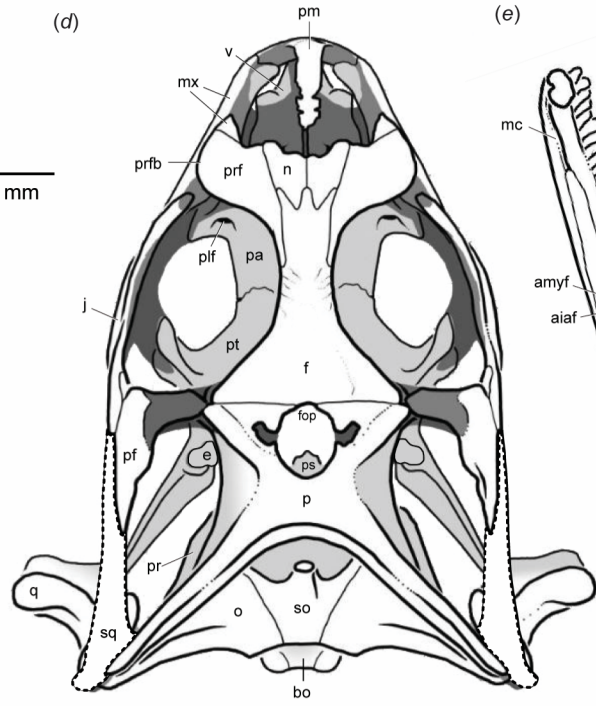
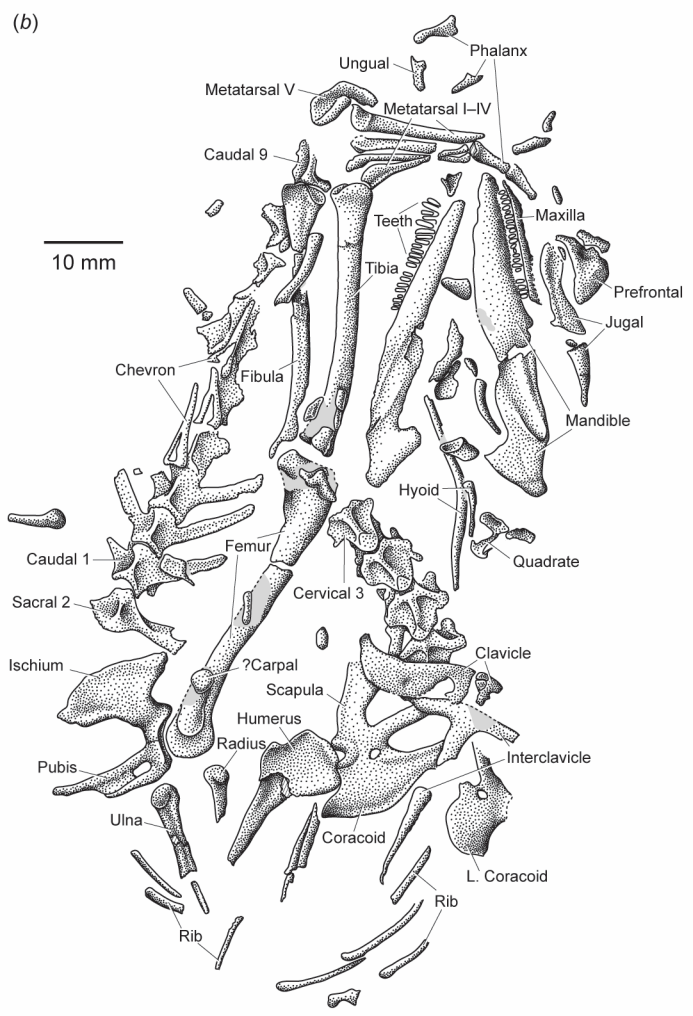
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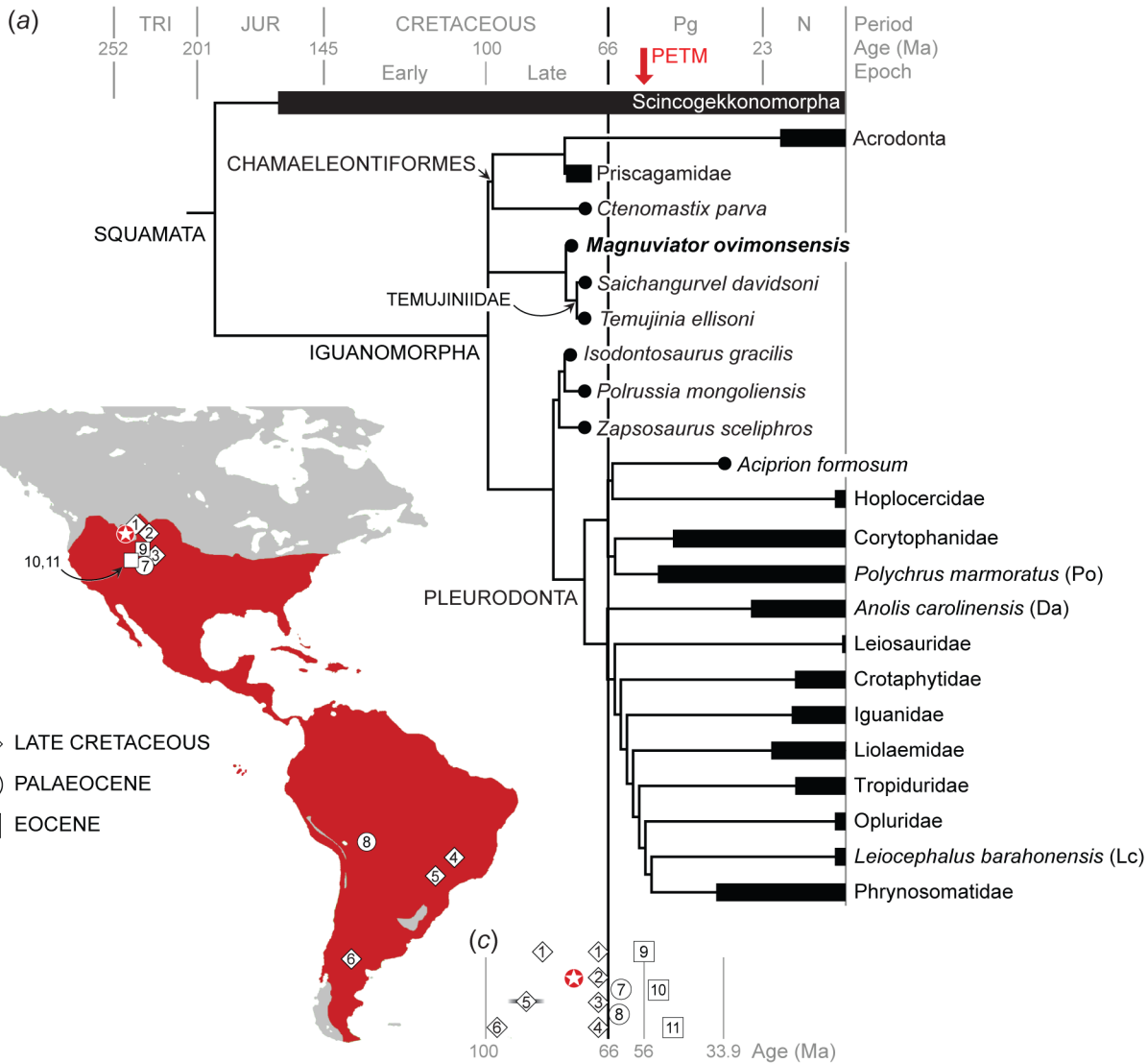
454 Figure 1. Holotype (MOR 6627) and referred (MOR 7042) specimens of *Magnuviator*
455 *ovimonsensis* gen. et sp. nov. A, B: Holotype nearly complete skeleton in ventral view.
456 Photograph (A) and corresponding labeled illustration (B). C–E: Referred specimen skull and
457 mandibles. Virtual two-dimensional rendering of skull and mandibles (C) in dorsal view derived
458 from CT and μ CT data. Labeled reconstructions of skull (D) and right mandible (E) in dorsal and
459 lingual views, respectively. Squamosal shape (dashed lines in D) is based on MOR 6627. Dark
460 transparent grey shading represents missing bones such as the postfrontal (see ESM file S1 for
461 details). Anatomical abbreviations: a = angular, aiaf = anterior inferior alveolar foramen, amyf =
462 anterior mylohyoid foramen, apr = angular process, ar = articular, c = coronoid, e = epipterygoid,
463 f = frontal, fop = parietal foramen, j = jugal, L. = left, mc = Meckel’s canal, mx = maxilla, n =
464 nasal, o = otooccipital, p = parietal, pa = palatine, pf = postfrontal, plf = palatine foramen, pm =
465 premaxilla, pr = prootic, pra = prearticular, prf = prefrontal, prfb = prefrontal boss, ps =
466 parasphenoid, q = quadrate, rap = retroarticular process, s = squamosal, sa = surangular, so =
467 supraoccipital, sp = splenial, v = vomer. Scale bars = 10 mm (A,B) and 5 mm (C–E).

468

469 Figure 2. Time-calibrated phylogenetic interrelationships of *Magnuviator ovimonsensis* gen. et
470 sp. nov. and the geographic distributions of fossil iguanomorphs and extant and extinct
471 pleurodontans. A. Strict consensus of 16 most parsimonious trees. Thick black horizontal bars
472 and circles leading to or at the terminal nodes represent fossil age ranges or occurrences. Node
473 ages for Squamata (193 Ma) and Chamaeleontiformes (99 Ma) per [11] and [57], respectively.
474 Pleurodontan divergences constrained per [8]. The Palaeocene-Eocene Thermal Maximum

475 (PETM) is marked by the red arrow at top of figure. Abbreviations: Da = Dactyloidae sensu [8],
476 Jur = Jurassic, Lc = Leliocephalidae, N = Neogene, Pg = Palaeogene, Po = Polychrotidae, Tri =
477 Triassic. B. New World geographic distributions of Late Cretaceous and early Palaeogene
478 iguanomorphs and fossil and extant pleurodontans. Modern New World pleurodontan
479 distributions shown in red. Fossil taxa are represented by the numbered symbols: star =
480 *Magnuviator ovimonsensis*; 1 = *Cnephasaurus locustivorus* and unnamed “iguanids” [22]; 2 =
481 non-acrodontan iguanomorph [25]; 3 = *Pariguana lancensis* [23]; 4 = *Pristiguana brasiliensis*
482 [14]; 5 = *Brasiliguana prudentis* [58]; 6 = ?Iguanidae [59]; 7 = *Swainiguanooides milleri* [42]; 8 =
483 ?Iguanidae [60]; 9 = *Anolbanolis banalis* [44]; 10 = *Afairiguana avius* [43]; 11 = *Babibasiliscus*
484 *alxi* [20]. C. Temporal distributions of fossil taxa. Numbered symbols (1–11) correspond to those
485 on the map at (B) and are the approximate age. The shaded horizontal bar behind 5 denotes age
486 uncertainty (see [58]). *Cnephasaurus locustivorus* is the left circle at 1 and the unnamed
487 “iguanids” [22] are the left and right circles at 1.





ELECTRONIC SUPPLEMENTARY MATERIAL (ESM file S1)

DeMar DD Jr, Conrad JL, Head JJ, Varricchio DJ, Wilson GP. 2016 A new Late Cretaceous iguanomorph from North America and the origin of the New World Pleurodonta (Squamata, Iguania)

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1. FIGURES

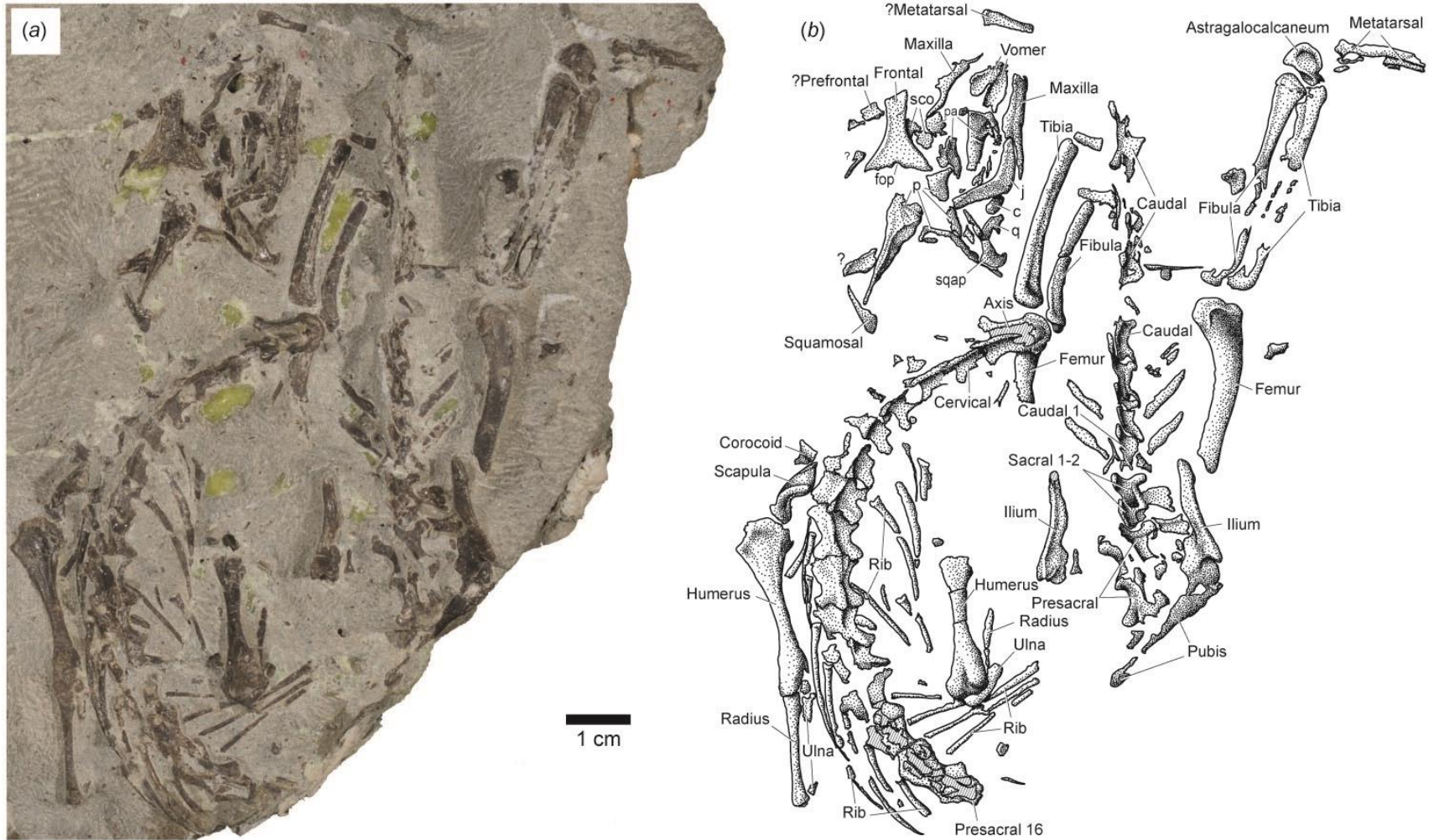


Figure S1. Holotype skeleton (MOR 6627) of *Magnuviator ovimonsensis* gen. et sp. nov. in dorsal view. The stippled line drawing (B) corresponds to the photograph (A). Light grey shading and dotted lines indicate regions of the skeleton hidden by rock matrix. The line shading in presacrals 14–16 in B indicates broken regions. Anatomical abbreviations: c = coronoid, fop = parietal foramen, q = quadrate, j = jugal, p = parietal, pa = palatine, sco = scleral ossicles, sqap = ascending process of the squamosal. Stippling by Morgan L. Turner.

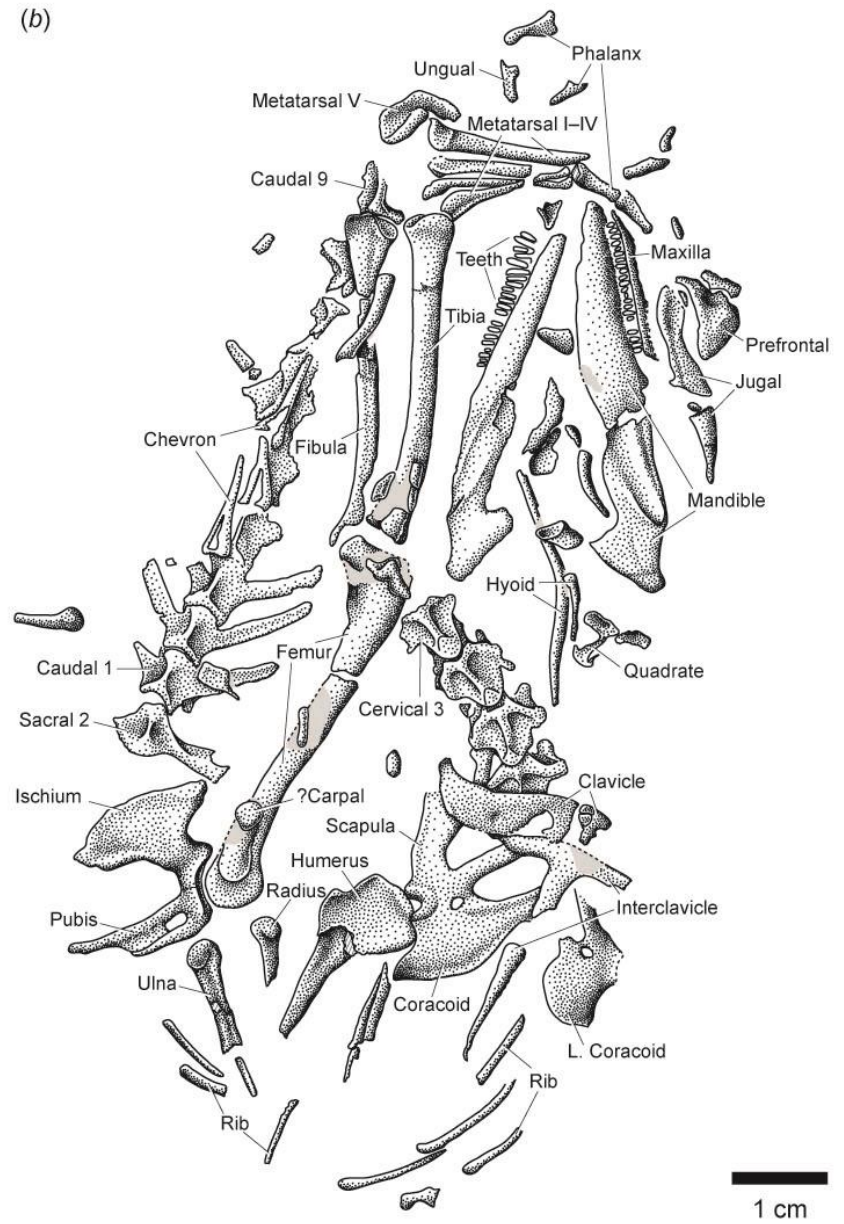


Figure S2. Holotype skeleton (MOR 6627) of *Magnuviator ovimonsensis* gen. et sp. nov. in ventral view. The stippled line drawing (B) corresponds to the photograph (A). Light grey shading and dotted lines indicate regions of the skeleton hidden by rock matrix.

Abbreviations: L = left. Stippling by Morgan L. Turner.

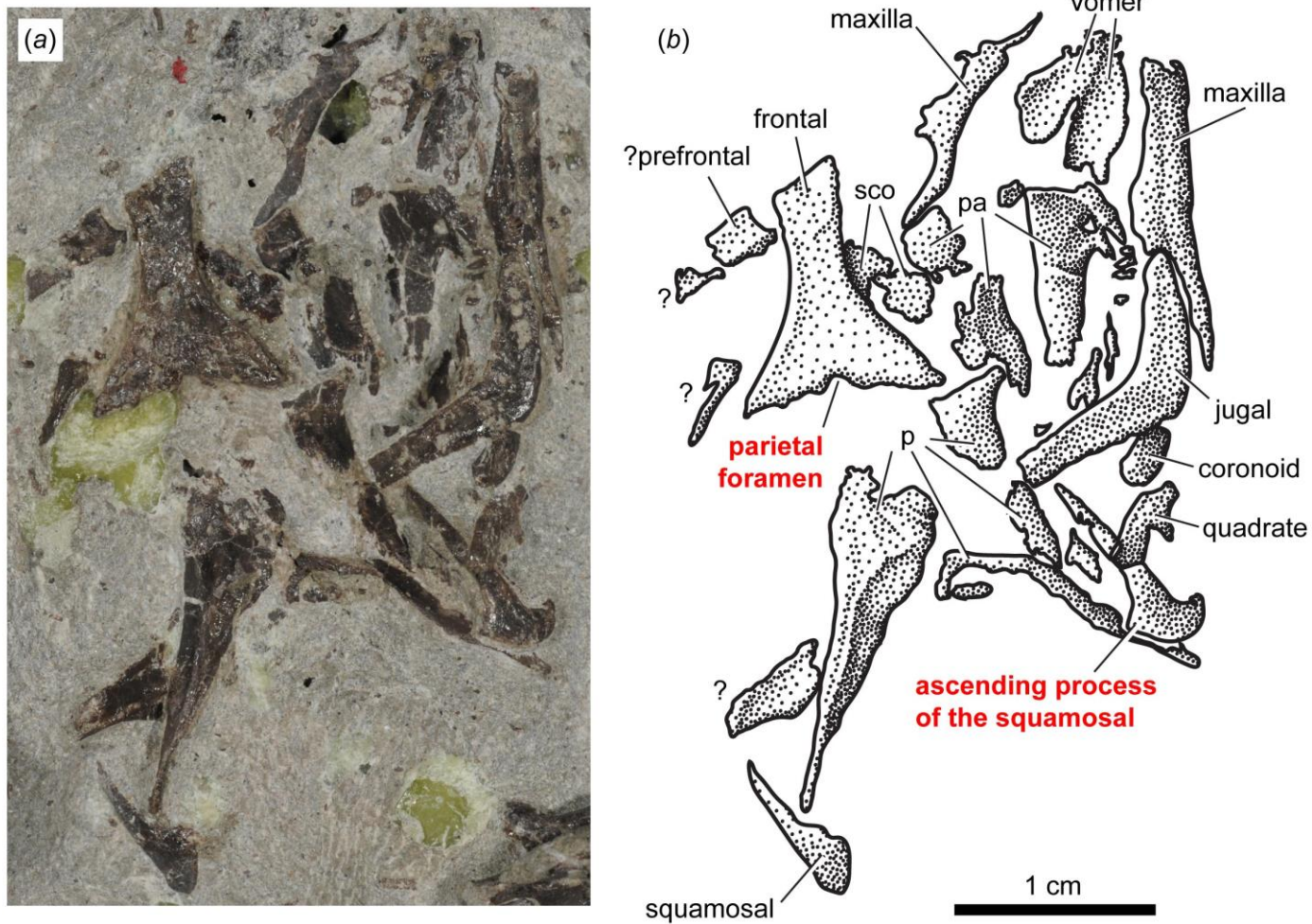
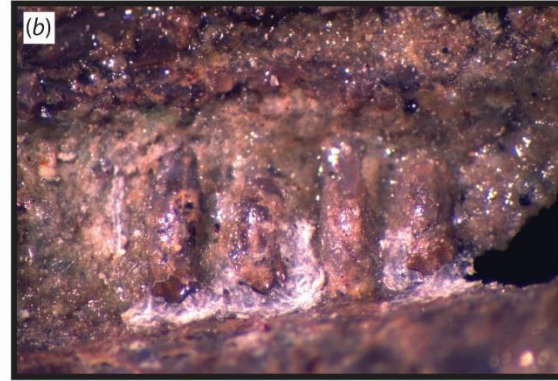
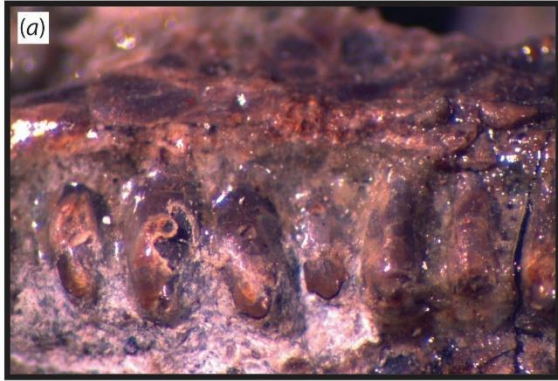
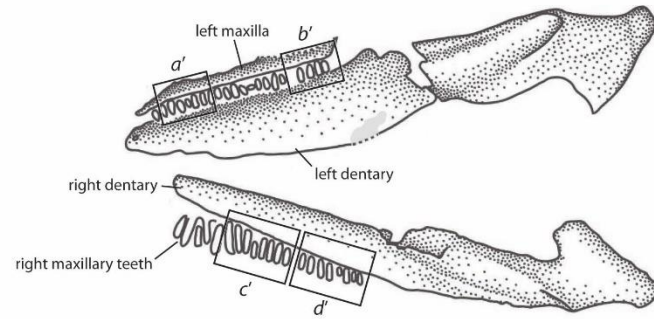


Figure S3. The holotype (MOR 6627) skull of *Magnuviator ovimonsensis* gen. et sp. nov. in dorsal view. The photograph (A) is illustrated and annotated at (B). The frontal contains the anterior margin of the parietal foramen, which is situated at the frontoparietal suture. The squamosal possesses an ascending process. Abbreviations: p = parietal, pa = palatine, sco = scleral ossicles. Scale is 1 cm.



1 mm (a, b)



1 mm (c, d)

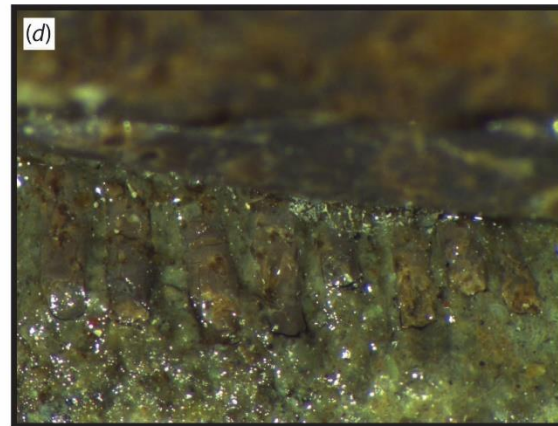
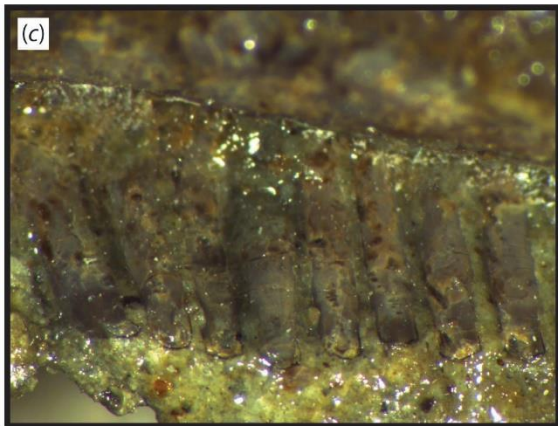


Figure S4. The dentition of the holotype specimen (MOR 6627) of *Magnuviator ovimonsensis* gen. et sp. nov. Mesial (A) and distal (B) teeth of the left maxilla in labial view. Mesial (C) and distal (D) teeth of the right maxilla in lingual view. The boxes labeled A'-D' in the stippled line drawing of the upper and lower jaws in the center of the figure correspond to the enlarged images at A-D (e.g., A to A'). The color balance was manipulated in images A-D to enhance details of the best preserved teeth of the upper dentition. Scale bars equal 1 mm.

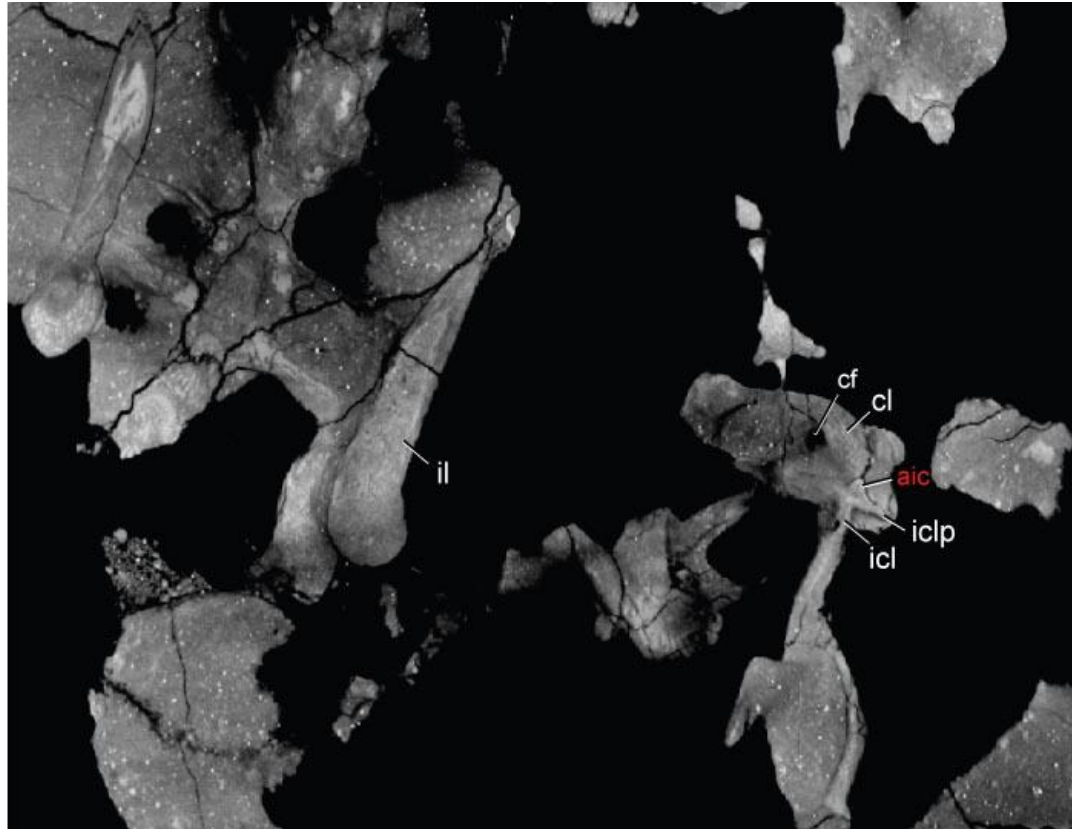


Figure S5. Computed tomography image illustrating the anterior process of the interclavicle (aic in red) of *Magnuviator ovimonsensis* gen. et sp. nov. Frontal (axial) cross-section of the holotype (MOR 6627) specimen. The pelvic girdle is visible to the left of the interclavicle. Anatomical abbreviations: aic = anterior process of the interclavicle, cf = clavicle fenestra, cl = clavicle, icl = interclavicle, iclp = lateral process of the interclavicle, il = ilium. The sedimentary matrix is speckled in the image.



Figure S6. Illustration of the distal tibial notch in *Magnuviator ovimonsensis* gen. et sp. nov. Photograph and virtual reconstruction of the right tibia of the holotype (MOR 6627) specimen. Black and white arrows at the bottom of the figure point to the distal tibial notch. The photograph on the left is in ventral view. The two dimensional virtual reconstruction on the right is in anterior (left) and posterior (right) views. Distal is towards the bottom of the figure. Scale bar is 5 mm.



Figure S7. Referred skeleton (MOR 7042 [blocks a, c, and d]) of *Magnuviator ovimonsensis* gen. et sp. nov. in dorsal view.

Anatomical abbreviations: atu = anterior tubercle of ilium, c = coronoid, f = frontal, fe = femur, fi = fibula, il = ilium, it = internal trochanter of femur, j = jugal, mt = metatarsal, p = parietal, po = postorbital, q = quadrate, qpr = quadrate process of pterygoid, so = supraorbital, ti = tibia, vc = caudal vertebra, vps = presacral vertebra.

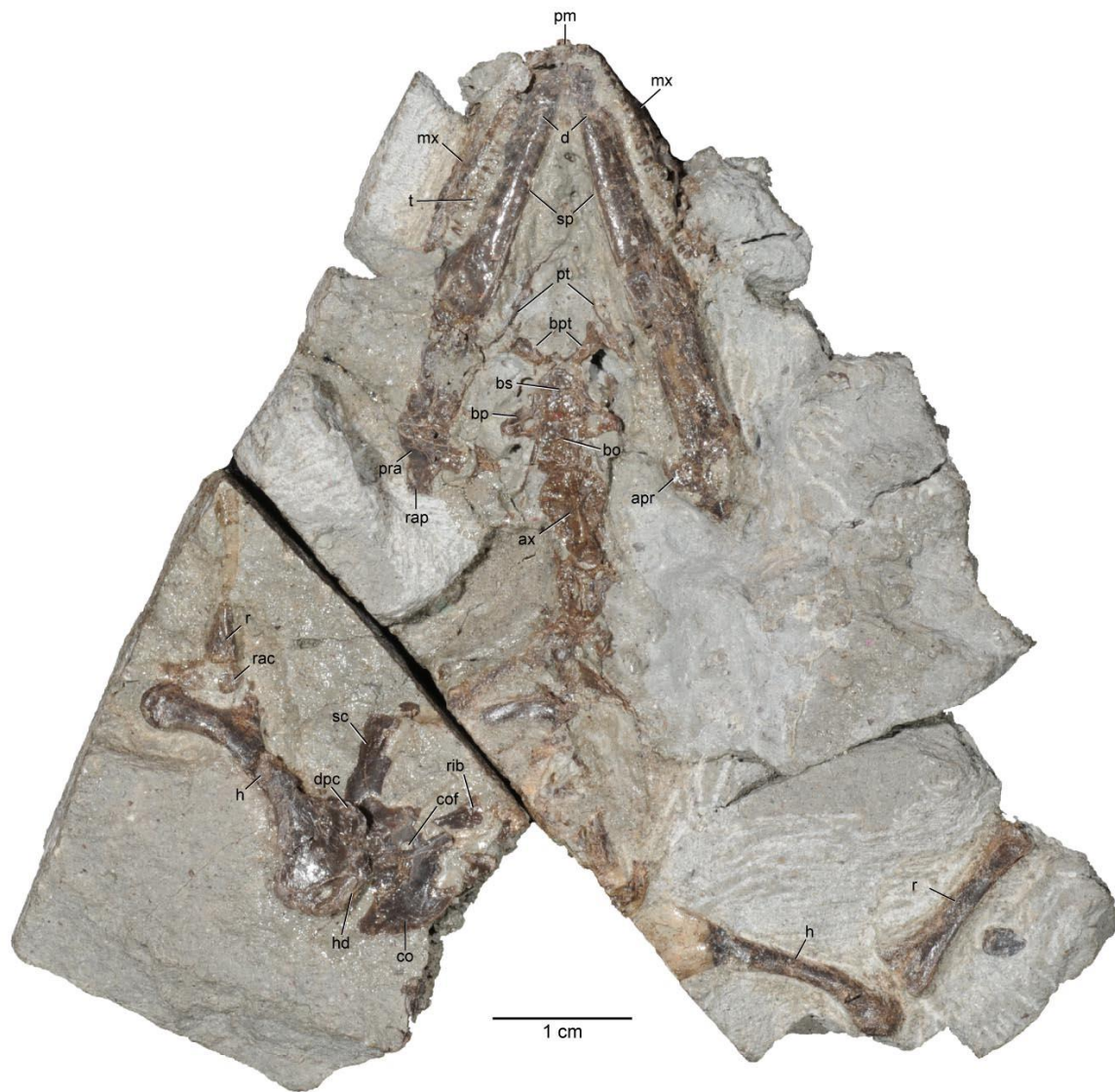


Figure S8. Anterior portion of the referred specimen (MOR 7042 [blocks a and c]) of *Magnuviator ovimonsensis* gen. et sp. nov. in ventral view. Anatomical abbreviations: apr = angular process of the prearticular, ax = axis vertebra, bo = basioccipital, bp = basioccipital process of the basisphenoid, bpt = basipterygoid process of the basisphenoid, bs = basisphenoid, co = coracoid, cof = coracoid foramen, d = dentary, dpc = deltopectoral crest of humerus, h = humerus, hd = proximal head of humerus, mx = maxilla, pm = premaxilla, pra = prearticular, pt = pterygoid, r = radius, rac = radial condyle of humerus, rap = retroarticular process of the articular, sc = scapula, sp = splenial, t = tooth.

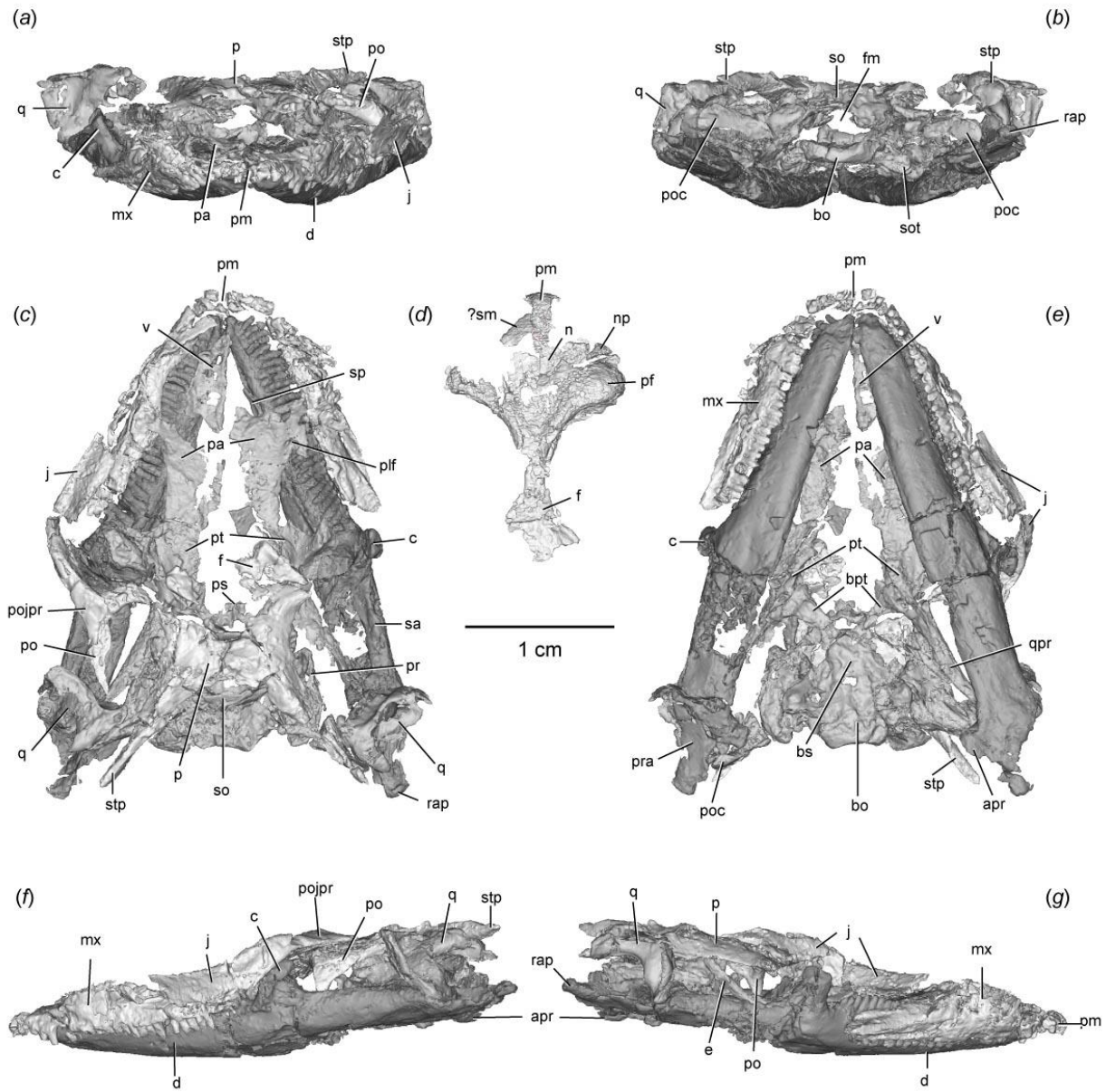


Figure S9. Two dimensional reconstructions of the skull and mandibles of *Magnuviator ovimonsensis* gen et sp. nov. (MOR 7042 [blocks b and c]) based on three-dimensional volumetric renderings derived from computed and micro-computed tomography (CT and μ CT, respectively). MOR 7042c in A, anterior, B, posterior, C, dorsal, E, ventral, F, left lateral, and G, right lateral views. MOR 7042b in D, dorsal view. Anatomical abbreviations: apr = angular process of the prearticular, bo = basioccipital, bpt = basipterygoid process of the basisphenoid, bs = basisphenoid, c = coronoid, d = dentary, e = epipterygoid, f = frontal, fm = foramen magnum, j = jugal, mx = maxilla, n = nasal, np = nasal process of maxilla, p = parietal, pa = palatine, pf = prefrontal, plf = palatine foramen, pm = premaxilla, po = postorbital, poc = paroccipital process of the otooccipital, pojpr = postorbital process of the jugal, pr = prootic, pra = prearticular, ps = parasphenoid, pt = pterygoid, q = quadrate, qpr = quadrate process of the pterygoid, rap = retroarticular process of the articular, sa = surangular, sm = septomaxilla, so = supraoccipital, sot = spheno-occipital or basal tubercle of the basioccipital, sp = splenial, stp = supratemporal process of the parietal, v = vomer.

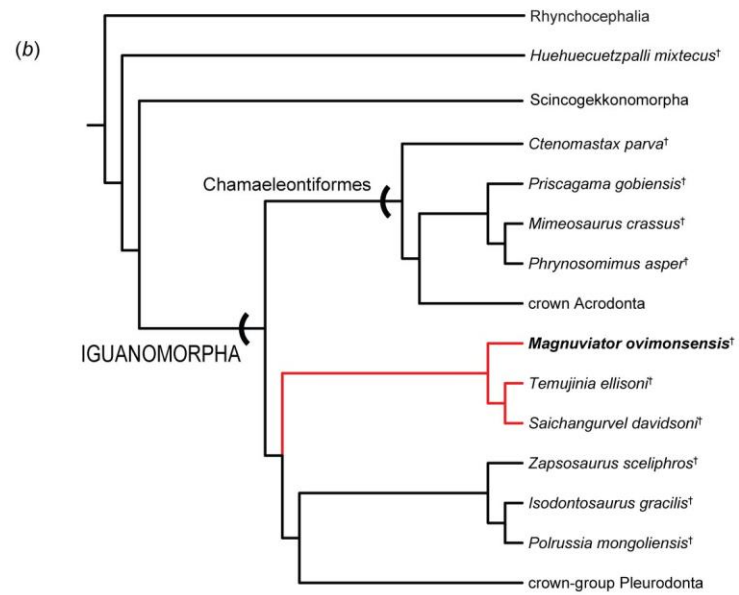
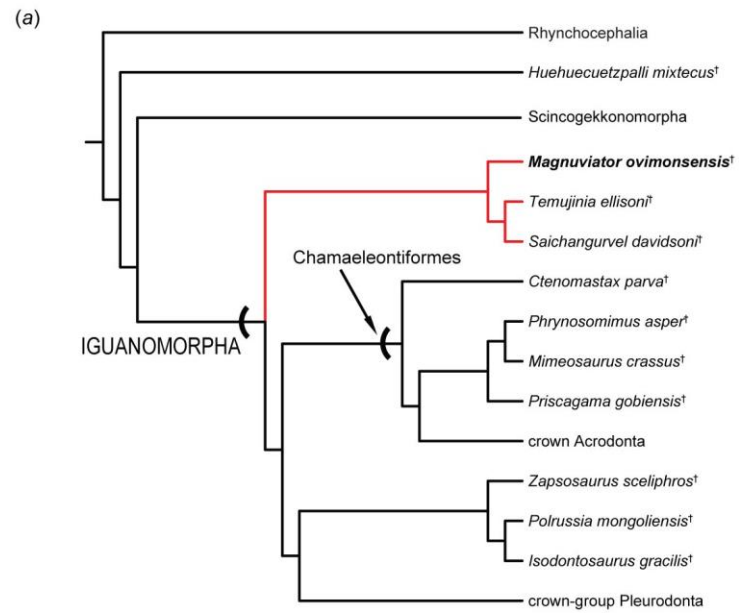


Figure S10. Two alternate topologies of the *Magnuviator*-Temujiniidae (*M-T*) clade (red branches) based on 16 most parsimonious trees (5,291 steps). A, *M-T* clade unresolved relative to Chamaeleontiformes and stem + crown-group Pleurodonta. B, *M-T* clade sister to stem + crown-group Pleurodonta. Rhynchocephalia, Acrodonta, crown-group Pleurodonta, and Scincogekkonomorpha collapsed for brevity. See complete strict consensus tree below in apomorphy list. Extinct taxa denoted by superscript dagger ([†]).

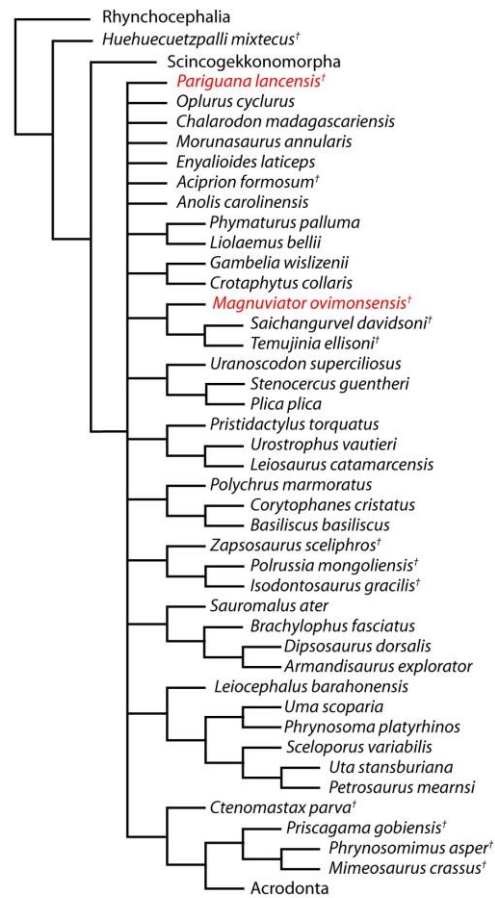


Figure S11. Maximum parsimony strict consensus of 48 most parsimonious trees demonstrating the unresolved phylogenetic relationships of *Pariguana lancensis* within Iguanomorpha. *Magnuviator ovimonsensis* gen. et sp. nov. and *P. lancensis* are shown in red. Rhynchocephalia, Acrodonta, and Scincogekkonomorpha are collapsed for brevity. Extinct taxa denoted by superscript dagger (†).

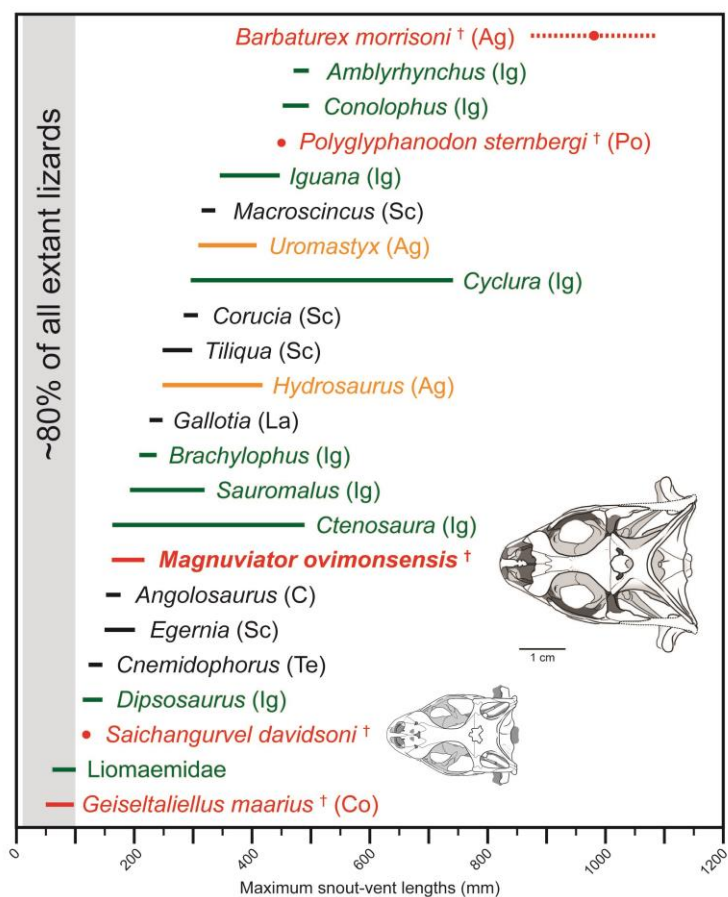


Figure S12. Maximum estimated snout-vent lengths (SVL) of extant and fossil squamates. All named extant taxa in this figure are considered herbivorous [1]. The largest fossil taxa (*Barbaturrex morrisoni*, *Polyglyphanodon sternbergi*) are inferred herbivores [2–4] including possibly *Magnuviator ovimonsensis* gen. et sp. nov. *Saichangurvel davidsoni* and *Geiseltaliellus maarius* are included here for size comparison only. Fossil taxa are in red and indicated by a superscript dagger (†). Extant iguanians in green (Pleurodonta; Co,

Ig) and orange (Acrodonta: Ag). Extant non-iguanian squamates in black (C, La, Sc, Te). Taxonomic abbreviations: Ag = Agamidae, Co = Corytophanidae, C = Cordylidae, Ig = Iguanidae, La = Lacertidae, Po = Polyglyphanodontia, Sc = Scincidae, and Te = Teiidae. Figure modified from [1]. See electronic supplementary material (ESM file S2) and references therein for estimated SVLs of fossil taxa.

2. SUPPLEMENTARY MORPHOLOGICAL DESCRIPTIONS

Detailed descriptions of some of the important bones relevant to iguanomorph phylogeny are provided below.

Frontal – The frontal is nearly complete in MOR 6627 (figure S3), but is missing its anterior portion including the frontonasal margin. The preserved anteroposterior length is ~12.5 mm. The frontal is a single, fused element (azygous) with no indication of a midline suture. In dorsal view, it is hourglass shaped and is narrowest (~2.81 mm) at approximately the midpoint of the medial margin of the orbit. Anteriorly, the frontal expands laterally to ~3.9 mm as preserved, which is less than one half the widest point at the frontoparietal suture. The anterior end of the frontal has a facet dorsolaterally for contact with the prefrontal. The prefrontal facet is curved laterally in dorsal view indicating that the prefrontal wraps around the anterior portion of the frontal. That morphology is confirmed in MOR 7042 where the frontal and prefrontal bones are only slightly disarticulated (figure S9d). The frontoparietal suture is wide (~9.6 mm), transversely oriented, and slightly concave anteriorly when viewed in dorsal view. The anterior margin of the pineal foramen is present along the midline of the frontoparietal suture. The dorsal surface of the frontal is slightly rugose. A

moderately wide and broadly rounded ridge is present along the dorsolateral margins of the posterior half of the frontal.

Posterolaterally, the frontal possesses an anteroposteriorly oriented postfrontal facet.

Postorbital— The presence of a postorbital in MOR 6627 could not be determined. In MOR 7042, only the left postorbital is mostly preserved and is largely hidden by matrix; only the posterior end of the supratemporal process currently is visible. Virtual 3D reconstruction of the skull of MOR 7042 revealed that the left postorbital is triradiate (figures 1c and S9 and ESM videos 1–3); it was shifted ventrolaterally out of natural contact with the parietal and jugal (squamosal not preserved in MOR 7042). In dorsal view, the anterior orbital margin of the postorbital is posteriorly concave. The posteromedial margin of the postorbital is concave anterolaterally with a prominent medial expansion at the base of the supratemporal process anteriorly; that margin forms the anterolateral margin of the supratemporal fossa. In dorsal view, the lateral margin of the postorbital is nearly straight to slightly bowed laterally; in lateral view it is arched dorsally along its ventrolateral margin. The base of the dorsal process of the postorbital is slightly anteroposteriorly expanded when viewed dorsally. The postorbital process tapers to a rounded point ventrally; a broad triangular facet on its lateral face would have articulated anteriorly with the overlapping postorbital process of the jugal. The supratemporal process of the postorbital bone tapers posterodorsally and bears an anteroposteriorly elongate, narrow, and shallow groove presumably for articulation with the squamosal. Given the close proximity of the jugal and squamosal articular facets on the postorbital bone there likely was little, if any, of the lateral face of the postorbital bone exposed between the posterior most end of the jugal and the anterior postorbital process of

the squamosal anteriorly. Ventrally, the postorbital bone is dorsally concave with a depression immediately behind the thickened anterior margin.

Postfrontal – The morphology of the postfrontal could not be determined with certainty in either MOR 6627 or MOR 7042. However, in MOR 7042, our virtual 3D reconstruction of its skull revealed a fragmentary and fractured possible remnant of a postfrontal on the dorsal process of the left postorbital medially. That possible left postfrontal tapers posteromedially and ventrally, but that morphology likely is the result of damage. The lateral region of the possible postfrontal appears to bifurcate and perhaps clasped the postorbital, as in Temujiniidae and *Ctenomastix parva*, but again that morphology cannot be confirmed based on its poor preservation. In MOR 6627, the presence of a postfrontal facet on the posterolateral margin of the frontal indicates the postfrontal possessed a frontal process. Our tentative interpretation of the morphology of the postfrontal of *Magnuviator ovimonsensis* (i.e., clasps the frontoparietal suture and the postorbital; figure 1d, dark transparent grey shading) is based on the phylogenetic relationships of *Magnuviator* (sister to Temujiniidae) and from our morphological observations noted above. Additional specimens are needed to confirm the shape of that bone.

3. SQUAMATE BODY-SIZE ESTIMATES

Skull, snout-vent (SVL), and total body lengths of extant and fossil lizards primarily were taken from the literature. We measured skull lengths of MOR 6627 and 7042 using an AmPro Electronic Digital Caliper (T74615). We used ImageJ v. 1.44p [5] to take measurements of figured specimens in the literature and SVL measurements of photos of MOR 6627 and 7042. See tables in ESM file S2 for details.

4. PALAEOENVIRONMENTAL RECONSTRUCTIONS:

Magnuviator is interpreted to have inhabited a seasonal and semi-arid upland environment based on the geologic, taphonomic, and fossil evidence at Egg Mountain and from its parent Two Medicine Formation [6,7]. The fine-grained sediments of Egg Mountain were heavily modified by pedogenesis and bioturbation under subaerial conditions [7,8] and have yielded body and trace fossils almost exclusively of terrestrial taxa (e.g., lizards, dinosaurs, dinosaur egg clutches, mammals, terrestrial gastropods, insect pupae cases [8–13]). These biotic and abiotic factors at Egg Mountain broadly resemble those from the similarly aged Ukhaa Tolgod locality (Djadokhta Formation), Mongolia, which preserves temujiniids and other stem acrodontans and pleurodontans [14–16]. The recently described stem acrodontan *Gueragama sulamericana* from the Late Cretaceous of Brazil also lived in an arid environment, the Cretaceous Caiuá desert [17]. In contrast to the relatively more xeric environments at Egg Mountain, Ukhaa Tolgod, and the Caiuá desert, most Late Cretaceous nonmarine squamate assemblages of North America were deposited within lowland freshwater

meandering river systems of the Western Interior (Rocky Mountain region) that were predominated by non-iguanian lizards (e.g., chamopsiids, anguids, platynotans [18–21]). Thus, *Magnuviator* inhabited an environment more similar to its sister taxa and other iguanomorphs on other continents than to the contemporaneous neighboring non-iguanian-dominated assemblages of North America.

5. LATE CRETACEOUS AND PALAEOCENE NEW WORLD IGUANOMORPHS:

Several North and South American Late Cretaceous lizards have been referred to Pleurodonta (Iguanidae of the authors listed in this section). However, all specimens attributed as such are based largely on isolated and partial cranial and tooth-bearing elements that are too incomplete or poorly preserved to make a confident referral to the crown clade.

The tentative assignment of the North American Maastrichtian *Pariguana lancensis* to crown Pleurodonta [20] is problematic and is based, in part, on the interpretation that a shallow depression on the posterolateral surface of the dentary beneath the last tooth position represents a coronoid facet. The presence of a coronoid facet would imply that the coronoid extends anteriorly onto the lateral surface of the dentary and that the dentary extends posteriorly beneath the coronoid process, both, of which, are derived features found in some crown pleurodontans (e.g., Hoplocercidae, *Dipsosaurus dorsalis*). However, the holotype and only known specimen of *P. lancensis* (partial mandible; AMNH 22208) lacks most of the coronoid preserving only the anteromedial process of the bone. The mandible of the stem iguanian *Temujinia ellisoni* (e.g., IGM 3/63; see http://www.digimorph.org/specimens/Temujinia_ellisoni/RollSpinMandible.mov) reveals a shallow depression similar in size, shape, depth, and placement as seen in *P. lancensis*. Furthermore, the overall shape of the coronoid process of the dentary anterior to the

coronoid is angled ventroposteriorly towards the surangular in both species (see [20], supplementary information figure S1D) and is nearly identical to each other in angulation and posterior extent. These similarities raise doubt to the interpretation of *P. lancensis* as possessing a dentary coronoid facet and, in turn, an anterior dentary process of the coronoid that extends onto the dentary posterolaterally and below the posterior-most dentary teeth. Accordingly, we scored the character state for the anterolateral dentary process of the coronoid as uncertain (i.e., 394[?]) in our data matrix for *P. lancensis* (see character scorings provided below). Nydam [21] also considers the iguanian affinities of *P. lancensis* as tentative.

Cnephasaurus locustivorus and two unnamed iguanids (Iguanidae new genus and species A and B [18]) from the Late Cretaceous of southern Alberta and Saskatchewan, Canada lack derived features present only in crown pleurodontan lineages. The morphological evidence provided by the maxilla of *C. locustivorus* is insufficient for referral to Pleurodonta and that it most likely represents a member of the extinct non-iguanian clade Chamopsiidae [21]. Longrich et al. [20] consider the remaining unnamed iguanids identified by Gao and Fox [18] as polyglyphanodontians, a clade that includes Chamopsiidae (sensu [20]). Nydam [21], however, considers a few of those specimens to be more convincingly iguanian based on tooth morphology (e.g., tricuspid) and degree and manner of tooth implantation; features common to both stem and crown non-acrodontan iguanian lineages. A recently identified unnamed non-acrodontan iguanian from the Upper Cretaceous (Maastrichtian) Hell Creek Formation of Montana, USA, is based on the anterior portion of a right maxilla [22] and similarly has been attributed to Iguanomorpha based on dental similarities and tooth implantation.

The putative Late Cretaceous iguanians of South America are based on only a few isolated jaw fragments, a partial frontal, and a dentary with associated postcranial elements. The Maastrichtian *Pristiguana brasiliensis* [23] was the first iguanian to be named from the Cretaceous of South America and was considered a member of Pleurodonta. Though it is represented by a dentary and a few cranial and appendicular elements, both its pleurodontan and iguanian affinities have been called into question [24–26]. A partial azygous and hourglass-shaped frontal with a sculptured dorsal ornamentation was identified as a possible pleurodontan (?Iguanidae) from the Cenomanian-Turonian of Patagonia [27]. A later study found that that character combination was not exclusive to Iguanomorpha among squamates ([28] as cited in [25]) though others thought it convincing [26]. However, as Apesteguía et al. [27] originally stated, those features also are common to the Late Cretaceous Priscagamidae (Chamaeleontiformes) of East Asia [15]. We also note that trio of features in *Magnuviator ovimonsensis*, but the ornamentation is less pronounced in *Magnuviator*. The Late Cretaceous (Turonian-Santonian) *Brasiliguana prudentis* of Brazil [29] is based on a left maxilla and is considered a member of Pleurodonta [26]. The weakly inclined anterior margin of the maxillary nasal process and the presence of pleurodont teeth, which were used to support that taxon's pleurodontan affinities, also are present in stem iguanomorphs (e.g., *Temujinia ellisoni*, *Saichangurvel davidsoni* [15,16]).

All of the Palaeocene specimens attributed to Pleurodonta from the Americas [30–32] similarly suffer from poor preservation or incompleteness and thus their crown affinities also are uncertain.

6. MORPHOLOGY-BASED PHYLOGENETIC ANALYSIS METHODOLOGY

To assess the phylogenetic relationships of *Magnuviator ovimonsensis* gen. et sp. nov., we conducted a morphology-based cladistic analysis using the character/taxon data matrix assembled by [33] (original dataset contains 610 morphological characters and 189 squamates and three rhynchocephalians). We scored MOR 6627 and 7042 on the basis of direct observations of the specimens, CT and μ CT images, and virtual 3D reconstructions. We assembled the data matrix in Mesquite v. 3.02 [34]. We performed cladistic analyses in TNT v. 1.1 [35]. We used the New Technology search (sectorial, ratchet, drift, and tree fusing options activated) to search for 500 minimum tree length recoveries. One hundred forty-nine characters were ordered per [33]. We initially treated MOR 6627 and 7042 as separate operational taxonomic units (OTUs) to test the assumption that they belong to the same taxon. Our results demonstrated a sister-pair relationship between those specimens, so in subsequent analyses, we treated them as a single OTU by combining the non-overlapping characters and character state scores derived from each specimen. Strict consensus trees were constructed in PAUP* 4.0b10 [36] and visualized in FigTree v. 1.3.1. Bremer support values for nodes were determined on the basis of a Traditional (TBR) Wagner Parsimony Analysis (1000 replicates) in TNT. The bootstrap analysis was conducted with 1,000 iterations using the New Technology Search in TNT; three minimum tree length recoveries were searched for per each of those 1,000 iterations. A synapomorphy list including unambiguous character-state optimizations for the strict consensus tree was created in PAUP* 4.0b10 (see below).

7. COMBINED MORPHOLOGICAL AND MOLECULAR AND MOLECULAR-ONLY CONSTRAINED PHYLOGENETIC ANALYSIS METHODOLOGIES AND RESULTS

Morphological and molecular-based phylogenetic hypotheses drastically differ in their placement of Iguania within Squamata. Morphological data regularly support Iguania as the sister group to all other squamates (i.e., Scleroglossa) [e.g., 28,33,37]; whereas, molecular data often support Iguania as the sister group to Anguimorpha [e.g., 38,39,40]. To determine if the crownwards position of Iguania has an effect on the phylogenetic placement of *Magnuviator* and the other taxa (fossil and extant) within our dataset, we ran a series of constrained cladistic analyses using the higher-level taxonomic relationships of Squamata based on the combined morphological and molecular topology presented by Reeder et al. (REA; [38], their figures 1 and S8) and the molecular-only topology presented by Pyron et al. (PEA; [39], their figs. 1–28). These two studies recovered an identical higher-level topology for Squamata with the exception of the placement of Dibamidae. For our constrained maximum parsimony analyses we enforced monophyly on the following higher-level taxa/clades: 1) Toxicofera (= Serpentes + (Iguania + Anguimorpha)); 2) Iguania; 3) Anguimorpha; 4) Serpentes; 5) Lacertoidea; 6) Scincoidea; 7) Gekkota; and 8) Dibamidae. The interrelationships of those clades were constrained as follows: REA higher-level topology - ((Gekkota + Dibamidae) (Scincoidea (Lacertoidea (Toxicofera)))); PEA topology - (Dibamidae (Gekkota (Scincoidea (Lacertoidea (Toxicofera)))). All extant species within our dataset were unconstrained within those clades. The fossil taxa were unconstrained within Squamata. Both analyses were ran with and without the fossil taxon *Pariguana lancensis*; only the cladograms excluding it are shown below. We performed the cladistic analyses in TNT v. 1.1. using the New Technology search (sectorial, ratchet, drift, and tree fusing options activated) to search for 500 minimum tree length recoveries. One hundred forty-nine

characters were ordered per [33]. The strict consensus trees are presented below (figures S12 and S13) and were created in FigTree v.1.4.2 (<http://tree.bio.ed.ac.uk>). Both combined morphological and molecular and molecular-only constrained analyses recovered *Magnuviator* as a stem iguanian or stem pleurodontan, results similar to those obtained in our morphology-only analysis (see figures 2a and S9).

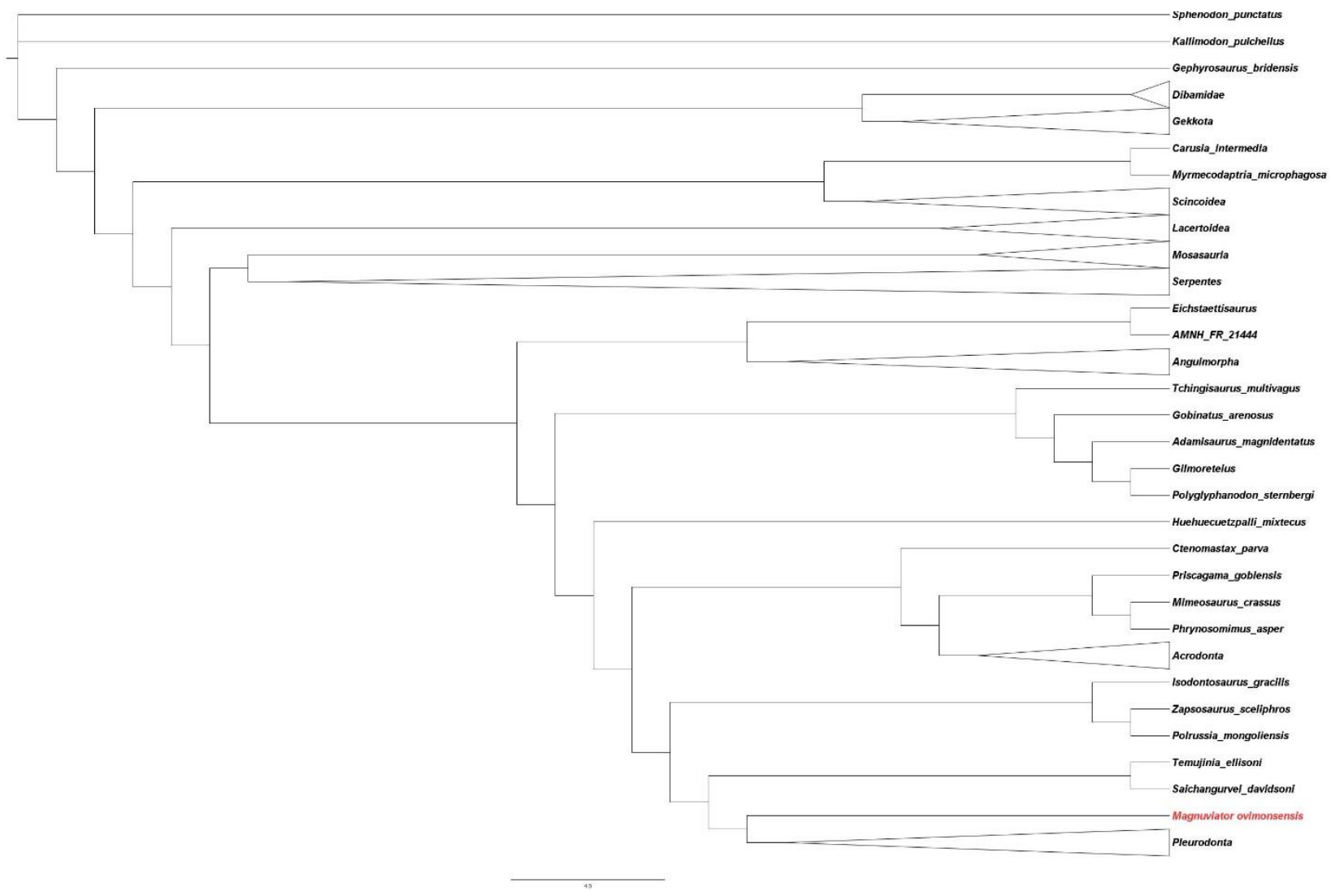


Figure S13. Maximum parsimony strict consensus tree (646 most parsimonious trees [mpts], 5451 steps) based on our higher-level constraint tree reconstructed from the REA morphological and molecular likelihood analysis topology [38, their figures 1 and S8]. Some clades are collapsed (triangles) for brevity. *Magnuviator ovimonsensis* gen. et sp. nov. (red font) was recovered as the closest sister taxon to crown Pleurodonta and is crownwards of Temujiniidae. Temujiniidae was found crownwards of Isodontosauridae (= *Isodontosaurus* + [*Zapsosaurus* + *Polrussia*]). That topology is similar to eight of our 16 mpts based on morphology wherein *Magnuviator* + Temujiniidae are stem pleurodontans; however, in our morphology-only analysis that clade was basal to Isodontosauridae (figure S9b). Polyglyphanodontia and *Huehuecuetzpalli mixtecus* (an Early Cretaceous [Albian] squamate from Mexico) were recovered as stem iguanians, a result independently found for each of those taxa based on combined morphological and molecular phylogenetic analyses ([38] and [40], respectively). Morphology-based analyses alternatively and consistently placed *H. mixtecus* as a stem squamate (e.g., [33,41]).

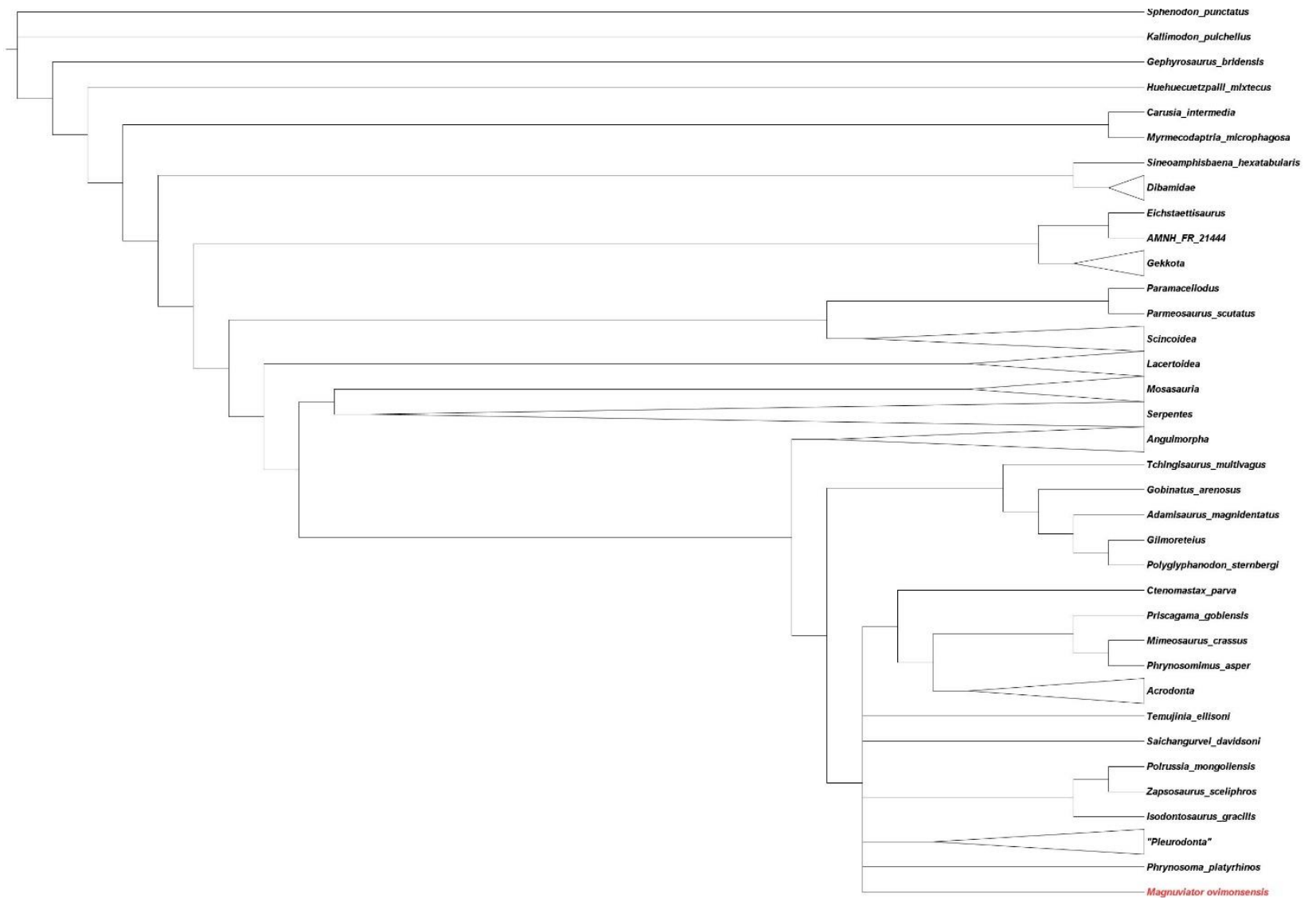


Figure S14. Maximum parsimony strict consensus tree (354 mpts, 5453 steps) based on our higher-level taxa constraint tree reconstructed from the PEA molecular maximum likelihood analysis topology [39, their figures 1–28]. Some clades are collapsed (triangles) for brevity. *Magnuviator ovimonsensis* gen. et sp. nov. (red font) is in an unresolved polytomy with the fossil Gobi taxa *Saichangurvel*, *Temujinia*, and Isodontosauridae, the extant pleurodontan *Phrynosoma* (Phrynosomatidae), a poorly resolved Pleurodonta, and stem + crown Acrodonta (Chamaeleontiformes). Quotations were placed around Pleurodonta (“Pleurodonta”) as it was recovered as a paraphyletic clade with respect to *Phrynosoma platyrhinos*. Polyglyphanodontia was recovered as a basal clade of iguanomorphs as in [38]. *Huehuecuetzpalli mixtecus* was recovered as a stem squamate.

Discussion: Comparison of these results with our morphology-only analysis revealed similar but varying hypotheses for the placement of *Magnuviator ovimonsensis* gen. et sp. nov. However, in all analyses *Magnuviator* was recovered as a stem member of Iguania (i.e., stem iguanomorph or stem pleurodontan). The alternative lower-level phylogenetic relationships of *Magnuviator* based on the strict consensus topologies are as follows: 1) based on morphology only, *Magnuviator* is sister to Temujinidae and together are in an unresolved polytomy with Chamaeleontiformes (including Acrodonta) and stem and crown Pleurodonta (see figure 2a); 2) based on the combined morphological and molecular constrained analysis per [38], *Magnuviator* is the sister taxon to crown-group Pleurodonta (figure S12); and, 3) based on the molecular-only constrained analysis per [39], the relationships of *Magnuviator* with other iguanomorphs are uncertain (figure S13). Although the strict consensus topologies from these three analyses vary, congruence was found among several of their most parsimonious trees. For example, eight of the 16 mpts from our morphology-only analysis revealed *Magnuviator* and Temujiniidae as stem pleurodontans, a result recovered in all 646 mpts of our combined morphological and

molecular constrained analysis. Likewise, the other eight mpts from our morphology-only analysis and several of the 354 mpts from our molecular-only constrained analysis revealed an equivalent topology for the placement of *Magnuviator* (i.e., *Magnuviator* + Temujiniidae is the basal most iguanomorph clade). However, none of those 354 mpts revealed the stem pleurodontan relationship of *Magnuviator*. Overall, results of these constrained analyses do not significantly differ from the morphology only hypotheses for the phylogenetic relationships of *Magnuviator* and in some cases they are the same. The phylogenetic relationships of *Pariguana lancensis* are unresolved; all analyses (morphology only and constrained) produced a poorly resolved Iguanomorpha based on the strict consensus topologies (figure S9; trees not shown for constrained analyses).

8. CHARACTER SCORINGS OF *MAGNUVIATOR OVIMONSENSIS* AND *PARIGUANA LANCENSIS*:

Character scorings for *Magnuviator ovimonsensis* gen. et sp. nov. were individually scored for the holotype (MOR 6627) and referred specimen (MOR 7042) and later combined (MOR 6627 + 7042) for the final phylogenetic analyses. See [33] for characters and character state descriptions.

Magnuviator ovimonsensis (combined character scorings of MOR 6627 and 7042)

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Magnuviator ovimonsensis (MOR 6627; holotype)

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Magnuviator ovimonsensis (MOR 7042; referred specimen)

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Pariguana lancensis (AMNH 22208)

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9. COMPUTED TOMOGRAPHY:

MOR 6627 was scanned at a voxel resolution of 67.7 microns (μm^3). MOR 7042 was preserved in several blocks and each block was scanned independently at the following voxel resolutions: MOR 7042a+c (skull and partial forelimb and pectoral girdle) at $58.6 \mu\text{m}^3$; MOR 7042d (majority of the postcranial skeleton) at $47.8 \mu\text{m}^3$; and, MOR 7042b (portions of the premaxilla, nasals, prefrontals, and frontal) at $30.7 \mu\text{m}^3$. Both specimens (except MOR 7042b) were scanned at the Microscopy and Imaging Facility at the American Museum of Natural History, New York, New York, USA using a GE phoenix Vtome x S 240 CT scanner. MOR 7042b was scanned using a SkyScan 1174 μCT scanner at the University of Washington (S. Santana Lab, Department of Biology), Seattle, Washington, USA.

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11. MORPHOLOGY-BASED MAXIMUM PARSIMONY STRICT CONSENSUS TREE AND APOMORPHY LIST:

P A U P *
Version 4.0b10 for 32-bit Microsoft Windows
Wed Jun 15 14:08:09 2016

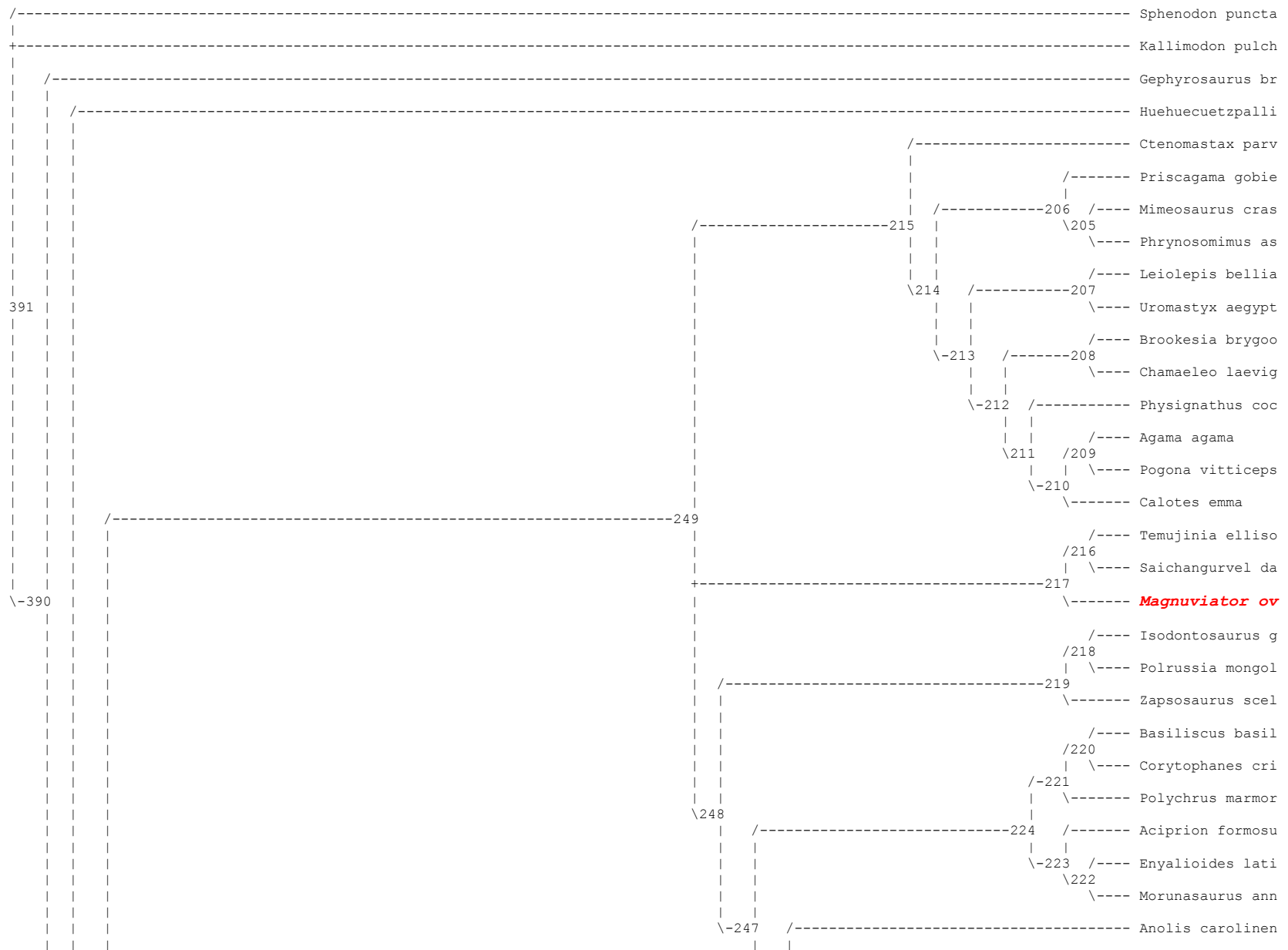
```
-----NOTICE-----  
This is a beta-test version. Please report any crashes,  
apparent calculation errors, or other anomalous results.  
There are no restrictions on publication of results obtained  
with this version, but you should check the WWW site  
frequently for bug announcements and/or updated versions.  
See the README file on the distribution media for details.  
-----
```

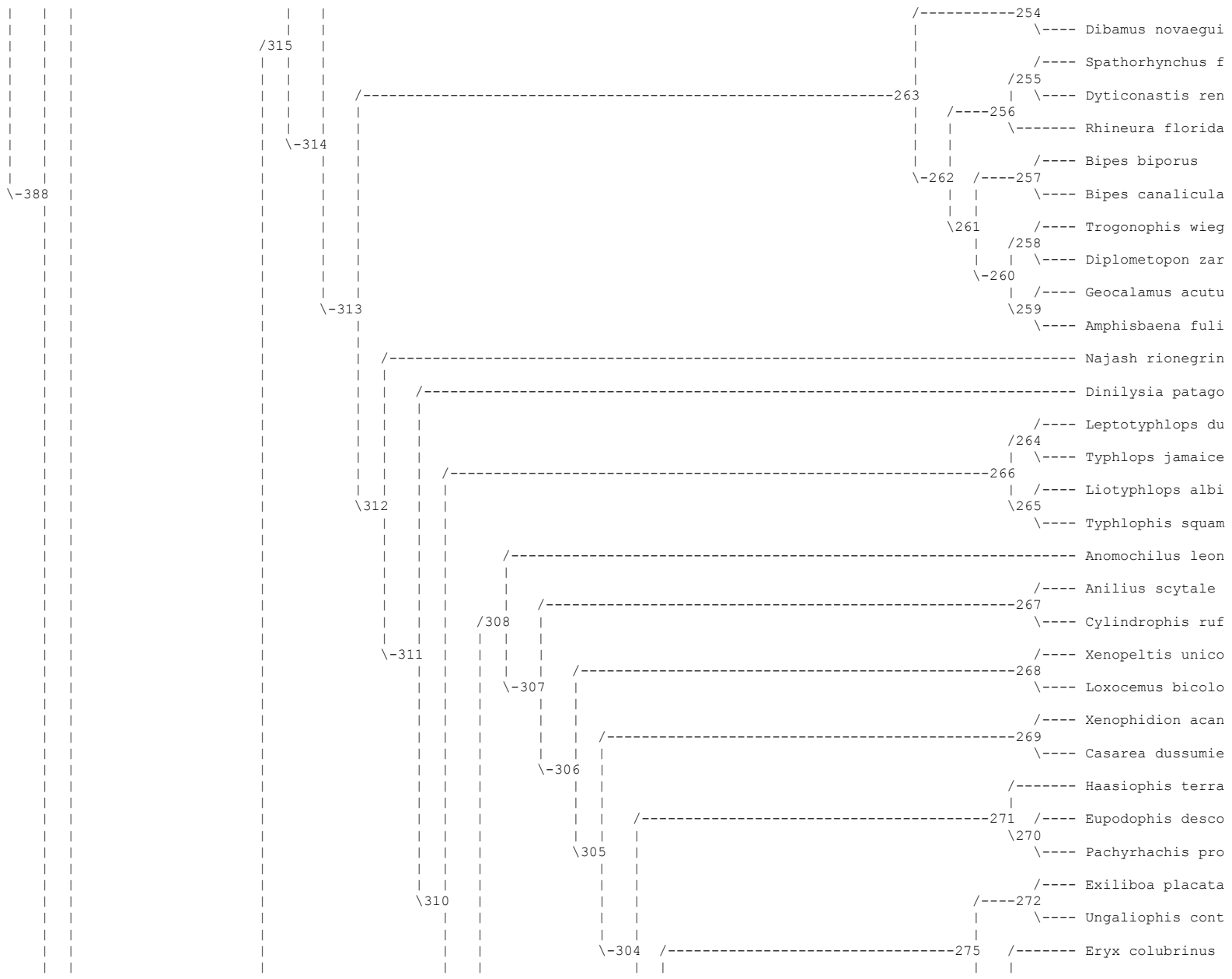
Tree description:

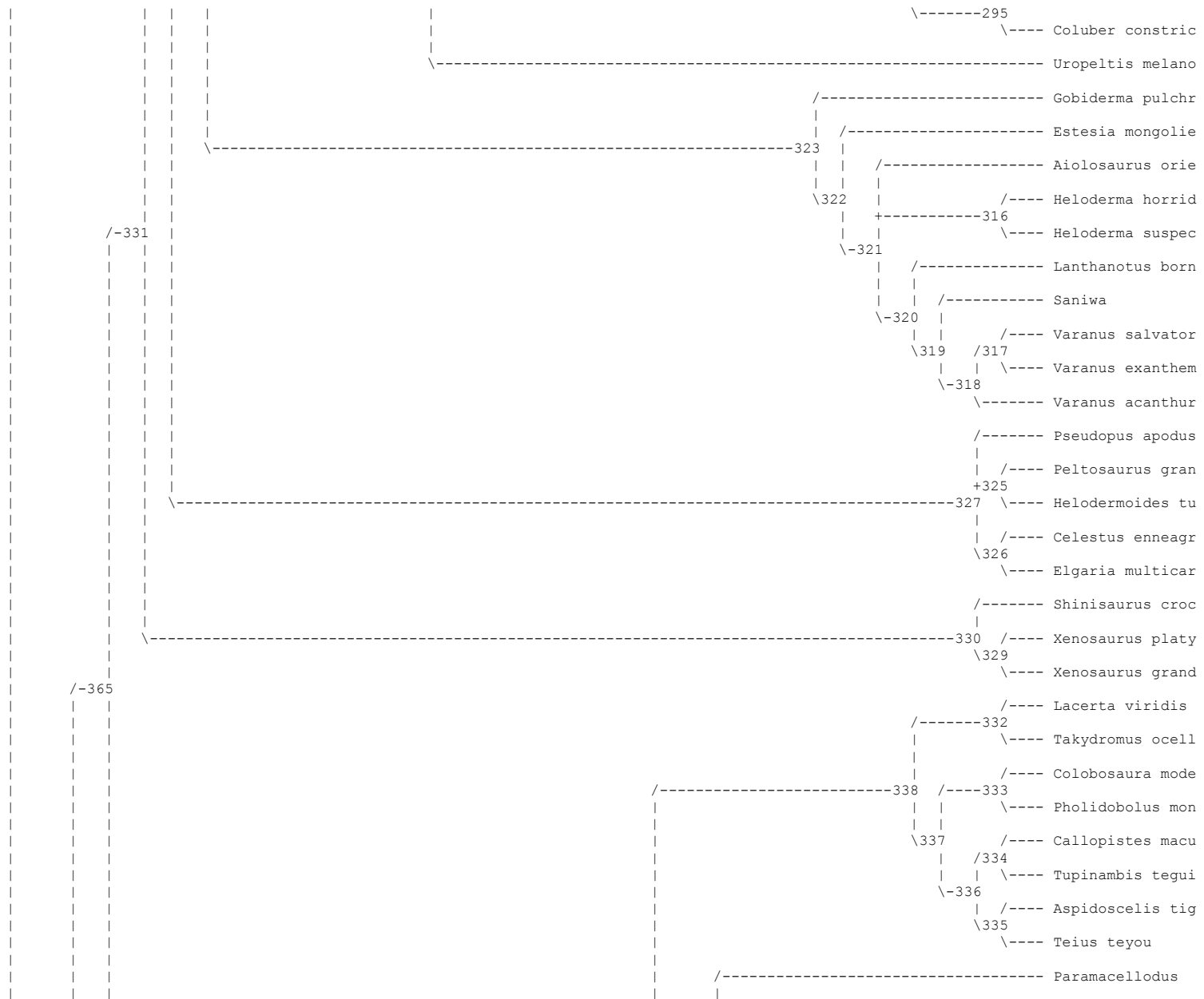
Unrooted tree(s) rooted using outgroup method
Optimality criterion = parsimony
Character-status summary:
Of 610 total characters:
149 characters are of type 'ord' (Wagner)
461 characters are of type 'unord'
All characters have equal weight
4 characters are parsimony-uninformative
Number of parsimony-informative characters = 606
Multistate taxa interpreted as uncertainty
Character-state optimization: Accelerated transformation (ACCTRAN)

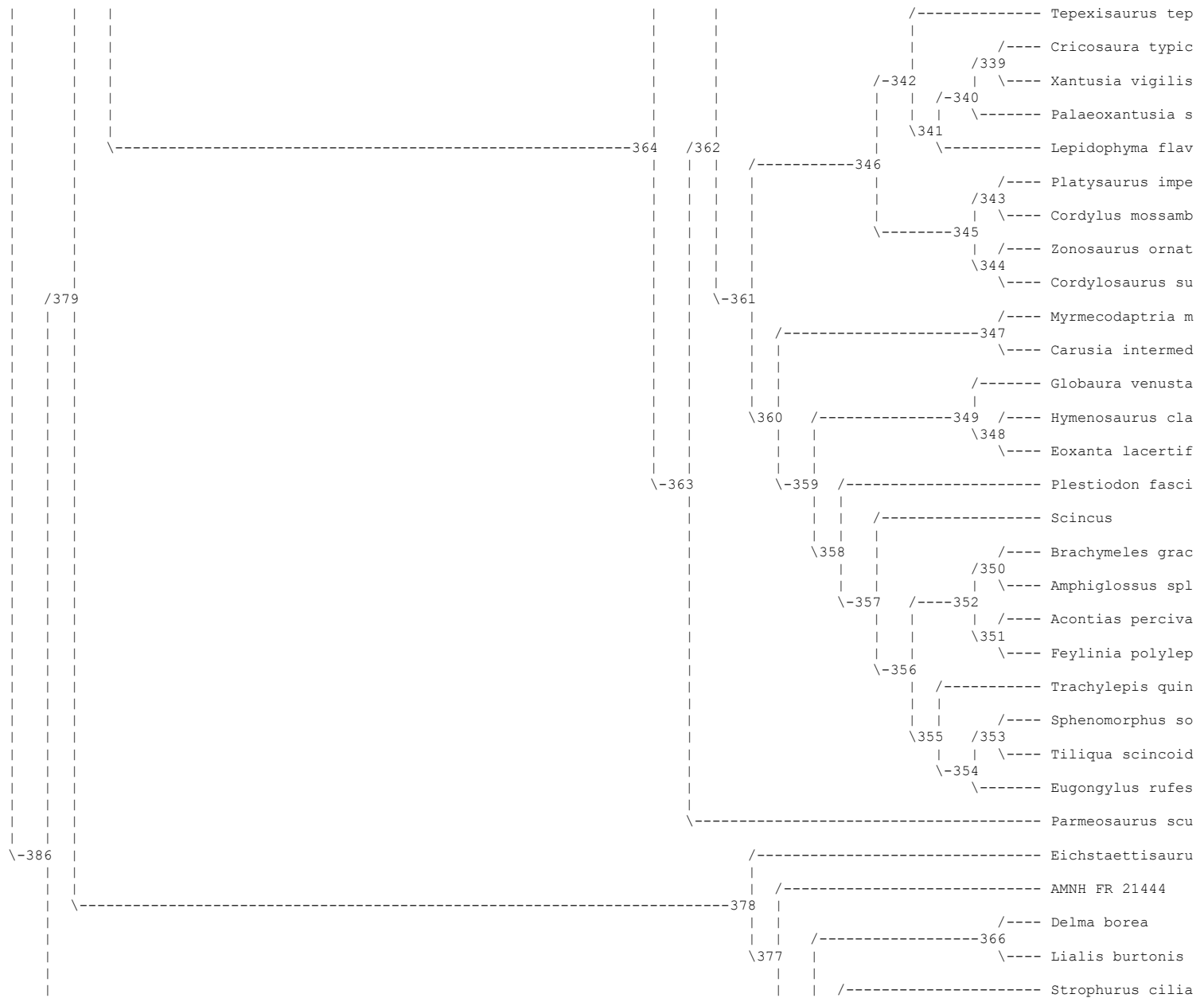
Tree number 1 (rooted using default outgroup)

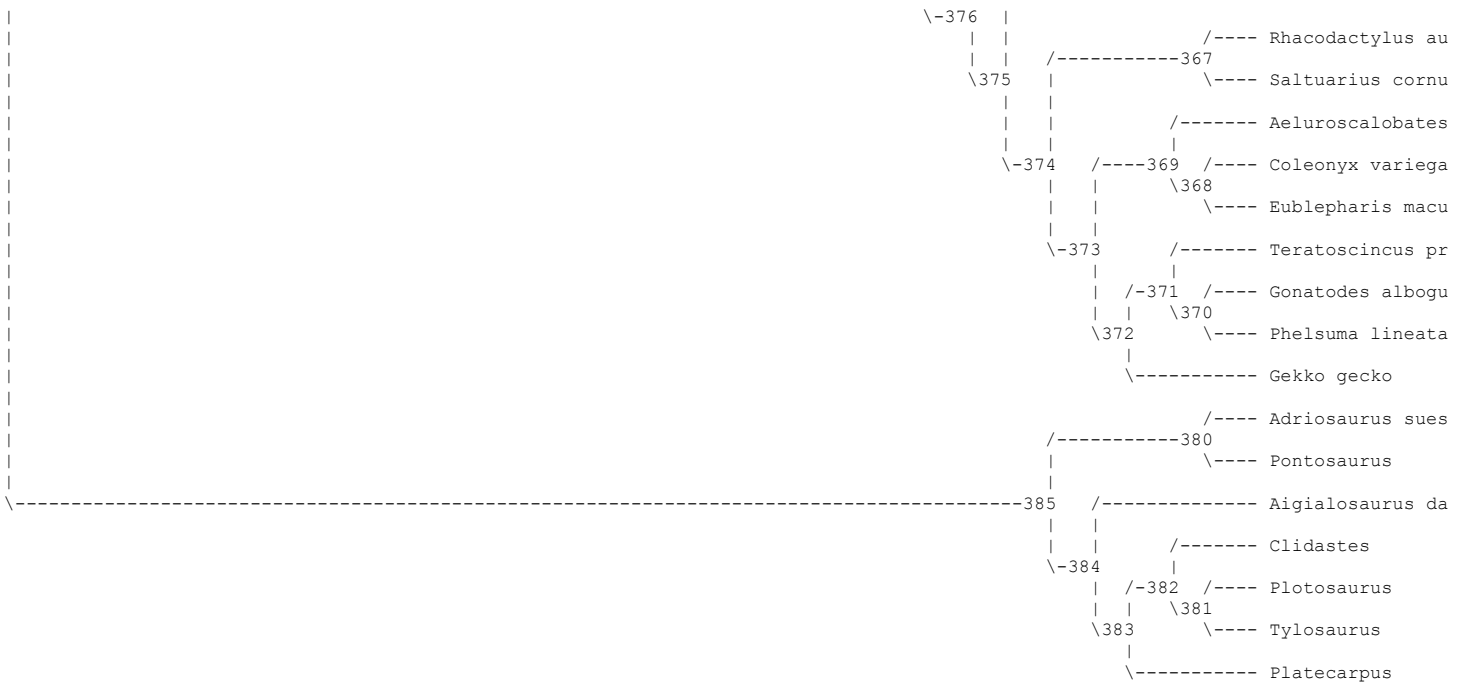
Tree length = 5301
Consistency index (CI) = 0.1837
Homoplasy index (HI) = 0.8163
CI excluding uninformative characters = 0.1831
HI excluding uninformative characters = 0.8169
Retention index (RI) = 0.7929
Rescaled consistency index (RC) = 0.1457











Apomorphy lists:

Branch	Character	Steps	CI	Change
node_391 --> Sphenodon puncta	8	1	0.182	0 ==> 2
	64	1	0.167	0 ==> 1
	120	1	0.130	1 --> 2
	123	1	0.125	0 --> 1
	137	1	0.077	0 --> 1
	154	1	0.077	0 --> 1
	180	1	0.250	0 --> 1
	193	1	0.100	0 --> 1
	213	1	0.048	0 --> 1
	307	1	0.125	0 --> 1
	351	1	0.375	0 --> 1
	382	1	0.333	0 --> 1
	387	1	0.222	0 --> 1
	397	1	0.333	0 --> 1
	455	1	0.148	0 ==> 1
	463	1	0.108	1 --> 2
	470	1	0.125	0 ==> 1
561	1	0.154	1 ==> 0	
node_391 --> Kallimodon pulch	328	1	0.054	0 ==> 1
	419	2	0.073	2 ==> 0
	488	1	0.133	0 ==> 1
node_391 --> node_390	497	1	0.048	0 --> 1
	29	1	0.083	0 --> 1
	36	1	0.063	0 ==> 1
	65	1	1.000	2 ==> 1
	85	1	0.500	1 ==> 0
	88	1	0.125	0 ==> 1
	93	1	0.111	1 ==> 0
	102	1	0.333	0 ==> 1
	116	1	0.300	0 ==> 1
	155	1	0.133	0 ==> 1
	187	1	0.500	0 --> 1
	209	1	1.000	0 --> 1
	254	1	0.182	2 ==> 0
	256	1	0.333	2 ==> 1
	267	1	0.038	1 --> 0
	297	1	0.100	0 --> 1
	316	1	0.200	0 --> 1
	334	1	0.167	0 --> 1
	346	1	1.000	0 --> 1
	360	1	0.125	0 --> 1
	364	1	0.105	2 ==> 1
	384	1	0.097	0 --> 1
	400	1	0.200	1 ==> 0
404	1	0.100	1 ==> 0	
419	2	0.073	2 ==> 4	
420	1	0.085	2 ==> 3	

	421	1	0.075	2	==>	3
	423	1	0.100	1	==>	0
	430	1	0.333	1	==>	0
	521	1	0.067	1	==>	0
	535	1	0.143	0	-->	1
	537	1	1.000	0	-->	1
	538	1	1.000	0	-->	1
	546	1	0.100	0	-->	1
	556	1	0.500	0	-->	1
	572	1	0.058	0	==>	1
	584	1	0.188	0	-->	1
	590	1	0.308	0	-->	1
	605	1	1.000	0	-->	1
node_390 --> Gephyrosaurus br	153	1	0.100	0	==>	1
	230	1	0.333	1	==>	0
	278	1	0.500	0	==>	1
	341	1	0.033	0	==>	1
	401	1	0.077	0	==>	1
	416	1	0.286	0	==>	4
	420	1	0.085	3	==>	4
	421	1	0.075	3	==>	4
	463	1	0.108	1	==>	0
	514	1	0.083	0	==>	1
	529	1	0.286	1	==>	0
node_390 --> node_389	9	1	0.250	1	==>	0
	24	1	0.071	0	-->	1
	57	1	0.190	0	==>	1
	63	1	0.286	0	-->	1
	65	1	1.000	1	==>	0
	113	1	0.500	0	-->	1
	114	1	0.148	1	-->	2
	120	1	0.130	1	-->	0
	144	1	0.091	0	==>	1
	149	2	0.087	0	==>	2
	155	1	0.133	1	==>	2
	166	1	0.091	1	==>	0
	177	1	1.000	0	==>	1
	179	1	0.143	0	==>	1
	181	1	1.000	0	==>	1
	182	2	0.273	0	==>	2
	187	1	0.500	1	-->	2
	199	1	1.000	0	-->	1
	240	1	0.125	1	-->	0
	241	1	0.667	0	-->	1
	250	1	0.273	0	-->	1
	255	1	0.077	0	-->	1
	256	1	0.333	1	-->	0
	257	1	0.500	0	-->	1
	259	1	0.250	0	-->	1
	285	1	0.333	0	-->	1
	295	1	1.000	0	==>	1

	296	1	0.333	0	-->	2
	336	1	1.000	0	-->	1
	352	1	0.500	0	-->	1
	354	1	1.000	0	-->	1
	364	1	0.105	1	==>	0
	369	2	0.100	2	==>	0
	374	1	0.250	1	==>	0
	381	1	0.500	0	==>	1
	387	1	0.222	0	-->	1
	388	1	0.105	0	-->	1
	390	2	0.100	0	==>	2
	393	1	0.250	0	==>	1
	415	1	0.222	1	-->	0
	463	1	0.108	1	-->	2
	493	1	0.200	0	==>	1
	494	1	0.133	0	-->	1
	495	1	0.125	0	==>	1
	503	1	0.286	0	-->	1
	504	1	0.125	0	-->	1
	507	1	0.167	0	-->	1
	509	1	0.158	0	-->	1
	513	1	0.083	0	==>	1
	557	1	0.125	0	-->	1
node_389 --> Huehucuetzpalli	6	1	0.100	0	-->	1
	7	2	0.069	0	==>	2
	10	1	0.087	0	==>	1
	63	1	0.286	1	==>	2
	71	1	0.429	0	==>	2
	191	1	0.167	0	==>	1
	214	1	0.200	0	==>	1
node_389 --> node_388	1	1	0.167	0	==>	1
	48	1	0.103	1	-->	2
	56	1	0.190	0	==>	1
	58	1	0.222	0	==>	1
	78	1	0.571	0	==>	1
	84	4	0.129	0	-->	4
	103	1	1.000	0	==>	1
	111	1	0.222	0	-->	1
	413	1	0.033	0	-->	1
	419	1	0.073	4	-->	3
	434	1	0.111	0	-->	2
	467	1	0.333	0	==>	1
	468	1	0.120	1	==>	2
	533	1	0.333	0	-->	1
	534	1	0.500	0	==>	1
	560	1	1.000	0	==>	1
	561	1	0.154	1	==>	0
node_388 --> node_249	58	1	0.222	1	==>	2
	79	1	0.500	0	-->	1
	105	1	0.667	0	==>	1
	112	1	0.167	0	-->	1

	116	1	0.300	1	==>	2
	130	1	0.500	0	==>	1
	258	1	0.081	0	==>	1
	267	1	0.038	0	-->	1
	291	1	0.053	0	==>	1
	306	1	0.286	0	==>	1
	411	1	0.333	0	==>	1
	447	1	0.083	0	-->	1
	448	1	0.125	0	==>	1
	470	1	0.125	0	==>	2
	481	1	0.083	0	==>	1
	497	1	0.048	0	-->	1
	519	1	0.077	0	-->	1
	535	1	0.143	1	==>	2
	553	1	0.200	0	-->	1
	609	1	0.167	0	==>	1
node_249 --> node_215	62	1	0.111	0	==>	2
	112	1	0.167	1	-->	0
	348	1	0.111	0	-->	1
	413	1	0.033	1	-->	0
	417	1	0.400	0	==>	1
	419	1	0.073	3	==>	2
	421	1	0.075	3	==>	2
	436	1	0.500	0	==>	1
	463	1	0.108	2	-->	3
	468	2	0.120	2	-->	0
	470	1	0.125	2	-->	3
	482	1	0.333	0	-->	1
	584	1	0.188	1	-->	2
node_215 --> Ctenomastax parv	48	1	0.103	2	==>	1
	64	1	0.167	0	==>	1
	361	1	0.160	4	==>	3
node_215 --> node_214	3	1	0.182	0	==>	1
	25	1	0.118	0	==>	1
	48	1	0.103	2	-->	3
	71	1	0.429	0	==>	2
	120	1	0.130	0	==>	1
	136	1	0.500	0	==>	1
	285	1	0.333	1	-->	0
	364	1	0.105	0	==>	1
	415	1	0.222	0	==>	1
node_214 --> node_206	30	1	0.167	0	-->	1
	146	1	0.167	0	==>	1
	156	1	0.333	0	==>	1
	368	1	0.182	0	-->	1
	375	2	0.065	1	==>	3
	572	2	0.058	1	==>	3
node_206 --> Priscagama gobie	301	1	0.333	0	==>	1
node_206 --> node_205	48	1	0.103	3	-->	2
	151	1	1.000	0	==>	1
	399	1	0.063	0	-->	1

	420	1	0.085	3	-->	2
node_214 --> node_213	3	1	0.182	1	==>	2
	7	3	0.069	0	==>	3
	23	1	0.158	0	==>	1
	62	1	0.111	2	==>	3
	63	1	0.286	1	==>	2
	94	1	0.063	0	-->	2
	111	1	0.222	1	==>	2
	137	1	0.077	0	-->	1
	144	1	0.091	1	-->	0
	149	1	0.087	2	-->	1
	266	1	1.000	0	==>	1
	364	1	0.105	1	==>	2
	366	1	0.500	0	==>	2
	369	1	0.100	0	==>	1
	375	1	0.065	1	==>	0
	385	1	0.067	0	-->	2
	388	1	0.105	1	==>	0
	390	1	0.100	2	==>	1
	392	1	0.105	0	==>	1
	401	1	0.077	0	==>	1
	419	1	0.073	2	-->	1
	423	1	0.100	0	==>	1
	430	1	0.333	0	==>	1
node_213 --> node_207	82	2	0.118	0	==>	2
	147	1	1.000	0	==>	1
	204	1	0.125	0	==>	1
	275	1	0.333	0	==>	2
	420	1	0.085	3	==>	2
	424	1	0.500	0	==>	1
	439	1	0.118	0	==>	1
	447	1	0.083	1	-->	0
	483	1	0.120	1	==>	0
	484	1	0.100	0	==>	1
	494	1	0.133	1	==>	0
	498	1	0.083	1	==>	0
	512	1	0.091	0	-->	1
	572	1	0.058	1	==>	0
node_207 --> <i>Leirolepis bellia</i>	94	1	0.063	2	-->	0
	137	1	0.077	1	-->	0
	148	1	0.091	0	==>	1
	149	1	0.087	1	-->	2
	154	1	0.077	0	==>	2
	182	1	0.273	2	==>	1
	212	1	0.182	0	==>	1
	294	1	0.091	0	==>	1
	385	1	0.067	2	-->	0
	399	1	0.063	0	==>	1
	419	1	0.073	1	-->	2
	421	1	0.075	2	==>	3
	449	1	0.200	0	==>	1

	500	1	0.133	0	==>	2
	514	1	0.083	0	==>	1
node_207 --> Uromastyx aegypt	10	2	0.087	0	==>	2
	19	1	0.167	0	==>	1
	20	1	0.167	0	==>	1
	48	1	0.103	3	==>	4
	62	1	0.111	3	==>	1
	120	1	0.130	1	==>	0
	123	1	0.125	0	==>	1
	144	1	0.091	0	-->	1
	153	1	0.100	0	==>	1
	188	2	0.080	0	==>	2
	213	1	0.048	0	==>	1
	232	1	0.143	0	==>	1
	240	1	0.125	0	==>	2
	250	2	0.273	1	==>	3
	285	1	0.333	0	==>	1
	291	1	0.053	1	==>	0
	340	1	0.095	0	==>	1
	344	1	0.048	0	==>	1
	349	1	0.136	0	==>	1
	360	1	0.125	1	==>	0
	367	1	0.125	0	==>	1
	411	1	0.333	1	==>	0
	415	1	0.222	1	==>	0
	434	1	0.111	2	==>	0
	448	1	0.125	1	==>	0
	496	1	0.083	0	==>	1
	509	1	0.158	1	==>	0
	519	1	0.077	1	==>	0
	526	1	0.143	0	==>	1
	554	1	0.167	0	==>	2
node_213 --> node_212	8	1	0.182	0	==>	2
	78	1	0.571	1	==>	4
	79	1	0.500	1	-->	0
	81	1	1.000	0	==>	1
	114	1	0.148	2	==>	1
	120	1	0.130	1	==>	2
	139	1	1.000	0	==>	1
	185	1	0.067	1	==>	0
	231	1	0.077	0	==>	1
	240	1	0.125	0	-->	1
	284	1	1.000	0	==>	1
	407	1	1.000	0	-->	1
	412	1	0.111	0	==>	1
	440	1	0.200	1	-->	2
	442	1	0.143	1	==>	0
	454	1	0.400	0	-->	1
	489	1	0.111	0	==>	1
	491	1	0.143	0	-->	1
	503	1	0.286	1	-->	0

node_212 --> node_208

551	1	0.167	0	==>	1
20	1	0.167	0	==>	1
50	1	0.167	0	==>	1
56	1	0.190	1	==>	2
57	1	0.190	1	==>	3
58	2	0.222	2	-->	0
98	1	1.000	0	==>	1
99	1	0.250	0	==>	1
102	1	0.333	1	-->	0
114	1	0.148	1	==>	0
116	1	0.300	2	==>	0
129	2	0.051	0	==>	2
130	1	0.500	1	==>	2
134	1	0.333	0	==>	1
173	1	1.000	0	==>	1
177	1	1.000	1	==>	2
179	1	0.143	1	==>	0
180	1	0.250	0	==>	1
182	1	0.273	2	==>	3
183	1	0.500	0	==>	1
188	1	0.080	0	==>	1
194	1	0.600	0	==>	2
196	1	1.000	0	==>	1
212	1	0.182	0	==>	1
290	1	0.333	0	==>	1
297	1	0.100	1	-->	0
301	2	0.333	0	==>	2
311	1	0.286	0	==>	1
328	2	0.054	0	==>	2
338	1	0.143	0	==>	1
342	1	0.333	0	-->	1
350	1	0.333	0	==>	1
360	1	0.125	1	==>	0
361	1	0.160	4	==>	3
374	1	0.250	0	==>	1
383	1	0.080	0	==>	1
404	1	0.100	0	==>	1
417	1	0.400	1	==>	0
439	1	0.118	0	==>	2
445	1	0.300	1	==>	3
446	1	0.143	0	==>	1
450	1	0.143	0	-->	1
451	1	0.333	0	-->	1
454	1	0.400	1	==>	2
459	1	0.182	0	==>	1
463	1	0.108	3	-->	2
477	1	1.000	1	==>	0
481	1	0.083	1	==>	0
483	1	0.120	1	==>	2
486	1	0.400	2	-->	3
487	2	0.222	0	==>	2

	488	1	0.133	0	==>	1
	493	1	0.200	1	==>	0
	495	1	0.125	1	==>	0
	499	1	0.143	0	==>	1
	505	1	0.167	0	==>	1
	513	1	0.083	1	==>	0
	514	1	0.083	0	==>	1
	517	1	0.200	0	==>	1
	518	2	0.100	0	==>	2
	521	1	0.067	0	==>	1
	522	1	1.000	0	==>	1
	523	1	1.000	0	==>	1
	530	1	0.200	0	==>	1
	531	1	0.125	0	==>	1
	532	1	0.500	0	==>	1
	536	1	1.000	0	==>	1
	539	1	0.500	1	==>	0
	540	1	0.500	0	==>	1
	542	1	0.273	0	-->	1
	545	1	1.000	0	==>	1
	546	1	0.100	1	==>	0
	547	1	0.250	0	==>	1
	549	1	0.250	0	==>	1
	550	1	0.200	0	-->	1
	554	1	0.167	0	-->	2
	558	1	1.000	0	==>	1
	563	1	1.000	0	==>	1
	566	1	0.444	0	-->	1
	568	1	1.000	0	==>	1
	569	1	0.333	0	==>	1
	584	1	0.188	2	-->	3
node_208 --> Brookesia brygoo	17	1	0.167	0	==>	1
	29	1	0.083	1	==>	0
	132	3	0.176	0	==>	3
	153	1	0.100	0	==>	1
	154	1	0.077	0	==>	1
	188	3	0.080	1	==>	4
	306	1	0.286	1	==>	0
	307	1	0.125	0	==>	1
	312	1	0.222	0	==>	1
	484	1	0.100	0	==>	1
	572	2	0.058	1	==>	3
	588	2	0.167	0	==>	2
node_208 --> Chamaeleo laevig	93	1	0.111	0	==>	1
	101	2	0.105	0	==>	2
	104	1	0.077	0	==>	1
	146	1	0.167	0	==>	1
	149	1	0.087	1	-->	2
	317	1	0.250	0	==>	1
	341	1	0.033	0	==>	1
	384	1	0.097	1	==>	0

	411	1	0.333	1	==>	0
	419	1	0.073	1	==>	0
	459	2	0.182	1	==>	3
	483	1	0.120	2	==>	3
	525	1	0.167	0	==>	1
	529	1	0.286	1	==>	2
	542	1	0.273	1	-->	2
	559	1	0.500	0	==>	1
	566	1	0.444	1	-->	2
node_212 --> node_211	94	1	0.063	2	-->	1
	107	1	1.000	0	==>	1
	154	1	0.077	0	==>	2
	193	1	0.100	0	-->	1
	231	1	0.077	1	-->	2
	304	1	1.000	0	==>	1
	340	1	0.095	0	-->	1
	344	1	0.048	0	==>	1
	390	1	0.100	1	==>	0
	413	1	0.033	0	==>	1
node_211 --> Physignathus coc	29	1	0.083	1	==>	0
	77	1	0.083	0	==>	1
	137	1	0.077	1	-->	0
	155	1	0.133	2	==>	1
	341	1	0.033	0	==>	1
	349	1	0.136	0	==>	1
	388	1	0.105	0	==>	1
	420	1	0.085	3	==>	2
	454	1	0.400	1	-->	0
	455	1	0.148	0	==>	1
	482	1	0.333	1	-->	0
	491	1	0.143	1	-->	0
	500	1	0.133	0	==>	2
	572	1	0.058	1	==>	0
node_211 --> node_210	7	1	0.069	3	==>	4
	18	1	0.053	0	-->	1
	120	1	0.130	2	==>	3
	153	1	0.100	0	==>	1
	240	1	0.125	1	-->	0
	246	1	0.167	0	==>	1
	293	1	0.143	0	==>	1
	306	1	0.286	1	-->	2
	399	1	0.063	0	-->	1
	434	1	0.111	2	==>	0
	440	1	0.200	2	-->	1
	461	1	0.300	0	==>	1
	562	1	0.111	1	==>	0
node_210 --> node_209	185	1	0.067	0	==>	1
	189	1	0.190	0	==>	1
	193	1	0.100	1	-->	0
	231	2	0.077	2	==>	0
	340	1	0.095	1	-->	0

	401	1	0.077	1	==>	0
	504	1	0.125	1	==>	0
node_209 --> Agama agama	137	1	0.077	1	-->	0
	155	1	0.133	2	==>	1
	306	1	0.286	2	-->	1
	361	1	0.160	4	==>	3
	385	1	0.067	2	==>	0
	399	1	0.063	1	-->	0
	413	1	0.033	1	==>	0
	419	1	0.073	1	==>	0
	445	1	0.300	1	==>	0
	497	1	0.048	1	==>	0
	509	1	0.158	1	==>	0
	518	1	0.100	0	==>	1
node_209 --> Pogona vitticeps	18	1	0.053	1	-->	0
	94	1	0.063	1	-->	0
	291	1	0.053	1	==>	0
	447	1	0.083	1	==>	0
	448	1	0.125	1	==>	0
	454	1	0.400	1	-->	0
	455	1	0.148	0	==>	1
	483	1	0.120	1	==>	0
	491	1	0.143	1	-->	0
	515	1	0.250	0	==>	1
	551	1	0.167	1	==>	0
node_210 --> Calotes emma	114	1	0.148	1	==>	2
	149	1	0.087	1	-->	2
	212	1	0.182	0	==>	2
	258	1	0.081	1	==>	0
	338	1	0.143	0	==>	1
	483	1	0.120	1	==>	2
	486	1	0.400	2	==>	3
	514	1	0.083	0	==>	1
node_249 --> node_217	64	1	0.167	0	-->	1
	114	1	0.148	2	-->	1
	160	1	0.143	0	-->	1
	258	1	0.081	1	-->	2
	375	1	0.065	1	-->	2
	378	1	0.091	0	==>	1
	463	1	0.108	2	-->	1
	500	1	0.133	0	-->	1
	501	1	0.100	0	-->	1
	512	1	0.091	0	==>	1
	555	1	0.333	0	-->	1
node_217 --> node_216	165	1	0.200	0	==>	1
	372	1	0.058	0	-->	1
	421	1	0.075	3	-->	2
	489	1	0.111	0	-->	1
	496	1	0.083	0	-->	1
	511	1	0.143	0	-->	1
node_216 --> Temujinia elliso	48	1	0.103	2	==>	1

	94	1	0.063	0	==>	1
	301	1	0.333	0	==>	1
node_216 --> Saichangurvel da	468	1	0.120	2	==>	1
node_217 --> Magnuviator ovi	246	1	0.167	0	==>	1
	375	1	0.065	2	==>	3
	379	1	0.063	0	==>	1
	468	1	0.120	2	==>	3
node_249 --> node_248	63	1	0.286	1	-->	2
	71	1	0.429	0	==>	2
	94	1	0.063	0	-->	2
	372	3	0.058	0	==>	3
	462	1	0.071	0	-->	1
	475	1	0.300	0	-->	1
	487	1	0.222	0	-->	1
	507	1	0.167	1	-->	0
	509	1	0.158	1	-->	2
node_248 --> node_219	48	1	0.103	2	-->	1
	59	1	0.200	0	==>	1
	62	1	0.111	0	==>	1
	245	1	0.167	0	-->	1
	399	1	0.063	0	==>	1
	420	1	0.085	3	-->	2
	572	1	0.058	1	==>	0
node_219 --> node_218	73	1	1.000	0	==>	1
	166	1	0.091	0	-->	1
	421	1	0.075	3	==>	2
node_218 --> Isodontosaurus g	48	1	0.103	1	-->	2
	94	1	0.063	2	-->	0
	129	1	0.051	0	==>	1
	154	1	0.077	0	==>	2
	366	1	0.500	0	==>	2
	372	2	0.058	3	==>	1
	375	1	0.065	1	==>	2
	385	1	0.067	0	==>	2
node_218 --> Polrussia mongol	48	1	0.103	1	==>	0
	267	1	0.038	1	==>	0
	370	1	0.333	0	==>	1
	375	1	0.065	1	==>	0
	384	1	0.097	1	==>	2
	406	1	0.143	0	==>	1
	434	1	0.111	2	==>	0
node_219 --> Zapsosaurus scel	94	1	0.063	2	==>	1
	360	1	0.125	1	==>	0
node_248 --> node_247	267	1	0.038	1	-->	0
	344	1	0.048	0	-->	1
	388	1	0.105	1	==>	2
	572	1	0.058	1	==>	2
node_247 --> node_224	7	2	0.069	0	==>	2
	11	1	0.105	0	-->	2
	30	1	0.167	0	==>	1
	258	1	0.081	1	==>	2

node_224 --> node_221	62	1	0.111	0	==>	2
	105	1	0.667	1	-->	2
	293	1	0.143	0	-->	1
	307	1	0.125	0	-->	1
	442	1	0.143	1	==>	0
	463	1	0.108	2	-->	3
	468	1	0.120	2	==>	3
	470	1	0.125	2	==>	3
	486	1	0.400	2	==>	3
	503	1	0.286	1	-->	0
	518	1	0.100	0	-->	1
node_221 --> node_220	93	2	0.111	0	==>	2
	146	1	0.167	0	==>	1
	231	1	0.077	0	==>	1
	390	1	0.100	2	==>	1
	487	1	0.222	1	-->	0
	500	1	0.133	0	==>	2
	501	1	0.100	0	==>	1
	551	1	0.167	0	-->	1
	562	1	0.111	1	-->	0
node_220 --> Basiliscus basil	11	1	0.105	2	-->	0
	30	1	0.167	1	==>	0
	48	1	0.103	2	==>	3
	185	1	0.067	1	==>	0
	258	2	0.081	2	==>	0
	293	1	0.143	1	-->	0
	306	1	0.286	1	==>	2
	307	1	0.125	1	-->	0
	390	1	0.100	1	==>	0
	447	1	0.083	1	==>	0
	463	1	0.108	3	-->	2
	488	1	0.133	0	==>	1
	491	1	0.143	0	==>	1
	503	1	0.286	0	-->	1
	509	1	0.158	2	-->	1
	572	1	0.058	2	==>	1
node_220 --> Corytophanes cri	102	1	0.333	1	==>	0
	153	1	0.100	0	==>	1
	154	1	0.077	0	==>	2
	267	1	0.038	0	==>	1
	291	1	0.053	1	==>	0
	481	1	0.083	1	==>	0
	489	1	0.111	0	==>	1
	497	1	0.048	1	==>	0
	518	1	0.100	1	-->	0
node_221 --> Polychrus marmor	6	1	0.100	0	==>	1
	49	1	0.089	0	==>	1
	104	1	0.077	0	==>	1
	112	1	0.167	1	==>	0
	138	1	0.500	0	==>	2
	148	1	0.091	0	==>	1

	154	1	0.077	0	==>	1
	188	1	0.080	0	==>	1
	250	2	0.273	1	==>	3
	344	1	0.048	1	-->	0
	375	1	0.065	1	==>	0
	378	1	0.091	0	==>	1
	383	1	0.080	0	==>	1
	384	1	0.097	1	==>	2
	445	1	0.300	1	==>	0
	455	2	0.148	0	==>	2
	483	1	0.120	1	==>	2
	487	1	0.222	1	==>	2
	494	1	0.133	1	==>	0
	498	1	0.083	1	==>	0
	509	1	0.158	2	==>	0
	517	1	0.200	0	==>	1
	526	1	0.143	0	==>	1
	588	1	0.167	0	==>	1
node_224 --> node_223	80	1	0.333	0	==>	1
	114	1	0.148	2	==>	1
	178	1	0.286	0	-->	1
	246	1	0.167	0	==>	1
	254	1	0.182	0	-->	1
	258	1	0.081	2	-->	3
	294	1	0.091	0	-->	1
	372	1	0.058	3	==>	2
	483	1	0.120	1	-->	0
	553	1	0.200	1	-->	0
	583	1	1.000	0	-->	1
node_223 --> Aciprion formosu	11	1	0.105	2	-->	0
	48	1	0.103	2	==>	3
	62	1	0.111	0	==>	1
	170	1	0.231	0	==>	1
	364	1	0.105	0	==>	1
	368	1	0.182	0	==>	1
	385	1	0.067	0	==>	2
	572	1	0.058	2	==>	1
node_223 --> node_222	116	1	0.300	2	==>	1
	188	2	0.080	0	==>	2
	372	1	0.058	2	==>	1
	394	2	0.087	0	==>	2
node_222 --> Enyalioides lati	13	1	0.067	0	==>	1
	419	1	0.073	3	==>	4
	497	1	0.048	1	==>	0
	575	1	0.167	0	==>	1
	577	1	0.167	0	==>	1
	578	1	0.167	0	==>	1
node_222 --> Morunasaurus ann	22	1	0.111	0	==>	1
	37	1	0.059	0	==>	1
	82	1	0.118	0	==>	1
	231	1	0.077	0	==>	1

	273	1	0.063	0	==>	1
	307	1	0.125	0	==>	1
	375	1	0.065	1	==>	2
	383	1	0.080	0	==>	1
	413	1	0.033	1	==>	0
	487	1	0.222	1	-->	0
	492	1	0.111	0	==>	1
	496	1	0.083	0	==>	1
	509	1	0.158	2	-->	1
	512	1	0.091	0	==>	1
	519	1	0.077	1	==>	0
	526	1	0.143	0	==>	1
node_247 --> node_246	10	2	0.087	0	-->	2
	146	1	0.167	0	==>	1
	168	1	0.065	0	==>	1
	364	2	0.105	0	==>	2
	369	1	0.100	0	==>	1
	375	1	0.065	1	==>	0
	378	1	0.091	0	-->	1
	588	1	0.167	0	-->	1
node_246 --> Anolis carolinien	18	1	0.053	0	==>	1
	37	1	0.059	0	==>	1
	49	1	0.089	0	==>	1
	93	1	0.111	0	==>	1
	114	1	0.148	2	==>	3
	148	1	0.091	0	==>	1
	155	1	0.133	2	==>	1
	168	1	0.065	1	==>	2
	185	1	0.067	1	==>	0
	204	1	0.125	0	==>	1
	254	1	0.182	0	==>	2
	258	1	0.081	1	==>	0
	267	1	0.038	0	-->	1
	294	1	0.091	0	==>	1
	349	1	0.136	0	==>	1
	380	1	0.091	0	==>	1
	384	1	0.097	1	==>	2
	385	1	0.067	0	==>	1
	394	2	0.087	0	==>	2
	463	1	0.108	2	==>	3
	489	1	0.111	0	==>	1
	504	1	0.125	1	==>	0
	562	1	0.111	1	==>	0
node_246 --> node_245	94	1	0.063	2	-->	0
	188	1	0.080	0	==>	1
	231	1	0.077	0	==>	1
	344	1	0.048	1	-->	0
	447	1	0.083	1	-->	0
	452	1	0.235	0	==>	4
	483	1	0.120	1	==>	0
	496	1	0.083	0	==>	1

	497	1	0.048	1	==>	0
node_245 --> node_226	48	1	0.103	2	==>	3
	154	1	0.077	0	-->	1
	188	1	0.080	1	-->	2
	378	1	0.091	1	-->	0
	421	1	0.075	3	==>	2
	509	1	0.158	2	-->	1
	588	1	0.167	1	==>	2
node_226 --> node_225	18	1	0.053	0	==>	1
	90	1	0.105	0	==>	1
	340	1	0.095	0	==>	1
	341	1	0.033	0	==>	1
	448	1	0.125	1	==>	0
node_225 --> Leiosaurus catam	7	2	0.069	0	==>	2
	114	1	0.148	2	==>	1
	154	1	0.077	1	-->	0
	185	1	0.067	1	==>	0
	188	1	0.080	2	-->	1
	231	1	0.077	1	==>	2
	268	1	0.250	0	==>	1
	291	1	0.053	1	==>	0
	344	1	0.048	0	==>	1
	361	1	0.160	4	==>	3
	378	1	0.091	0	-->	1
	419	1	0.073	3	==>	2
node_225 --> Urostrophus vaut	48	1	0.103	3	==>	4
	168	1	0.065	1	==>	2
	317	1	0.250	0	==>	1
	328	2	0.054	0	==>	2
	385	1	0.067	0	==>	1
	413	1	0.033	1	==>	0
	470	1	0.125	2	==>	1
node_226 --> Pristidactylus t	39	1	0.080	0	==>	1
	94	1	0.063	0	==>	1
	388	1	0.105	2	==>	1
node_245 --> node_244	10	2	0.087	2	-->	0
	364	1	0.105	2	-->	1
	392	1	0.105	0	==>	1
	413	1	0.033	1	-->	0
	419	1	0.073	3	-->	2
	487	1	0.222	1	-->	0
	492	1	0.111	0	==>	1
	588	1	0.167	1	-->	0
node_244 --> node_227	22	1	0.111	0	==>	1
	48	2	0.103	2	==>	0
	62	1	0.111	0	==>	1
	169	1	0.333	0	==>	1
	372	1	0.058	3	==>	2
	375	1	0.065	0	==>	1
	422	1	0.182	0	==>	2
node_227 --> Crotaphytus coll	25	1	0.118	0	==>	1

	114	1	0.148	2	==>	1
	168	1	0.065	1	==>	0
	294	1	0.091	0	==>	1
	368	1	0.182	0	==>	1
	379	1	0.063	0	==>	1
	421	1	0.075	3	==>	2
	468	1	0.120	2	==>	3
	470	1	0.125	2	==>	3
	481	1	0.083	1	==>	0
node_227 --> Gambelia wislize	39	1	0.080	0	==>	1
	168	1	0.065	1	==>	2
	185	1	0.067	1	==>	2
	188	1	0.080	1	==>	0
	255	1	0.077	1	==>	0
	340	1	0.095	0	==>	1
	383	1	0.080	0	==>	1
	385	1	0.067	0	==>	1
	413	1	0.033	0	-->	1
	419	1	0.073	2	-->	3
	500	1	0.133	0	==>	2
	501	1	0.100	0	==>	1
	518	1	0.100	0	==>	1
	572	2	0.058	2	==>	0
node_244 --> node_243	80	1	0.333	0	==>	1
	146	1	0.167	1	==>	0
	246	1	0.167	0	==>	1
	394	2	0.087	0	-->	2
node_243 --> node_230	7	1	0.069	0	-->	1
	116	1	0.300	2	==>	1
	168	1	0.065	1	==>	0
	176	1	1.000	0	==>	1
	232	1	0.143	0	==>	1
	267	1	0.038	0	-->	1
	268	1	0.250	0	-->	1
	369	1	0.100	1	==>	0
	388	1	0.105	2	==>	1
	399	1	0.063	0	-->	1
	401	1	0.077	0	-->	1
	463	1	0.108	2	==>	3
	468	1	0.120	2	==>	3
	470	1	0.125	2	==>	0
	471	1	0.250	0	==>	2
	554	1	0.167	0	-->	2
	609	1	0.167	1	==>	0
node_230 --> node_229	25	1	0.118	0	==>	1
	136	1	0.500	0	==>	1
	340	1	0.095	0	-->	1
	392	1	0.105	1	==>	0
	447	1	0.083	0	==>	1
	496	1	0.083	1	==>	0
	519	1	0.077	1	==>	0

node_229 --> Brachylophus fas	7	1	0.069	1	-->	0
	49	1	0.089	0	==>	1
	94	1	0.063	0	==>	2
	114	1	0.148	2	==>	3
	145	1	0.400	0	==>	2
	188	1	0.080	1	==>	0
	267	1	0.038	1	-->	0
	421	1	0.075	3	==>	2
	470	1	0.125	0	==>	3
	487	1	0.222	0	==>	1
	497	1	0.048	0	==>	1
	561	1	0.154	0	==>	1
node_229 --> node_228	105	1	0.667	1	==>	2
	185	1	0.067	1	-->	2
	399	1	0.063	1	-->	0
	452	1	0.235	4	-->	0
	514	1	0.083	0	-->	1
	526	1	0.143	0	-->	1
	572	1	0.058	2	==>	1
node_228 --> Armandisaurus ex	231	1	0.077	1	==>	0
	413	1	0.033	0	==>	1
	419	1	0.073	2	==>	3
node_228 --> Dipsosaurus dors	11	1	0.105	0	==>	1
	240	1	0.125	0	==>	2
	273	1	0.063	0	==>	1
	383	1	0.080	0	==>	1
	385	1	0.067	0	==>	1
node_230 --> Sauromalus ater	48	1	0.103	2	==>	3
	82	1	0.118	0	==>	1
	112	1	0.167	1	==>	0
	231	1	0.077	1	==>	0
	306	1	0.286	1	==>	2
	341	1	0.033	0	==>	1
	344	1	0.048	0	==>	1
	361	1	0.160	4	==>	3
	364	1	0.105	1	==>	0
	379	1	0.063	0	==>	1
	385	1	0.067	0	==>	2
	448	1	0.125	1	==>	0
	452	1	0.235	4	==>	1
	481	1	0.083	1	==>	0
	494	1	0.133	1	==>	0
	498	1	0.083	1	==>	0
	553	1	0.200	1	==>	0
node_243 --> node_242	258	1	0.081	1	==>	2
	364	1	0.105	1	-->	2
	383	1	0.080	0	-->	1
	385	1	0.067	0	-->	1
	468	1	0.120	2	==>	1
	497	1	0.048	0	==>	1
	572	1	0.058	2	==>	1

node_242 --> node_231	25	1	0.118	0	==>	1
	48	1	0.103	2	==>	1
	59	1	0.200	0	==>	1
	80	1	0.333	1	==>	2
	258	1	0.081	2	==>	3
	367	1	0.125	0	==>	1
	383	1	0.080	1	-->	2
	448	1	0.125	1	==>	0
	492	1	0.111	1	==>	0
	512	1	0.091	0	-->	1
	610	1	0.050	0	==>	1
node_231 --> Liolaemus bellii	39	3	0.080	0	==>	3
	111	1	0.222	1	==>	0
	128	1	0.167	0	==>	1
	154	1	0.077	0	==>	1
	169	1	0.333	0	==>	1
	188	1	0.080	1	==>	2
	254	1	0.182	0	==>	1
	297	1	0.100	1	==>	0
	328	2	0.054	0	==>	2
	340	1	0.095	0	==>	1
	361	1	0.160	4	==>	3
	392	1	0.105	1	==>	0
	421	1	0.075	3	==>	2
	518	1	0.100	0	==>	1
	519	1	0.077	1	==>	0
	541	1	0.100	0	==>	1
	562	1	0.111	1	==>	0
	572	1	0.058	1	==>	0
node_231 --> Phymaturus pallu	7	2	0.069	0	==>	2
	82	2	0.118	0	==>	2
	170	1	0.231	0	==>	1
	306	1	0.286	1	==>	0
	307	1	0.125	0	==>	1
	348	1	0.111	0	==>	1
	349	1	0.136	0	==>	1
	364	1	0.105	2	-->	1
	372	1	0.058	3	==>	2
	378	1	0.091	1	==>	0
	385	1	0.067	1	-->	0
	413	1	0.033	0	-->	1
	419	1	0.073	2	==>	1
	462	1	0.071	1	==>	0
	496	1	0.083	1	==>	0
	504	1	0.125	1	==>	0
	554	1	0.167	0	==>	1
node_242 --> node_241	344	1	0.048	0	==>	1
	384	1	0.097	1	==>	2
	394	2	0.087	2	-->	0
	483	1	0.120	0	==>	1
node_241 --> node_238	401	1	0.077	0	-->	1

	413	1	0.033	0	-->	1
	419	1	0.073	2	-->	3
	496	1	0.083	1	==>	0
	562	1	0.111	1	==>	0
node_238 --> node_232	31	1	0.333	0	==>	1
	62	1	0.111	0	==>	1
	80	1	0.333	1	==>	2
	111	1	0.222	1	==>	0
	185	1	0.067	1	==>	0
	188	1	0.080	1	==>	0
	258	1	0.081	2	==>	1
	340	1	0.095	0	==>	1
	378	1	0.091	1	==>	0
	518	1	0.100	0	-->	1
	519	1	0.077	1	==>	0
	608	1	0.333	0	==>	1
node_232 --> Chalarodon madag	7	1	0.069	0	==>	1
	59	1	0.200	0	==>	1
	168	1	0.065	1	==>	0
	384	1	0.097	2	==>	1
	442	1	0.143	1	==>	0
	447	1	0.083	0	==>	1
	452	1	0.235	4	==>	0
	481	1	0.083	1	==>	0
	486	2	0.400	2	==>	4
	497	1	0.048	1	==>	0
node_232 --> Oplurus cyclurus	48	2	0.103	2	==>	4
	146	1	0.167	0	==>	1
	168	1	0.065	1	==>	2
	255	1	0.077	1	==>	0
	372	2	0.058	3	==>	1
	375	1	0.065	0	==>	1
	385	1	0.067	1	==>	0
	419	1	0.073	3	-->	2
	421	1	0.075	3	==>	2
	483	1	0.120	1	==>	0
	529	1	0.286	1	==>	0
	572	1	0.058	1	==>	2
node_238 --> node_237	25	1	0.118	0	-->	1
	154	1	0.077	0	==>	1
	267	1	0.038	0	==>	1
	509	1	0.158	2	==>	0
	609	1	0.167	1	==>	0
node_237 --> node_236	30	1	0.167	0	==>	1
	48	1	0.103	2	==>	1
	168	1	0.065	1	==>	0
	170	1	0.231	0	==>	1
	188	1	0.080	1	-->	2
	231	1	0.077	1	-->	0
	372	1	0.058	3	-->	2
	454	1	0.400	0	==>	1

node_236 --> node_234	25	1	0.118	1 -->	0
	344	1	0.048	1 ==>	0
	392	1	0.105	1 ==>	0
node_234 --> node_233	48	1	0.103	1 ==>	0
	59	1	0.200	0 ==>	1
	185	1	0.067	1 ==>	2
	307	1	0.125	0 ==>	1
	462	1	0.071	1 ==>	0
	492	1	0.111	1 ==>	0
node_233 --> Petrosaurus mear	7	1	0.069	0 ==>	1
	18	1	0.053	0 ==>	1
	22	1	0.111	0 ==>	1
	82	1	0.118	0 ==>	1
	154	1	0.077	1 ==>	0
	349	1	0.136	0 ==>	1
	372	1	0.058	2 -->	3
	443	1	0.167	0 ==>	1
	483	1	0.120	1 ==>	0
	497	1	0.048	1 ==>	0
	509	1	0.158	0 ==>	2
node_233 --> Uta stansburiana	80	1	0.333	1 ==>	2
	364	1	0.105	2 ==>	1
	401	1	0.077	1 -->	0
	413	1	0.033	1 ==>	0
	419	1	0.073	3 ==>	2
	448	1	0.125	1 ==>	0
	572	1	0.058	1 ==>	0
node_234 --> Sceloporus varia	94	1	0.063	0 ==>	1
	231	1	0.077	0 -->	1
	258	1	0.081	2 ==>	3
	486	1	0.400	2 ==>	3
	606	1	1.000	0 ==>	2
node_236 --> node_235	7	1	0.069	0 ==>	1
	62	1	0.111	0 ==>	1
	137	1	0.077	0 ==>	1
	167	1	0.125	0 ==>	1
	364	1	0.105	2 ==>	1
	383	1	0.080	1 -->	0
	384	1	0.097	2 -->	1
	392	1	0.105	1 ==>	2
	401	1	0.077	1 -->	0
	584	1	0.188	1 ==>	2
node_235 --> Phrynosoma platy	94	1	0.063	0 ==>	2
	99	1	0.250	0 ==>	1
	102	1	0.333	1 ==>	0
	114	1	0.148	2 ==>	1
	124	1	0.077	0 ==>	1
	144	1	0.091	1 ==>	0
	153	1	0.100	0 ==>	1
	154	1	0.077	1 ==>	2
	185	1	0.067	1 ==>	0

	188	2	0.080	2	==>	4
	254	1	0.182	0	==>	2
	291	1	0.053	1	==>	0
	293	1	0.143	0	==>	1
	297	1	0.100	1	==>	0
	340	1	0.095	0	==>	1
	341	1	0.033	0	==>	1
	364	1	0.105	1	==>	0
	369	1	0.100	1	==>	0
	372	1	0.058	2	==>	1
	375	1	0.065	0	==>	1
	383	1	0.080	0	-->	2
	388	2	0.105	2	==>	0
	418	1	0.083	0	==>	1
	420	1	0.085	3	==>	2
	421	1	0.075	3	==>	2
	442	1	0.143	1	==>	0
	448	1	0.125	1	==>	0
	452	1	0.235	4	==>	0
	459	1	0.182	0	==>	1
	463	1	0.108	2	==>	3
	470	1	0.125	2	==>	3
	483	1	0.120	1	==>	2
	492	1	0.111	1	==>	0
	494	1	0.133	1	==>	0
	497	1	0.048	1	==>	0
	498	1	0.083	1	==>	0
	519	1	0.077	1	==>	0
	542	1	0.273	0	==>	2
	543	1	0.500	0	==>	1
	566	1	0.444	0	==>	4
	572	1	0.058	1	==>	2
node_235 --> Uma scoparia	48	1	0.103	1	==>	0
	59	1	0.200	0	==>	1
	80	1	0.333	1	==>	2
	148	1	0.091	0	==>	1
	188	1	0.080	2	-->	1
	372	1	0.058	2	-->	3
	394	1	0.087	0	==>	1
	413	1	0.033	1	==>	0
	419	1	0.073	3	==>	2
	447	1	0.083	0	==>	1
	462	1	0.071	1	==>	0
	546	1	0.100	1	==>	0
	554	1	0.167	0	==>	2
	572	1	0.058	1	==>	0
node_237 --> Leiocephalus bar	25	1	0.118	1	==>	2
	39	1	0.080	0	==>	1
	254	1	0.182	0	==>	1
	294	1	0.091	0	==>	1
	369	1	0.100	1	==>	2

	394	2	0.087	0	==>	2
	447	1	0.083	0	==>	1
	486	1	0.400	2	==>	3
	507	1	0.167	0	==>	1
	526	1	0.143	0	==>	1
node_241 --> node_240	30	1	0.167	0	-->	1
	48	1	0.103	2	==>	3
	170	1	0.231	0	-->	1
	246	1	0.167	1	==>	0
	452	1	0.235	4	-->	1
	462	1	0.071	1	==>	0
node_240 --> node_239	7	1	0.069	0	==>	1
	254	1	0.182	0	==>	1
	369	1	0.100	1	==>	2
	388	1	0.105	2	==>	1
	609	1	0.167	1	-->	0
node_239 --> Plica plica	3	1	0.182	0	==>	1
	11	1	0.105	0	==>	2
	170	1	0.231	1	-->	0
	232	1	0.143	0	==>	1
	380	1	0.091	0	==>	1
	388	1	0.105	1	==>	0
	413	1	0.033	0	-->	1
	447	1	0.083	0	==>	1
	483	1	0.120	1	==>	0
	513	1	0.083	1	==>	0
	551	1	0.167	0	==>	1
node_239 --> Stenocercus guen	18	1	0.053	0	==>	1
	30	1	0.167	1	-->	0
	112	1	0.167	1	==>	0
	154	1	0.077	0	==>	1
	185	1	0.067	1	==>	0
	258	2	0.081	2	==>	0
	421	1	0.075	3	==>	2
	452	1	0.235	1	-->	4
	507	1	0.167	0	==>	1
	509	1	0.158	2	==>	1
	562	1	0.111	1	==>	0
node_240 --> Uranoscodon supe	144	1	0.091	1	==>	0
	168	1	0.065	1	==>	0
	328	2	0.054	0	==>	2
	340	1	0.095	0	==>	1
	470	1	0.125	2	==>	3
	519	1	0.077	1	==>	0
	572	1	0.058	1	==>	0
node_388 --> node_387	29	1	0.083	1	-->	0
	36	1	0.063	1	-->	0
	39	2	0.080	0	==>	2
	48	1	0.103	2	-->	3
	63	1	0.286	1	-->	0
	83	1	1.000	0	==>	1

	114	1	0.148	2	==>	3
	201	1	0.250	0	-->	1
	205	1	0.333	0	==>	1
	250	1	0.273	1	==>	2
	305	1	0.333	0	==>	1
	315	1	0.071	0	-->	1
	317	1	0.250	0	-->	1
	375	1	0.065	1	-->	2
	439	1	0.118	0	-->	1
	455	2	0.148	0	==>	2
	463	1	0.108	2	-->	1
	475	1	0.300	0	-->	1
	508	1	0.143	0	-->	1
	555	1	0.333	0	==>	1
	557	1	0.125	1	-->	0
	585	1	0.250	0	-->	1
	593	1	0.231	0	-->	1
	600	1	1.000	0	-->	1
	604	1	1.000	0	-->	1
node_387 -->	13	1	0.067	0	-->	1
node_253	37	1	0.059	0	-->	1
	49	1	0.089	0	==>	1
	56	1	0.190	1	==>	2
	64	1	0.167	0	==>	1
	87	1	0.200	0	-->	1
	96	1	0.222	0	-->	4
	116	1	0.300	1	-->	3
	145	1	0.400	0	-->	1
	150	1	0.200	0	==>	1
	157	1	0.125	0	==>	1
	167	1	0.125	0	-->	1
	213	1	0.048	0	-->	1
	271	1	0.167	0	-->	1
	273	1	0.063	0	-->	1
	285	1	0.333	1	-->	0
	375	1	0.065	2	==>	3
	379	1	0.063	0	==>	1
	437	1	1.000	0	==>	1
	500	1	0.133	0	-->	2
	509	1	0.158	1	-->	0
	511	1	0.143	0	-->	1
	512	1	0.091	0	-->	1
	546	1	0.100	1	-->	0
node_253 -->	39	1	0.080	2	-->	1
Tchingisaurus mu	230	1	0.333	1	==>	0
	245	1	0.167	0	==>	1
	384	1	0.097	1	==>	2
	572	1	0.058	1	==>	2
node_253 -->	39	2	0.080	2	-->	4
node_252	49	1	0.089	1	-->	2
	111	1	0.222	1	==>	2

	122	1	0.500	0	==>	1
	149	2	0.087	2	==>	0
	175	1	0.333	0	==>	1
	259	1	0.250	1	-->	0
	399	1	0.063	0	==>	1
	403	1	0.200	0	==>	1
	413	1	0.033	1	-->	0
	418	1	0.083	0	==>	1
	420	1	0.085	3	-->	2
node_252 --> Gobinatus arenos	94	1	0.063	0	==>	1
node_252 --> node_251	7	1	0.069	0	-->	1
	90	1	0.105	0	-->	1
	155	1	0.133	2	==>	1
	182	1	0.273	2	-->	1
	257	1	0.500	1	==>	0
	262	1	1.000	0	==>	1
	267	1	0.038	0	-->	1
	281	1	0.167	0	==>	1
	360	1	0.125	1	==>	0
node_251 --> Adamisaurus magn	3	1	0.182	0	==>	1
	49	1	0.089	2	-->	1
	71	1	0.429	0	==>	1
	85	1	0.500	0	==>	1
	116	1	0.300	3	-->	1
	120	1	0.130	0	==>	1
	357	1	0.083	0	==>	1
	369	2	0.100	0	==>	2
	375	1	0.065	3	==>	2
	416	1	0.286	0	==>	4
	419	1	0.073	3	==>	2
	421	2	0.075	3	==>	1
	434	1	0.111	2	==>	0
	572	1	0.058	1	==>	0
node_251 --> node_250	13	1	0.067	1	-->	0
	110	1	1.000	0	==>	1
	166	1	0.091	0	==>	1
	240	1	0.125	0	==>	1
	376	1	0.200	0	==>	1
	420	1	0.085	2	-->	3
node_250 --> Gilmoreteius	37	1	0.059	1	==>	0
	49	1	0.089	2	==>	3
	90	1	0.105	1	-->	0
	501	1	0.100	0	==>	1
node_250 --> Polyglyphanodon	231	2	0.077	0	==>	2
	259	1	0.250	0	-->	1
	508	1	0.143	1	-->	0
	561	1	0.154	0	==>	1
node_387 --> node_386	22	1	0.111	0	-->	1
	24	1	0.071	1	-->	0
	83	1	1.000	1	==>	2
	111	1	0.222	1	-->	0

	154	1	0.077	0	-->	1
	165	1	0.200	0	-->	1
	208	1	0.091	0	-->	1
	283	1	0.133	0	-->	1
	285	1	0.333	1	==>	2
	360	1	0.125	1	==>	2
	388	1	0.105	1	-->	0
	394	1	0.087	0	==>	1
	401	1	0.077	0	-->	1
	434	1	0.111	2	-->	0
	455	2	0.148	2	==>	4
	470	1	0.125	0	-->	3
	521	1	0.067	0	==>	1
	572	1	0.058	1	-->	0
node_386 --> node_379	82	1	0.118	0	==>	1
	90	2	0.105	0	==>	2
	128	1	0.167	0	==>	1
	162	1	0.333	0	==>	1
	178	1	0.286	0	-->	1
	188	2	0.080	0	==>	2
	200	1	1.000	0	==>	1
	220	1	0.375	0	-->	1
	241	1	0.667	1	==>	2
	258	3	0.081	0	==>	3
	272	1	0.500	0	==>	1
	328	1	0.054	0	-->	1
	463	1	0.108	1	-->	2
	468	1	0.120	2	==>	1
	502	1	0.091	0	==>	1
node_379 --> node_365	7	1	0.069	0	==>	1
	117	1	0.333	0	==>	1
	145	1	0.400	0	==>	2
	155	1	0.133	2	==>	1
	157	1	0.125	0	-->	1
	182	1	0.273	2	-->	1
	208	1	0.091	1	==>	2
	213	1	0.048	0	-->	1
	215	1	0.091	0	==>	1
	217	1	0.600	0	==>	1
	245	1	0.167	0	==>	1
	275	1	0.333	0	==>	2
	383	1	0.080	0	-->	1
	388	1	0.105	0	-->	1
	512	1	0.091	0	-->	1
	570	1	0.500	0	-->	1
	572	2	0.058	0	==>	2
	573	1	0.083	0	-->	1
	579	1	0.182	0	-->	1
	585	1	0.250	1	-->	0
	590	1	0.308	1	-->	2
	607	1	0.250	0	==>	1

node_365 --> node_331	56	1	0.190	1	==>	2
	58	1	0.222	1	==>	2
	138	1	0.500	0	==>	1
	160	1	0.143	0	-->	1
	222	1	0.500	0	==>	1
	232	1	0.143	0	==>	1
	234	1	0.600	0	==>	2
	337	1	0.136	0	-->	1
	340	1	0.095	0	==>	1
	368	1	0.182	0	-->	1
	371	1	0.250	0	-->	1
	420	1	0.085	3	-->	2
	421	1	0.075	3	-->	2
	428	1	0.200	0	-->	1
	446	1	0.143	0	==>	1
	461	1	0.300	0	==>	2
	475	1	0.300	1	==>	2
	575	1	0.167	0	==>	1
	577	1	0.167	0	==>	1
	589	1	0.500	0	==>	1
	593	1	0.231	1	-->	0
	603	1	0.500	0	==>	1
node_331 --> node_328	39	2	0.080	2	-->	4
	48	1	0.103	3	-->	4
	66	1	0.286	0	==>	1
	77	1	0.083	0	-->	1
	94	1	0.063	0	-->	1
	157	1	0.125	1	-->	0
	255	1	0.077	1	-->	0
	360	1	0.125	2	==>	1
	388	1	0.105	1	-->	0
	456	1	0.190	0	==>	1
	468	1	0.120	1	==>	0
	483	1	0.120	1	-->	2
	484	1	0.100	0	-->	1
	531	1	0.125	0	-->	1
	578	1	0.167	0	-->	1
node_328 --> node_324	38	1	0.143	0	==>	1
	82	1	0.118	1	-->	2
	104	1	0.077	0	-->	1
	129	1	0.051	0	==>	1
	155	1	0.133	1	-->	2
	216	1	0.222	0	-->	1
	273	1	0.063	0	==>	1
	291	1	0.053	0	-->	1
	294	1	0.091	0	==>	1
	316	1	0.200	1	-->	0
	349	3	0.136	0	==>	3
	358	1	0.250	0	-->	1
	360	1	0.125	1	==>	0
	375	1	0.065	2	==>	1

	379	1	0.063	0	-->	1
	412	1	0.111	0	-->	1
	418	1	0.083	0	==>	1
	422	1	0.182	0	-->	1
	427	1	0.100	0	-->	1
	450	1	0.143	0	-->	1
	486	1	0.400	2	==>	1
	497	1	0.048	0	-->	1
	504	1	0.125	1	==>	0
	509	1	0.158	1	-->	2
	535	1	0.143	1	-->	2
	561	1	0.154	0	-->	1
	573	1	0.083	1	-->	0
	584	1	0.188	1	-->	2
	590	1	0.308	2	-->	3
node_324 --> node_315	56	1	0.190	2	==>	1
	87	1	0.200	0	-->	1
	109	1	0.750	0	-->	2
	154	1	0.077	1	-->	0
	180	1	0.250	0	==>	1
	191	1	0.167	0	==>	1
	192	1	0.250	0	==>	1
	193	1	0.100	0	-->	1
	194	1	0.600	0	-->	1
	249	1	0.231	0	-->	1
	250	1	0.273	2	-->	3
	255	1	0.077	0	-->	1
	256	1	0.333	0	-->	1
	267	1	0.038	0	==>	1
	268	1	0.250	0	-->	1
	281	1	0.167	0	-->	1
	290	1	0.333	0	-->	1
	293	1	0.143	0	-->	1
	307	1	0.125	0	==>	2
	311	1	0.286	0	==>	1
	312	2	0.222	0	==>	2
	324	1	0.300	0	-->	1
	333	1	0.333	0	==>	1
	334	1	0.167	1	==>	0
	344	1	0.048	0	-->	1
	350	1	0.333	0	==>	1
	361	1	0.160	4	-->	3
	371	1	0.250	1	-->	0
	375	1	0.065	1	-->	0
	421	1	0.075	2	-->	1
	442	1	0.143	1	-->	0
	445	1	0.300	1	-->	0
	451	1	0.333	0	-->	1
	456	2	0.190	1	-->	3
	459	3	0.182	0	-->	3
	462	1	0.071	0	-->	1

480	1	0.200	0	-->	1	
483	1	0.120	2	-->	3	
486	1	0.400	1	-->	0	
491	1	0.143	0	-->	1	
499	1	0.143	0	-->	1	
502	1	0.091	1	-->	0	
517	1	0.200	0	-->	1	
518	2	0.100	0	-->	2	
524	1	0.200	0	-->	1	
529	1	0.286	1	-->	0	
530	1	0.200	0	-->	1	
531	1	0.125	1	-->	0	
533	1	0.333	1	-->	0	
534	1	0.500	1	-->	0	
542	1	0.273	0	-->	1	
544	1	1.000	0	-->	2	
546	1	0.100	1	-->	0	
547	1	0.250	0	-->	1	
548	1	0.100	0	-->	1	
549	1	0.250	0	-->	1	
551	1	0.167	0	-->	1	
552	1	0.500	0	-->	1	
553	1	0.200	0	-->	1	
554	1	0.167	0	-->	2	
555	1	0.333	1	-->	0	
557	1	0.125	0	-->	1	
559	1	0.500	0	-->	1	
564	1	0.500	0	-->	1	
575	1	0.167	1	==>	0	
577	1	0.167	1	==>	0	
578	1	0.167	1	-->	0	
579	1	0.182	1	-->	0	
584	1	0.188	2	-->	3	
586	1	0.333	0	-->	1	
node_315 --> Sineoamphisbaena	66	1	0.286	1	==>	0
	76	1	0.333	0	==>	1
	88	1	0.125	1	==>	0
	95	1	0.083	0	==>	1
	96	1	0.222	0	==>	4
	101	1	0.105	0	==>	1
	102	1	0.333	1	==>	0
	122	1	0.500	0	==>	1
	149	2	0.087	2	==>	0
	150	1	0.200	0	==>	1
	155	1	0.133	2	-->	1
	166	1	0.091	0	==>	1
	179	1	0.143	1	==>	0
	240	1	0.125	0	==>	2
	261	1	0.200	0	==>	1
	271	2	0.167	0	==>	2
	283	1	0.133	1	==>	0

	311	1	0.286	1	==>	2
	341	1	0.033	0	==>	1
	350	1	0.333	1	==>	2
	358	1	0.250	1	-->	0
	412	1	0.111	1	-->	0
	419	1	0.073	3	==>	4
	422	1	0.182	1	-->	0
	423	1	0.100	0	==>	1
	427	1	0.100	1	-->	0
	497	1	0.048	1	-->	0
node_315 -->	28	1	0.143	0	==>	1
	37	1	0.059	0	-->	1
	38	1	0.143	1	-->	2
	75	1	1.000	0	==>	1
	90	2	0.105	2	==>	0
	93	1	0.111	0	==>	1
	152	1	0.400	0	-->	1
	159	1	0.333	0	==>	1
	258	1	0.081	3	-->	2
	276	2	0.118	0	-->	2
	283	1	0.133	1	-->	2
	340	1	0.095	1	-->	0
	349	1	0.136	3	-->	2
	367	1	0.125	0	-->	1
	419	2	0.073	3	==>	1
	465	1	0.250	0	-->	1
	488	1	0.133	0	==>	1
	493	1	0.200	1	-->	0
	495	1	0.125	1	-->	0
	505	1	0.167	0	==>	1
	528	1	0.200	0	==>	1
node_314 -->	22	1	0.111	1	==>	0
	96	1	0.222	0	==>	2
	129	1	0.051	1	==>	2
	170	1	0.231	0	==>	1
	220	1	0.375	1	==>	0
	249	1	0.231	1	==>	2
	280	1	0.500	0	==>	1
	337	1	0.136	1	-->	0
	351	1	0.375	0	==>	1
	365	1	0.333	0	==>	1
	366	1	0.500	0	==>	1
	371	1	0.250	0	-->	1
	378	1	0.091	0	==>	1
	379	1	0.063	1	-->	0
	384	1	0.097	1	==>	2
	406	1	0.143	0	==>	1
	410	1	0.091	0	==>	1
	463	1	0.108	2	==>	3
	470	1	0.125	3	-->	0
	471	1	0.250	0	==>	1

node_314 --> node_313

510	1	0.143	0	==>	1
516	1	0.143	0	==>	1
573	1	0.083	0	==>	1
578	1	0.167	0	-->	1
579	1	0.182	0	-->	1
580	1	0.333	0	==>	1
582	1	0.250	0	==>	1
587	1	0.100	1	==>	0
590	1	0.308	3	-->	2
610	1	0.050	0	==>	1
7	1	0.069	1	-->	2
11	1	0.105	0	-->	1
18	1	0.053	0	==>	1
24	1	0.071	0	-->	1
47	1	0.188	0	-->	1
62	1	0.111	0	-->	1
68	1	0.077	0	-->	1
71	1	0.429	0	-->	3
128	1	0.167	1	-->	2
129	1	0.051	1	-->	0
137	1	0.077	0	==>	1
142	1	0.250	0	==>	1
143	1	0.200	0	-->	1
154	1	0.077	0	-->	1
157	1	0.125	0	-->	1
182	1	0.273	1	==>	2
185	1	0.067	1	-->	0
188	2	0.080	2	==>	4
194	1	0.600	1	-->	2
232	1	0.143	1	-->	0
234	1	0.600	2	==>	0
281	1	0.167	1	-->	0
297	1	0.100	1	-->	0
305	1	0.333	1	-->	0
320	1	1.000	0	-->	1
348	1	0.111	0	==>	1
355	1	0.059	0	-->	1
368	1	0.182	1	-->	0
383	1	0.080	1	-->	0
392	1	0.105	0	==>	1
394	1	0.087	1	==>	0
414	1	1.000	0	-->	1
456	1	0.190	3	==>	4
457	1	0.174	0	==>	1
463	1	0.108	2	==>	1
572	2	0.058	2	==>	0
590	1	0.308	3	-->	4
591	1	0.250	0	-->	1
592	1	0.667	0	-->	2
595	1	0.333	0	-->	1
596	1	0.333	0	-->	1

	603	1	0.500	1	-->	0
node_313 --> node_263	114	1	0.148	3	==>	4
	124	1	0.077	0	-->	1
	222	1	0.500	1	==>	0
	240	1	0.125	0	==>	2
	245	1	0.167	1	==>	0
	258	1	0.081	2	==>	1
	261	1	0.200	0	==>	1
	271	1	0.167	0	==>	1
	278	1	0.500	0	-->	1
	311	1	0.286	1	==>	2
	320	1	1.000	1	-->	2
	337	2	0.136	1	==>	3
	340	1	0.095	0	-->	1
	341	1	0.033	0	==>	1
	350	1	0.333	1	==>	2
	351	1	0.375	0	-->	3
	358	1	0.250	1	-->	0
	360	2	0.125	0	==>	2
	369	1	0.100	0	==>	1
	372	3	0.058	0	-->	3
	374	1	0.250	0	-->	1
	380	1	0.091	0	-->	1
	399	1	0.063	0	==>	1
	412	1	0.111	1	-->	0
	419	1	0.073	1	-->	2
	420	1	0.085	2	-->	1
	470	1	0.125	3	-->	1
	561	1	0.154	1	-->	0
	589	1	0.500	1	==>	0
node_263 --> node_254	8	1	0.182	0	==>	2
	18	1	0.053	1	==>	2
	23	1	0.158	0	==>	2
	38	2	0.143	2	==>	0
	54	1	0.333	0	==>	1
	93	1	0.111	1	==>	0
	95	1	0.083	0	==>	1
	101	1	0.105	0	==>	1
	128	1	0.167	2	-->	1
	185	2	0.067	0	==>	2
	190	1	0.250	0	==>	1
	216	1	0.222	1	==>	2
	249	1	0.231	1	-->	3
	251	2	0.333	0	-->	2
	319	1	1.000	0	==>	1
	328	1	0.054	1	==>	2
	345	1	0.250	0	==>	1
	352	1	0.500	1	==>	0
	361	1	0.160	3	==>	4
	369	1	0.100	1	==>	2
	384	1	0.097	1	==>	2

	385	1	0.067	0	==>	1
	391	1	0.500	0	==>	1
	459	1	0.182	3	==>	2
	463	1	0.108	1	==>	0
	480	1	0.200	1	-->	0
	487	4	0.222	0	-->	4
	524	1	0.200	1	-->	0
	548	1	0.100	1	-->	0
	586	1	0.333	1	-->	0
	590	4	0.308	4	==>	0
	593	3	0.231	0	==>	3
	607	1	0.250	1	-->	0
node_254 --> Anelytropsis pap	7	1	0.069	2	-->	1
	47	1	0.188	1	-->	0
	62	1	0.111	1	-->	0
	188	1	0.080	4	==>	3
	290	1	0.333	1	==>	0
	421	1	0.075	1	==>	2
	439	1	0.118	1	==>	0
	440	1	0.200	1	==>	0
node_254 --> Dibamus novaegui	13	1	0.067	0	==>	1
	25	2	0.118	0	==>	2
	96	1	0.222	0	==>	1
	106	1	0.182	0	==>	1
	128	1	0.167	1	==>	0
	217	1	0.600	1	==>	2
	220	1	0.375	1	==>	2
	286	1	0.111	0	==>	1
	355	1	0.059	1	-->	0
	402	1	0.167	0	==>	1
	419	1	0.073	2	==>	3
	420	1	0.085	1	-->	2
	444	1	0.500	0	==>	1
	591	1	0.250	1	-->	0
node_263 --> node_262	2	1	0.083	0	-->	1
	10	1	0.087	0	-->	1
	11	1	0.105	1	-->	0
	22	1	0.111	1	==>	0
	28	1	0.143	1	==>	0
	40	1	0.500	0	==>	1
	56	2	0.190	1	==>	3
	129	2	0.051	0	==>	2
	221	1	1.000	0	==>	1
	264	1	1.000	0	==>	1
	271	1	0.167	1	==>	2
	297	1	0.100	0	-->	1
	299	1	0.600	0	==>	3
	305	1	0.333	0	-->	1
	312	1	0.222	2	-->	1
	316	2	0.200	0	==>	2
	321	1	0.231	0	==>	2

	340	1	0.095	1	==>	2
	349	1	0.136	2	==>	3
	370	1	0.333	0	-->	1
	396	1	0.095	0	==>	1
	414	1	1.000	1	==>	2
	422	1	0.182	1	==>	0
	445	1	0.300	0	==>	1
	449	1	0.200	0	-->	1
	470	1	0.125	1	-->	2
	510	1	0.143	0	-->	1
	550	1	0.200	0	-->	1
node_262 -->	6	1	0.100	0	-->	1
node_256	18	1	0.053	1	==>	0
	23	1	0.158	0	==>	3
	24	1	0.071	1	-->	0
	25	1	0.118	0	-->	1
	142	1	0.250	1	==>	0
	161	1	0.125	0	==>	1
	216	1	0.222	1	-->	0
	259	1	0.250	1	==>	0
	283	1	0.133	2	-->	1
	328	1	0.054	1	-->	0
	355	1	0.059	1	-->	0
	367	1	0.125	1	-->	0
	374	1	0.250	1	-->	0
	380	1	0.091	1	-->	0
	388	1	0.105	0	==>	1
	394	1	0.087	0	==>	1
	406	1	0.143	0	==>	1
	412	1	0.111	0	-->	1
	418	1	0.083	1	==>	2
	419	1	0.073	2	-->	1
	488	1	0.133	1	-->	2
	572	2	0.058	0	==>	2
node_256 -->	62	1	0.111	1	-->	0
node_255	152	1	0.400	1	-->	0
	258	1	0.081	1	==>	0
	297	1	0.100	1	-->	0
	312	1	0.222	1	-->	2
	364	1	0.105	0	==>	1
	394	1	0.087	1	==>	2
	410	1	0.091	0	-->	1
	420	1	0.085	1	-->	2
node_255 -->	6	1	0.100	1	-->	0
Spathorhynchus f	10	1	0.087	1	==>	2
	25	1	0.118	1	-->	0
	332	1	0.222	0	==>	2
	379	1	0.063	1	==>	0
node_255 -->	216	1	0.222	0	-->	1
Dyticonastis ren	328	1	0.054	0	-->	1
	369	1	0.100	1	==>	2

	383	1	0.080	0	==>	1
	385	1	0.067	0	==>	1
	399	1	0.063	1	==>	0
node_256 --> Rhineura florida	10	1	0.087	1	-->	0
	99	1	0.250	0	==>	1
	143	1	0.200	1	==>	2
	206	1	0.091	0	==>	1
	208	2	0.091	2	==>	0
	286	1	0.111	0	==>	1
	360	2	0.125	2	==>	0
node_262 --> node_261	4	1	0.143	0	-->	1
	10	1	0.087	1	==>	2
	56	1	0.190	3	-->	4
	102	1	0.333	1	==>	2
	124	1	0.077	1	-->	0
	127	1	1.000	0	==>	1
	215	1	0.091	1	-->	0
	275	1	0.333	2	==>	4
	276	1	0.118	2	-->	1
	281	1	0.167	0	==>	1
	318	1	1.000	0	==>	1
	372	3	0.058	3	-->	0
	375	1	0.065	0	-->	1
	381	1	0.500	1	-->	0
	390	1	0.100	2	==>	1
	396	1	0.095	1	==>	2
	400	1	0.200	0	==>	1
	427	1	0.100	1	==>	0
	446	1	0.143	1	==>	0
	457	1	0.174	1	-->	0
	463	1	0.108	1	==>	2
	475	1	0.300	2	==>	3
node_261 --> node_257	2	1	0.083	1	-->	0
	36	1	0.063	0	==>	1
	38	1	0.143	2	==>	3
	55	1	1.000	0	==>	1
	99	1	0.250	0	==>	1
	101	1	0.105	0	==>	1
	114	1	0.148	4	==>	3
	212	1	0.182	0	==>	1
	258	1	0.081	1	==>	2
	300	1	0.250	0	==>	1
	419	1	0.073	2	==>	3
	480	1	0.200	1	==>	0
	484	1	0.100	1	==>	0
	489	1	0.111	0	==>	1
	491	1	0.143	1	-->	0
	499	1	0.143	1	==>	0
	528	1	0.200	1	==>	0
	548	1	0.100	1	-->	0
node_257 --> Bipes baporus	457	1	0.174	0	-->	1

	481	1	0.083	0	==>	1
	503	1	0.286	1	==>	2
	587	1	0.100	1	==>	0
node_257 --> Bipes canalicula	543	1	0.500	0	==>	1
node_261 --> node_260	126	1	0.667	0	-->	1
	166	1	0.091	0	-->	1
	167	2	0.125	0	-->	2
	369	2	0.100	1	==>	3
	370	1	0.333	1	-->	0
	387	1	0.222	1	==>	0
	398	1	0.500	0	==>	2
	404	1	0.100	0	==>	1
	456	1	0.190	4	-->	3
	470	1	0.125	2	-->	3
	516	1	0.143	0	-->	1
node_260 --> node_258	231	1	0.077	0	==>	1
	276	1	0.118	1	==>	0
	328	1	0.054	1	==>	0
	360	2	0.125	2	==>	0
	367	1	0.125	1	==>	2
	391	1	0.500	0	==>	1
	393	1	0.250	1	==>	0
	423	1	0.100	0	==>	1
	424	1	0.500	0	==>	1
	430	1	0.333	0	==>	1
	447	1	0.083	0	==>	1
node_258 --> Trogonophis wieg	166	1	0.091	1	-->	0
	185	2	0.067	0	==>	2
	208	1	0.091	2	==>	1
	297	1	0.100	1	-->	0
	488	1	0.133	1	==>	2
	610	1	0.050	0	==>	1
node_258 --> Diplometopon zar	101	1	0.105	0	==>	1
	126	1	0.667	1	==>	2
	215	1	0.091	0	-->	1
	220	1	0.375	1	==>	0
	300	1	0.250	0	==>	1
	355	1	0.059	1	-->	0
	392	1	0.105	1	==>	2
	419	1	0.073	2	-->	1
	434	1	0.111	0	==>	2
	436	1	0.500	0	==>	1
	456	1	0.190	3	-->	4
	463	1	0.108	2	==>	1
	480	1	0.200	1	==>	0
node_260 --> node_259	4	1	0.143	1	-->	0
	21	1	0.500	0	==>	1
	128	1	0.167	2	-->	1
	179	1	0.143	1	==>	0
	222	1	0.500	0	==>	2
	332	1	0.222	0	==>	2

	380	1	0.091	1	-->	0
	456	1	0.190	3	-->	2
	490	1	0.500	0	-->	1
node_259 --> Geocalamus acutu	116	1	0.300	1	==>	0
	234	1	0.600	0	==>	2
	258	2	0.081	1	==>	3
	355	1	0.059	1	-->	0
	361	1	0.160	3	==>	2
	384	1	0.097	1	==>	0
	419	1	0.073	2	-->	1
	427	1	0.100	0	==>	1
	440	1	0.200	1	==>	0
	445	1	0.300	1	==>	0
node_259 --> Amphisbaena fuli	2	1	0.083	1	-->	0
	10	1	0.087	2	==>	1
	25	1	0.118	0	==>	1
	28	1	0.143	0	==>	1
	37	1	0.059	1	==>	0
	124	1	0.077	0	==>	1
	126	1	0.667	1	-->	0
	206	1	0.091	0	==>	1
	215	1	0.091	0	-->	1
	276	1	0.118	1	==>	2
	297	1	0.100	1	-->	0
	361	1	0.160	3	==>	4
	388	1	0.105	0	==>	1
	418	1	0.083	1	==>	2
	587	1	0.100	1	==>	0
node_313 --> node_312	8	1	0.182	0	-->	1
	9	1	0.250	0	-->	1
	20	1	0.167	0	-->	1
	21	1	0.500	0	-->	1
	32	1	1.000	0	-->	1
	37	1	0.059	1	-->	0
	39	1	0.080	4	-->	3
	51	1	0.200	0	-->	1
	57	1	0.190	1	-->	2
	96	1	0.222	0	==>	1
	113	1	0.500	1	-->	0
	114	2	0.148	3	-->	1
	115	1	0.600	0	-->	1
	119	1	0.800	0	-->	1
	120	3	0.130	0	-->	3
	133	1	0.500	0	-->	1
	135	1	0.600	0	-->	2
	141	1	0.250	0	-->	1
	168	2	0.065	0	==>	2
	182	1	0.273	2	==>	3
	195	1	1.000	0	-->	1
	201	1	0.250	1	-->	0
	204	2	0.125	0	-->	2

	211	1	1.000	0	-->	1
	215	1	0.091	1	-->	0
	216	1	0.222	1	-->	0
	217	1	0.600	1	-->	2
	220	1	0.375	1	-->	2
	249	1	0.231	1	-->	0
	258	1	0.081	2	-->	3
	273	1	0.063	1	-->	0
	276	2	0.118	2	-->	0
	296	1	0.333	2	==>	0
	299	1	0.600	0	==>	1
	300	1	0.250	0	==>	1
	321	1	0.231	0	==>	1
	328	1	0.054	1	==>	0
	331	1	1.000	0	-->	1
	332	1	0.222	0	==>	1
	344	1	0.048	1	-->	0
	346	1	1.000	1	-->	2
	357	1	0.083	0	-->	1
	359	1	1.000	0	-->	1
	361	1	0.160	3	==>	2
	367	1	0.125	1	-->	0
	373	1	0.500	0	-->	1
	376	1	0.200	0	-->	1
	377	1	0.333	0	-->	3
	382	1	0.333	0	-->	1
	385	1	0.067	0	-->	2
	413	1	0.033	1	-->	0
	415	1	0.222	0	-->	1
	418	1	0.083	1	-->	0
	419	1	0.073	1	-->	0
	423	1	0.100	0	-->	1
	426	1	0.333	0	-->	1
	431	1	0.250	0	-->	1
	440	1	0.200	1	-->	0
	457	3	0.174	1	-->	4
	468	3	0.120	0	==>	3
	488	1	0.133	1	-->	2
	589	1	0.500	1	-->	2
	599	1	0.500	0	-->	1
	602	4	0.267	0	-->	4
node_312 --> Najash rionegrin	421	1	0.075	1	==>	2
	548	1	0.100	1	-->	0
node_312 --> node_311	302	1	0.400	0	==>	1
	353	1	0.333	0	==>	1
	356	1	1.000	0	-->	1
	550	1	0.200	0	-->	1
node_311 --> Dinilysia patago	18	1	0.053	1	==>	2
	38	1	0.143	2	-->	1
	39	1	0.080	3	==>	2
	52	1	0.333	0	==>	1

	56	1	0.190	1	==>	2
	62	1	0.111	1	-->	0
	68	1	0.077	1	-->	0
	118	1	0.143	0	==>	1
	255	1	0.077	1	==>	0
	267	1	0.038	1	==>	0
	283	1	0.133	2	-->	1
	285	1	0.333	2	==>	1
	287	1	0.083	0	==>	1
	337	1	0.136	1	==>	0
	387	1	0.222	1	==>	2
	404	1	0.100	0	==>	1
node_311 --> node_310	415	1	0.222	1	==>	2
	40	1	0.500	0	==>	1
	47	1	0.188	1	-->	2
	53	1	1.000	0	==>	1
	72	1	1.000	0	-->	1
	101	2	0.105	0	==>	2
	106	1	0.182	0	==>	1
	166	1	0.091	0	==>	1
	213	1	0.048	1	-->	0
	241	1	0.667	2	==>	4
	275	1	0.333	2	==>	0
	310	1	1.000	0	==>	1
	332	1	0.222	1	==>	2
	390	2	0.100	2	==>	0
	423	1	0.100	1	-->	0
	433	1	0.100	0	-->	1
	461	1	0.300	2	==>	3
node_310 --> node_266	476	1	0.333	0	-->	1
	6	1	0.100	0	-->	1
	13	1	0.067	0	-->	1
	17	1	0.167	0	-->	1
	31	1	0.333	0	-->	1
	39	1	0.080	3	-->	4
	60	1	0.111	0	==>	1
	93	1	0.111	1	==>	0
	120	1	0.130	3	-->	2
	192	1	0.250	1	-->	0
	197	1	1.000	0	-->	1
	198	1	0.500	0	==>	1
	236	1	1.000	0	-->	1
	247	1	0.333	0	-->	1
	248	1	0.222	0	==>	1
	276	2	0.118	0	-->	2
	277	1	0.333	0	-->	1
	289	1	0.200	0	-->	1
	300	1	0.250	1	==>	0
	328	1	0.054	0	-->	1
	344	1	0.048	0	-->	1
	374	1	0.250	0	-->	1

	420	1	0.085	2	==>	1
	426	1	0.333	1	-->	0
	439	1	0.118	1	-->	2
	458	1	0.100	0	-->	1
node_266 --> node_264	16	1	0.500	0	==>	1
	51	1	0.200	1	==>	0
	185	4	0.067	0	==>	4
	270	1	1.000	0	==>	1
	298	1	1.000	0	==>	1
	299	1	0.600	1	==>	0
	390	1	0.100	0	-->	1
	459	1	0.182	3	-->	4
node_264 --> Leptotyphlops du	179	1	0.143	1	==>	0
	247	1	0.333	1	-->	0
	328	1	0.054	1	-->	0
	341	1	0.033	0	==>	1
	361	1	0.160	2	==>	1
	374	1	0.250	1	-->	0
	392	1	0.105	1	==>	2
	420	1	0.085	1	==>	0
	440	1	0.200	0	-->	1
	458	1	0.100	1	-->	0
	548	1	0.100	1	-->	0
node_264 --> Typhlops jamaice	6	1	0.100	1	-->	0
	7	1	0.069	2	-->	1
	17	1	0.167	1	-->	0
	28	1	0.143	1	==>	0
	31	1	0.333	1	-->	0
	50	1	0.167	0	==>	1
	101	1	0.105	2	-->	1
	192	1	0.250	0	-->	1
	197	1	1.000	1	-->	3
	208	1	0.091	2	==>	1
	349	1	0.136	2	==>	3
	351	1	0.375	0	==>	1
	361	2	0.160	2	==>	4
	367	1	0.125	0	==>	1
	372	2	0.058	0	==>	2
	377	1	0.333	3	-->	0
	382	1	0.333	1	==>	0
	384	1	0.097	1	==>	0
	402	1	0.167	0	==>	1
	421	1	0.075	1	==>	0
	510	1	0.143	0	==>	1
	520	1	0.250	0	==>	1
node_266 --> node_265	14	1	0.200	0	==>	1
	68	1	0.077	1	-->	0
	119	1	0.800	1	==>	3
	129	2	0.051	0	==>	2
	135	1	0.600	2	==>	3
	197	1	1.000	1	-->	2

	208	1	0.091	2	==>	3	
	296	1	0.333	0	==>	1	
	303	1	1.000	0	==>	1	
	431	1	0.250	1	-->	0	
	516	1	0.143	0	-->	1	
	587	1	0.100	1	==>	0	
node_265 -->	Liotyphlops albi	207	1	0.200	0	==>	1
node_265 -->	Typhlophis squam	106	1	0.182	1	==>	0
	303	1	1.000	1	==>	2	
	337	1	0.136	1	==>	0	
node_310 -->	node_309	7	1	0.069	2	-->	1
	12	1	0.500	0	==>	1	
	41	1	0.182	0	==>	1	
	45	1	0.333	0	==>	1	
	57	1	0.190	2	==>	3	
	84	1	0.129	4	-->	3	
	106	1	0.182	1	==>	2	
	119	1	0.800	1	==>	2	
	206	1	0.091	0	==>	1	
	207	1	0.200	0	==>	1	
	208	1	0.091	2	==>	1	
	218	1	0.333	0	-->	1	
	219	1	0.250	0	==>	1	
	224	1	1.000	0	==>	1	
	242	1	0.667	0	==>	1	
	315	1	0.071	1	-->	0	
	323	1	1.000	0	==>	1	
	351	1	0.375	0	==>	2	
	361	1	0.160	2	==>	1	
	377	1	0.333	3	-->	1	
	387	1	0.222	1	==>	0	
	389	1	0.200	0	==>	1	
	392	1	0.105	1	==>	2	
	393	1	0.250	1	==>	0	
	397	1	0.333	0	==>	1	
	400	1	0.200	0	==>	1	
	429	1	0.500	0	==>	1	
	438	1	0.100	0	-->	1	
node_309 -->	node_308	2	1	0.083	0	==>	1
	7	1	0.069	1	==>	0	
	47	1	0.188	2	-->	1	
	101	1	0.105	2	-->	1	
	188	2	0.080	4	==>	2	
	213	1	0.048	0	-->	1	
	396	2	0.095	0	==>	2	
	416	1	0.286	0	==>	2	
node_308 -->	Anomochilus leon	93	1	0.111	1	==>	0
	120	3	0.130	3	==>	0	
	124	1	0.077	0	==>	1	
	322	1	0.167	0	==>	1	
	328	1	0.054	0	==>	1	

	341	1	0.033	0	==>	1
	377	1	0.333	1	-->	3
	415	1	0.222	1	==>	0
	420	1	0.085	2	==>	1
node_308 --> node_307	431	1	0.250	1	-->	0
	45	1	0.333	1	-->	2
	68	1	0.077	1	-->	0
	118	1	0.143	0	-->	1
	166	1	0.091	1	==>	0
	188	2	0.080	2	==>	0
	198	1	0.500	0	==>	1
	218	1	0.333	1	-->	0
	234	1	0.600	0	==>	3
	242	1	0.667	1	==>	2
	255	1	0.077	1	==>	0
	267	1	0.038	1	==>	0
	276	1	0.118	0	-->	1
	277	1	0.333	0	-->	1
	279	1	0.125	0	==>	1
	326	1	0.200	0	==>	1
	398	1	0.500	0	==>	1
	415	1	0.222	1	==>	2
	421	1	0.075	1	==>	2
node_307 --> node_267	548	1	0.100	1	-->	0
	56	1	0.190	1	-->	2
	84	2	0.129	3	-->	1
	101	1	0.105	1	==>	0
	208	2	0.091	1	==>	3
	355	1	0.059	1	==>	0
	367	1	0.125	0	-->	1
	404	1	0.100	0	==>	1
node_267 --> Anilius scytale	610	1	0.050	0	==>	1
	45	1	0.333	2	==>	3
	46	1	0.167	2	==>	0
	68	1	0.077	0	-->	1
	141	1	0.250	1	==>	2
	168	2	0.065	2	==>	0
	188	1	0.080	0	-->	1
	219	1	0.250	1	==>	0
	275	1	0.333	0	==>	1
	276	1	0.118	1	-->	0
	277	1	0.333	1	-->	0
	315	1	0.071	0	-->	1
	322	1	0.167	0	==>	1
	327	1	0.500	0	==>	1
	341	1	0.033	0	==>	1
	367	1	0.125	1	-->	2
	369	1	0.100	0	==>	1
	374	1	0.250	0	==>	1
	380	1	0.091	0	==>	1
	384	1	0.097	1	==>	0

	419	2	0.073	0	==>	2
	438	1	0.100	1	-->	0
	458	2	0.100	0	==>	2
node_267 --> Cyllindrophis ruf	45	1	0.333	2	-->	1
	132	1	0.176	0	==>	1
	170	1	0.231	0	==>	1
	189	1	0.190	0	==>	1
	342	1	0.333	0	==>	1
	343	1	0.250	0	==>	1
	389	1	0.200	1	==>	0
	433	1	0.100	1	-->	0
node_307 --> node_306	18	1	0.053	1	==>	2
	115	1	0.600	1	==>	2
	170	1	0.231	0	==>	3
	174	1	0.333	0	==>	1
	185	2	0.067	0	==>	2
	194	1	0.600	2	==>	3
	203	1	0.500	0	==>	1
	208	1	0.091	1	==>	0
	210	1	0.250	0	==>	1
	224	1	1.000	1	==>	2
	247	1	0.333	0	==>	1
	248	1	0.222	0	==>	1
	256	1	0.333	1	==>	2
	260	1	0.667	0	==>	1
	265	1	0.500	0	==>	1
	268	1	0.250	1	==>	2
	274	1	1.000	0	==>	1
	288	1	0.167	0	-->	1
	299	1	0.600	1	==>	2
	300	1	0.250	1	==>	2
	324	1	0.300	1	==>	2
	325	1	0.091	0	-->	1
	337	1	0.136	1	==>	0
	351	1	0.375	2	==>	0
	387	1	0.222	0	==>	2
	420	1	0.085	2	==>	3
	423	1	0.100	0	-->	1
node_306 --> node_268	74	1	0.200	0	-->	1
	86	1	0.167	0	-->	1
	184	1	0.286	0	==>	1
	289	1	0.200	0	==>	1
	315	1	0.071	0	-->	1
	419	1	0.073	0	==>	1
node_268 --> Xenopeltis unico	33	1	0.154	0	==>	1
	41	1	0.182	1	==>	0
	68	1	0.077	0	-->	1
	132	2	0.176	0	==>	2
	287	1	0.083	0	==>	1
	355	1	0.059	1	==>	0
	377	1	0.333	1	==>	0

	382	1	0.333	1	==>	0
	384	1	0.097	1	==>	0
	386	1	0.333	0	==>	1
	389	1	0.200	1	==>	2
	412	1	0.111	1	-->	0
	416	1	0.286	2	==>	0
	419	3	0.073	1	==>	4
	420	1	0.085	3	==>	4
	421	2	0.075	2	==>	4
	427	1	0.100	1	==>	0
	438	1	0.100	1	-->	0
	510	1	0.143	0	==>	1
	516	1	0.143	0	==>	1
	520	1	0.250	0	==>	1
	548	1	0.100	0	-->	1
node_268 --> <i>Loxocemus bicolor</i>	46	1	0.167	2	==>	1
	96	1	0.222	1	==>	2
	185	2	0.067	2	==>	4
	288	1	0.167	1	==>	2
	332	1	0.222	2	==>	1
	341	1	0.033	0	==>	1
	343	1	0.250	0	==>	1
	458	2	0.100	0	==>	2
	574	1	0.333	0	==>	1
node_306 --> node_305	34	1	0.231	0	-->	1
	57	1	0.190	3	==>	2
	84	1	0.129	3	-->	4
	106	1	0.182	2	==>	1
	179	1	0.143	1	==>	0
	189	1	0.190	0	-->	1
	191	1	0.167	1	-->	0
	213	1	0.048	1	-->	0
	263	1	0.286	0	==>	1
	392	1	0.105	2	==>	1
	416	1	0.286	2	==>	3
	457	1	0.174	4	-->	3
node_305 --> node_269	8	1	0.182	1	==>	0
	45	1	0.333	2	==>	3
	91	1	0.333	0	-->	1
	125	1	1.000	0	==>	1
	325	1	0.091	1	-->	0
	343	1	0.250	0	==>	1
	438	1	0.100	1	-->	0
	510	1	0.143	0	==>	1
	516	1	0.143	0	==>	1
	520	1	0.250	0	==>	1
	548	1	0.100	0	-->	1
node_269 --> <i>Xenophidion acan</i>	68	1	0.077	0	-->	1
	96	1	0.222	1	==>	2
	101	1	0.105	1	==>	2
	172	1	0.200	0	==>	1

	208	2	0.091	0	==>	2
	288	1	0.167	1	-->	0
	324	1	0.300	2	==>	1
	326	1	0.200	1	==>	0
	337	1	0.136	0	==>	1
	344	1	0.048	0	==>	1
	384	1	0.097	1	==>	0
	389	1	0.200	1	==>	2
	398	1	0.500	1	==>	0
node_269 --> Casarea dussumie	33	2	0.154	0	==>	2
	34	1	0.231	1	-->	2
	41	1	0.182	1	==>	0
	46	1	0.167	2	==>	1
	60	1	0.111	0	==>	1
	168	1	0.065	2	==>	1
	191	1	0.167	0	-->	1
	203	1	0.500	1	==>	2
	213	1	0.048	0	-->	1
	238	1	0.133	1	==>	0
	256	1	0.333	2	==>	1
	386	1	0.333	0	==>	1
	466	1	0.250	0	==>	1
node_305 --> node_304	12	1	0.500	1	-->	2
	15	1	0.167	0	-->	1
	47	1	0.188	1	-->	2
	106	1	0.182	1	-->	0
	185	2	0.067	2	==>	4
	239	1	0.500	0	==>	1
	287	1	0.083	0	==>	1
	332	1	0.222	2	-->	1
	404	1	0.100	0	==>	1
	610	1	0.050	0	-->	1
node_304 --> node_271	3	2	0.182	0	-->	2
	19	1	0.167	0	==>	1
	45	1	0.333	2	-->	1
	56	1	0.190	1	-->	2
	101	1	0.105	1	==>	0
	115	1	0.600	2	==>	1
	189	1	0.190	1	-->	0
	219	1	0.250	1	-->	0
	265	1	0.500	1	==>	0
	299	1	0.600	2	-->	1
	300	1	0.250	2	-->	1
	302	1	0.400	1	-->	0
	341	1	0.033	0	-->	1
	353	1	0.333	1	-->	0
	379	1	0.063	1	-->	0
	387	1	0.222	2	==>	1
	390	2	0.100	0	-->	2
	457	1	0.174	3	==>	2
	463	2	0.108	1	==>	3

	469	1	1.000	0	==>	1
	478	1	0.250	0	-->	1
node_271 --> Haasiophis terra	174	1	0.333	1	==>	0
	421	1	0.075	2	==>	3
node_271 --> node_270	86	1	0.167	0	==>	1
	129	2	0.051	0	-->	2
	171	1	0.250	0	-->	1
	263	1	0.286	1	-->	2
	279	1	0.125	1	==>	0
	361	1	0.160	1	-->	2
node_270 --> Eupodophis desco	478	1	0.250	1	-->	0
node_270 --> Pachyrhachis pro	420	1	0.085	3	==>	2
node_304 --> node_303	33	1	0.154	0	==>	1
	118	1	0.143	1	-->	0
	184	1	0.286	0	==>	1
	327	1	0.500	0	==>	1
	363	1	0.333	0	==>	1
	457	1	0.174	3	-->	4
	524	1	0.200	1	-->	0
node_303 --> node_275	45	1	0.333	2	==>	3
	46	1	0.167	2	-->	0
	60	1	0.111	0	==>	1
	106	1	0.182	0	-->	1
	210	1	0.250	1	==>	0
	276	1	0.118	1	==>	0
	288	1	0.167	1	-->	0
	322	1	0.167	0	==>	1
node_275 --> node_272	2	1	0.083	1	==>	0
	12	1	0.500	2	==>	3
	41	1	0.182	1	==>	0
	84	2	0.129	4	==>	2
	332	1	0.222	1	-->	2
	344	1	0.048	0	==>	1
	389	1	0.200	1	==>	2
	416	1	0.286	3	==>	0
node_272 --> Exiliboa placata	7	1	0.069	0	==>	1
	18	1	0.053	2	==>	1
	39	1	0.080	3	==>	2
	84	1	0.129	2	==>	1
	92	1	0.250	0	==>	1
	185	2	0.067	4	==>	2
	253	1	0.333	0	==>	1
	287	1	0.083	1	==>	0
	363	1	0.333	1	==>	2
	421	1	0.075	2	==>	3
node_272 --> Ungaliophis cont	33	1	0.154	1	==>	0
	46	1	0.167	0	-->	2
	47	1	0.188	2	==>	1
	120	2	0.130	3	==>	1
	132	1	0.176	0	==>	1
	206	1	0.091	1	==>	0

	315	1	0.071	0	==>	1
	337	1	0.136	0	==>	1
	384	1	0.097	1	==>	0
	420	1	0.085	3	==>	2
node_275 --> node_274	14	1	0.200	0	-->	1
	34	1	0.231	1	-->	0
	207	1	0.200	1	-->	0
	277	1	0.333	1	==>	0
	279	1	0.125	1	==>	0
	330	1	0.333	0	-->	1
	355	1	0.059	1	-->	0
	387	1	0.222	2	==>	0
	472	1	0.500	0	-->	1
	473	1	1.000	0	==>	1
	474	1	0.500	0	-->	1
node_274 --> Eryx colubrinus	47	1	0.188	2	==>	3
	100	1	0.333	0	==>	1
	238	1	0.133	1	==>	2
	263	1	0.286	1	==>	2
	302	1	0.400	1	==>	2
	325	1	0.091	1	-->	0
	420	1	0.085	3	==>	2
node_274 --> node_273	16	1	0.500	0	==>	1
	92	1	0.250	0	==>	1
	185	1	0.067	4	==>	3
	189	1	0.190	1	==>	0
	243	1	0.250	0	-->	1
	392	1	0.105	1	-->	2
	396	1	0.095	2	==>	1
	458	2	0.100	0	==>	2
node_273 --> Calabaria reinha	7	2	0.069	0	==>	2
	33	1	0.154	1	==>	0
	60	1	0.111	1	==>	0
	93	1	0.111	1	==>	0
	106	1	0.182	1	==>	0
	185	2	0.067	3	==>	1
	203	1	0.500	1	==>	0
	207	1	0.200	0	-->	1
	242	1	0.667	2	==>	1
	255	1	0.077	0	==>	1
	267	1	0.038	0	==>	1
	315	1	0.071	0	==>	1
	341	1	0.033	0	==>	1
	343	1	0.250	0	==>	1
	355	1	0.059	0	-->	1
	377	1	0.333	1	==>	3
	396	1	0.095	1	==>	0
	472	1	0.500	1	-->	0
	474	1	0.500	1	-->	0
	476	1	0.333	1	==>	0
	574	1	0.333	0	==>	1

	610	1	0.050	1	==>	0
node_273 --> Lichanura trivir	14	1	0.200	1	-->	0
	33	1	0.154	1	==>	2
	34	1	0.231	0	-->	2
	46	1	0.167	0	-->	2
	84	3	0.129	4	==>	1
	287	1	0.083	1	==>	0
	302	1	0.400	1	==>	0
	330	1	0.333	1	-->	0
	332	1	0.222	1	-->	2
	353	1	0.333	1	==>	0
node_303 --> node_302	389	1	0.200	1	==>	2
	33	1	0.154	1	-->	2
	34	1	0.231	1	-->	2
	74	1	0.200	0	-->	1
	86	1	0.167	0	==>	1
	96	1	0.222	1	-->	2
	189	1	0.190	1	-->	2
	238	1	0.133	1	-->	0
	263	1	0.286	1	==>	2
	288	1	0.167	1	-->	2
node_302 --> node_278	343	1	0.250	0	==>	1
	39	1	0.080	3	-->	2
	100	1	0.333	0	-->	1
	132	3	0.176	0	==>	3
	248	1	0.222	1	-->	2
	302	1	0.400	1	==>	2
	315	1	0.071	0	==>	1
	325	1	0.091	1	-->	0
	387	1	0.222	2	==>	0
node_278 --> node_276	458	2	0.100	0	==>	2
	8	1	0.182	1	==>	0
	46	1	0.167	2	==>	1
	74	1	0.200	1	-->	0
	96	1	0.222	2	-->	1
	243	1	0.250	0	==>	1
	253	1	0.333	0	==>	1
	288	2	0.167	2	-->	0
	322	1	0.167	0	==>	1
node_276 --> Epicrates striat	330	1	0.333	0	==>	1
	12	1	0.500	2	==>	3
	84	1	0.129	4	==>	3
	189	1	0.190	2	-->	1
	223	1	0.333	0	==>	1
	238	1	0.133	0	-->	1
	248	1	0.222	2	-->	1
	341	1	0.033	0	==>	1
node_276 --> Boa constrictor	47	1	0.188	2	==>	3
	185	2	0.067	4	==>	2
	189	1	0.190	2	==>	3
	342	1	0.333	0	==>	1

	357	1	0.083	1	==>	0
node_278 --> node_277	12	1	0.500	2	==>	1
	15	1	0.167	1	==>	0
	33	1	0.154	2	-->	1
	34	1	0.231	2	-->	1
	47	1	0.188	2	==>	1
	141	1	0.250	1	==>	2
	289	1	0.200	0	==>	1
	321	1	0.231	1	==>	3
	329	1	0.250	0	==>	1
	574	1	0.333	0	==>	1
	610	1	0.050	1	-->	0
node_277 --> Aspidites melano	39	1	0.080	2	-->	3
	100	1	0.333	1	-->	0
	171	1	0.250	0	==>	1
	287	1	0.083	1	==>	0
	326	1	0.200	1	==>	0
	337	1	0.136	0	==>	1
	341	1	0.033	0	==>	1
	384	1	0.097	1	==>	0
	420	1	0.085	3	==>	2
node_277 --> Python molurus	51	1	0.200	1	==>	2
	189	1	0.190	2	-->	1
	210	1	0.250	1	==>	0
	213	1	0.048	0	==>	1
	419	1	0.073	0	==>	1
node_302 --> node_301	12	1	0.500	2	==>	3
	91	1	0.333	0	==>	1
	101	1	0.105	1	==>	2
	121	1	1.000	0	==>	1
	248	1	0.222	1	-->	0
	287	1	0.083	1	-->	0
	332	1	0.222	1	-->	2
	344	1	0.048	0	-->	1
	363	1	0.333	1	==>	2
	389	1	0.200	1	==>	2
	398	1	0.500	1	==>	3
	404	1	0.100	1	==>	0
	421	1	0.075	2	-->	3
	438	1	0.100	1	-->	0
	466	1	0.250	0	==>	1
node_301 --> node_279	41	1	0.182	1	==>	0
	51	1	0.200	1	==>	2
	92	1	0.250	0	==>	1
	120	2	0.130	3	==>	1
	208	3	0.091	0	==>	3
	210	1	0.250	1	==>	0
	219	1	0.250	1	==>	0
	223	1	0.333	0	==>	1
	235	1	1.000	0	==>	1
	238	1	0.133	0	-->	1

	279	1	0.125	1	==>	0
	321	1	0.231	1	==>	3
	337	1	0.136	0	==>	1
	415	1	0.222	2	==>	1
node_279 --> Trachyboa boulen	384	1	0.097	1	==>	0
	420	1	0.085	3	==>	2
	457	3	0.174	4	==>	1
node_279 --> Tropidophis haet	57	1	0.190	2	==>	1
	168	1	0.065	2	==>	1
	288	1	0.167	2	-->	1
	344	1	0.048	1	-->	0
	458	1	0.100	0	==>	1
node_301 --> node_300	19	1	0.167	0	==>	1
	34	1	0.231	2	-->	3
	45	1	0.333	2	==>	3
	60	1	0.111	0	==>	1
	131	1	0.167	0	-->	1
	141	1	0.250	1	==>	2
	171	1	0.250	0	==>	1
	172	1	0.200	0	-->	1
	203	1	0.500	1	==>	2
	213	1	0.048	0	-->	1
	218	1	0.333	0	==>	1
	220	1	0.375	2	==>	3
	260	1	0.667	1	==>	2
	276	1	0.118	1	==>	2
	289	1	0.200	0	-->	1
	326	1	0.200	1	==>	0
	327	1	0.500	1	==>	0
	386	1	0.333	0	==>	1
	463	1	0.108	1	-->	2
	510	1	0.143	0	==>	1
	516	1	0.143	0	==>	1
	520	1	0.250	0	==>	1
	548	1	0.100	0	==>	1
	606	1	1.000	0	-->	3
	610	1	0.050	1	-->	0
node_300 --> Xenodermus javan	3	1	0.182	0	==>	1
	18	1	0.053	2	==>	1
	46	1	0.167	2	==>	0
	47	1	0.188	2	==>	1
	269	1	0.500	0	==>	1
	287	1	0.083	0	-->	1
	324	1	0.300	2	==>	1
	325	1	0.091	1	-->	0
	341	1	0.033	0	==>	1
	396	1	0.095	2	==>	1
	416	1	0.286	3	==>	0
	433	1	0.100	1	==>	0
	457	1	0.174	4	==>	3
node_300 --> node_299	8	1	0.182	1	-->	0

	12	1	0.500	3	-->	4
	15	1	0.167	1	-->	0
	28	1	0.143	1	==>	0
	84	2	0.129	4	==>	2
	93	1	0.111	1	-->	0
	134	1	0.333	0	==>	1
	184	1	0.286	1	-->	2
	189	1	0.190	2	==>	3
	207	1	0.200	1	==>	0
	217	1	0.600	2	==>	3
	239	1	0.500	1	==>	0
	421	1	0.075	3	-->	2
node_299 --> Acrochordus gran	2	1	0.083	1	==>	0
	8	1	0.182	0	-->	2
	14	1	0.200	0	==>	1
	57	1	0.190	2	==>	1
	84	1	0.129	2	==>	1
	92	1	0.250	0	==>	1
	131	1	0.167	1	-->	0
	213	1	0.048	1	-->	0
	279	1	0.125	1	==>	0
	289	1	0.200	1	-->	0
	320	1	1.000	1	==>	3
	321	1	0.231	1	==>	3
	322	1	0.167	0	==>	1
	343	1	0.250	1	==>	0
	351	1	0.375	0	==>	1
	357	1	0.083	1	==>	0
	363	1	0.333	2	==>	1
	384	1	0.097	1	==>	0
	404	1	0.100	0	==>	1
	459	3	0.182	3	==>	0
	463	2	0.108	2	==>	4
	610	1	0.050	0	-->	1
node_299 --> node_298	61	1	0.500	0	==>	2
	74	1	0.200	1	==>	0
	86	1	0.167	1	==>	0
	172	1	0.200	1	-->	0
	223	2	0.333	0	==>	2
	248	1	0.222	0	-->	1
	372	2	0.058	0	-->	2
	382	1	0.333	1	==>	2
	416	1	0.286	3	-->	4
	420	1	0.085	3	==>	2
	463	1	0.108	2	-->	1
node_298 --> node_282	18	1	0.053	2	==>	1
	33	1	0.154	2	-->	1
	46	1	0.167	2	==>	0
	129	2	0.051	0	-->	2
	168	1	0.065	2	-->	1
	466	1	0.250	1	==>	0

node_282 --> Pareas hamptoni	57	1	0.190	2	==>	1
	120	2	0.130	3	==>	1
	171	1	0.250	1	==>	0
	174	1	0.333	1	==>	0
	243	1	0.250	0	==>	1
	287	1	0.083	0	==>	1
	361	1	0.160	1	==>	2
	372	2	0.058	2	-->	0
	415	1	0.222	2	==>	1
	459	1	0.182	3	==>	4
node_282 --> node_281	47	1	0.188	2	==>	1
	96	1	0.222	2	-->	1
	106	1	0.182	0	==>	1
	115	1	0.600	2	==>	3
	224	1	1.000	2	==>	3
	279	1	0.125	1	==>	0
	288	1	0.167	2	-->	1
	315	1	0.071	0	==>	1
	421	1	0.075	2	-->	3
	458	1	0.100	0	-->	1
node_281 --> Lycophidion cape	33	1	0.154	1	-->	2
	60	1	0.111	1	==>	0
	93	1	0.111	0	-->	1
	168	1	0.065	1	-->	2
	203	1	0.500	2	==>	1
	206	1	0.091	1	==>	0
	213	1	0.048	1	==>	0
	363	1	0.333	2	==>	0
	372	1	0.058	2	==>	3
	416	1	0.286	4	-->	3
	420	1	0.085	2	==>	3
	433	1	0.100	1	==>	0
node_281 --> node_280	33	1	0.154	1	==>	0
	34	1	0.231	3	==>	0
	61	1	0.500	2	-->	0
	84	2	0.129	2	-->	0
	129	2	0.051	2	-->	0
	191	1	0.167	0	==>	1
	238	1	0.133	0	==>	1
	321	1	0.231	1	-->	3
	325	1	0.091	1	-->	0
	337	1	0.136	0	==>	1
	417	1	0.400	0	-->	2
	435	1	0.333	0	==>	1
	439	1	0.118	1	-->	2
node_280 --> Aparallactus wer	2	1	0.083	1	==>	0
	19	1	0.167	1	==>	0
	39	1	0.080	3	==>	2
	57	1	0.190	2	==>	3
	167	2	0.125	0	==>	2
	168	1	0.065	1	==>	0

	185	3	0.067	4	==>	1
	188	1	0.080	0	==>	1
	189	3	0.190	3	==>	0
	263	2	0.286	2	==>	0
	296	1	0.333	0	==>	2
	324	1	0.300	2	==>	1
	329	1	0.250	0	==>	1
	357	1	0.083	1	==>	0
	377	1	0.333	1	==>	3
	457	2	0.174	4	==>	2
	458	1	0.100	1	-->	0
node_280 --> Atractaspis irre	7	2	0.069	0	==>	2
	14	1	0.200	0	==>	1
	46	1	0.167	0	==>	2
	51	1	0.200	1	==>	0
	68	1	0.077	0	==>	1
	96	1	0.222	1	-->	2
	119	1	0.800	2	==>	4
	131	1	0.167	1	==>	0
	189	1	0.190	3	==>	4
	267	1	0.038	0	==>	1
	288	1	0.167	1	-->	2
	300	1	0.250	2	==>	1
	341	1	0.033	0	==>	1
	343	1	0.250	1	==>	0
	361	1	0.160	1	==>	0
	396	2	0.095	2	==>	0
	404	1	0.100	0	==>	1
	420	1	0.085	2	==>	1
	421	3	0.075	3	==>	0
	435	1	0.333	1	==>	2
	458	1	0.100	1	==>	2
node_298 --> node_297	34	1	0.231	3	-->	2
	39	1	0.080	3	==>	2
	44	1	0.333	0	==>	1
	47	1	0.188	2	==>	3
	84	1	0.129	2	-->	3
	93	1	0.111	0	-->	1
	133	1	0.500	1	==>	2
	238	1	0.133	0	==>	1
	372	1	0.058	2	==>	3
	433	1	0.100	1	-->	0
	457	1	0.174	4	==>	3
node_297 --> node_290	96	1	0.222	2	==>	1
	223	1	0.333	2	-->	1
	253	1	0.333	0	==>	1
	276	1	0.118	2	-->	1
	384	1	0.097	1	==>	0
	398	1	0.500	3	-->	1
	417	1	0.400	0	==>	1
	420	1	0.085	2	-->	1

	435	2	0.333	0	==>	2
node_290 --> node_287	35	1	0.500	0	-->	1
	39	1	0.080	2	-->	3
	51	1	0.200	1	-->	2
	57	1	0.190	2	-->	1
	84	1	0.129	3	-->	4
	93	1	0.111	1	-->	0
	119	1	0.800	2	==>	4
	260	1	0.667	2	==>	1
	273	1	0.063	0	==>	1
	276	1	0.118	1	-->	2
	327	1	0.500	0	-->	3
	372	1	0.058	3	==>	2
	398	1	0.500	1	-->	3
	405	1	0.250	0	==>	1
node_287 --> Causus rhombeatu	41	1	0.182	1	==>	2
	45	1	0.333	3	==>	2
	131	1	0.167	1	==>	0
	189	1	0.190	3	==>	4
	208	3	0.091	0	==>	3
	238	1	0.133	1	==>	2
	300	1	0.250	2	==>	1
	361	1	0.160	1	==>	0
	421	1	0.075	2	-->	3
	457	1	0.174	3	==>	2
node_287 --> node_286	7	1	0.069	0	==>	1
	15	1	0.167	0	==>	1
	44	1	0.333	1	==>	0
	61	1	0.500	2	-->	0
	243	1	0.250	0	==>	1
	279	1	0.125	1	==>	0
	315	1	0.071	0	==>	1
node_286 --> Azemiops feae	33	1	0.154	2	==>	1
	35	1	0.500	1	-->	0
	47	1	0.188	3	==>	2
	51	1	0.200	2	-->	1
	57	1	0.190	1	-->	2
	74	1	0.200	0	==>	1
	86	1	0.167	0	==>	1
	96	1	0.222	1	==>	2
	129	1	0.051	0	==>	1
	189	1	0.190	3	==>	2
	327	1	0.500	3	-->	0
	355	1	0.059	1	==>	0
	372	2	0.058	2	==>	0
	433	1	0.100	0	==>	1
node_286 --> node_285	52	1	0.333	0	==>	1
	61	1	0.500	0	-->	1
	84	2	0.129	4	-->	2
	133	1	0.500	2	-->	1
	248	1	0.222	1	-->	2

	326	2	0.200	0	==>	2
	343	1	0.250	1	==>	2
	357	1	0.083	1	==>	0
	610	1	0.050	0	==>	1
node_285 --> Daboia russelli	34	1	0.231	2	==>	3
	41	1	0.182	1	==>	2
	132	3	0.176	0	==>	3
	189	1	0.190	3	==>	4
	223	1	0.333	1	==>	2
	238	1	0.133	1	==>	2
	341	1	0.033	0	==>	1
	438	1	0.100	0	==>	1
node_285 --> node_284	46	1	0.167	2	-->	0
	84	2	0.129	2	==>	0
	238	1	0.133	1	==>	0
	372	1	0.058	2	-->	3
	463	1	0.108	1	==>	2
node_284 --> Agkistrodon cont	2	1	0.083	1	==>	0
	288	1	0.167	2	==>	1
	457	1	0.174	3	==>	2
node_284 --> node_283	41	1	0.182	1	==>	0
	47	1	0.188	3	==>	2
	355	1	0.059	1	==>	0
	439	1	0.118	1	-->	2
	457	1	0.174	3	==>	4
	458	1	0.100	0	==>	1
node_283 --> Bothrops asper	60	1	0.111	1	==>	0
	189	1	0.190	3	==>	4
	438	1	0.100	0	==>	1
	587	1	0.100	1	==>	0
node_283 --> Lachesis muta	7	1	0.069	1	==>	0
	15	1	0.167	1	==>	0
	34	1	0.231	2	==>	3
	131	1	0.167	1	==>	0
	372	3	0.058	3	==>	0
	458	1	0.100	1	==>	2
	610	1	0.050	1	==>	0
node_290 --> node_289	132	2	0.176	0	==>	2
	238	1	0.133	1	-->	0
	279	1	0.125	1	==>	0
	457	1	0.174	3	==>	4
	458	1	0.100	0	==>	1
	463	1	0.108	1	-->	2
node_289 --> Naja naja	2	1	0.083	1	==>	0
	12	1	0.500	4	==>	3
	15	1	0.167	0	==>	1
	28	1	0.143	0	==>	1
	41	1	0.182	1	==>	2
	93	1	0.111	1	-->	0
	213	1	0.048	1	==>	0
	248	1	0.222	1	==>	2

	337	2	0.136	0	==>	2
	384	1	0.097	0	==>	1
	587	1	0.100	1	==>	0
node_289 --> node_288	44	1	0.333	1	==>	0
	47	1	0.188	3	==>	1
	60	1	0.111	1	==>	0
	86	1	0.167	0	-->	1
	91	1	0.333	1	==>	0
	106	1	0.182	0	==>	1
	132	1	0.176	2	==>	3
	184	1	0.286	2	==>	1
	189	1	0.190	3	==>	2
	224	1	1.000	2	==>	4
	277	1	0.333	1	==>	0
	324	1	0.300	2	==>	1
	325	1	0.091	1	==>	0
	341	1	0.033	0	==>	1
	433	1	0.100	0	==>	1
	458	1	0.100	1	==>	2
node_288 --> Laticauda colubr	34	1	0.231	2	==>	3
	46	1	0.167	2	==>	0
	52	1	0.333	0	==>	1
	131	1	0.167	1	==>	0
	184	1	0.286	1	==>	0
	204	2	0.125	2	==>	0
	238	2	0.133	0	==>	2
	276	1	0.118	1	==>	0
	287	1	0.083	0	==>	1
	357	1	0.083	1	==>	0
	363	1	0.333	2	==>	1
	377	1	0.333	1	==>	3
	396	2	0.095	2	==>	0
node_288 --> Micrurus fulvius	4	1	0.143	0	==>	1
	57	1	0.190	2	==>	3
	68	1	0.077	0	==>	1
	106	1	0.182	1	==>	2
	133	1	0.500	2	==>	1
	288	1	0.167	2	==>	1
	321	1	0.231	1	==>	3
	322	1	0.167	0	==>	1
	329	1	0.250	0	==>	1
	355	1	0.059	1	==>	0
node_290 --> Notechis scutatu	84	1	0.129	3	-->	2
	238	1	0.133	1	==>	2
	337	2	0.136	0	==>	2
	341	1	0.033	0	==>	1
	420	1	0.085	1	-->	2
	421	1	0.075	2	-->	3
	438	1	0.100	0	==>	1
	610	1	0.050	0	==>	1
node_297 --> node_296	41	1	0.182	1	==>	2

	51	1	0.200	1	==>	2
	172	1	0.200	0	-->	1
	203	1	0.500	2	==>	3
	269	1	0.500	0	==>	1
	321	1	0.231	1	==>	3
	326	1	0.200	0	-->	1
	329	1	0.250	0	==>	1
	439	1	0.118	1	-->	2
	463	1	0.108	1	-->	2
node_296 --> node_294	27	1	1.000	0	==>	1
	34	1	0.231	2	-->	3
	84	1	0.129	3	-->	2
	277	1	0.333	1	==>	2
	287	1	0.083	0	==>	1
	327	1	0.500	0	==>	2
	417	1	0.400	0	==>	2
	420	1	0.085	2	==>	3
	421	1	0.075	2	-->	3
node_294 --> Natrrix natrrix	56	1	0.190	1	==>	2
	189	1	0.190	3	==>	4
	587	1	0.100	1	==>	0
node_294 --> node_293	438	1	0.100	0	==>	1
	457	1	0.174	3	==>	2
node_293 --> node_291	227	1	1.000	0	==>	1
node_291 --> Afronatrix anosc	41	1	0.182	2	==>	1
	47	1	0.188	3	==>	2
	84	1	0.129	2	==>	3
	287	1	0.083	1	==>	0
	357	1	0.083	1	==>	0
	463	1	0.108	2	==>	1
node_291 --> Amphiesma stolat	7	1	0.069	0	==>	1
	93	1	0.111	1	==>	0
	172	1	0.200	1	==>	0
	184	1	0.286	2	==>	1
	315	1	0.071	0	==>	1
	435	1	0.333	0	==>	1
node_293 --> node_292	337	1	0.136	0	==>	1
	341	1	0.033	0	==>	1
node_292 --> Thamnophis marci	60	1	0.111	1	==>	0
	184	1	0.286	2	==>	1
	189	1	0.190	3	==>	4
	610	1	0.050	0	==>	1
node_292 --> Xenochrophis pis	84	2	0.129	2	==>	0
	213	1	0.048	1	==>	0
	433	1	0.100	0	==>	1
node_296 --> node_295	57	1	0.190	2	==>	4
	315	1	0.071	0	==>	1
	433	1	0.100	0	-->	1
	466	1	0.250	1	==>	0
node_295 --> Lampropeltis get	438	1	0.100	0	==>	1
	457	1	0.174	3	==>	4

	458	2	0.100	0	==>	2
node_295 --> Coluber constrictor	56	1	0.190	1	==>	2
	132	1	0.176	0	==>	1
	238	1	0.133	1	==>	0
	248	1	0.222	1	==>	0
	326	1	0.200	1	-->	0
	349	1	0.136	2	==>	3
node_309 --> Uropeltis melanocephala	9	1	0.250	1	==>	0
	25	1	0.118	0	==>	1
	96	1	0.222	1	==>	2
	134	1	0.333	0	==>	1
	208	1	0.091	1	==>	0
	222	1	0.500	1	==>	0
	249	1	0.231	0	==>	3
	275	1	0.333	0	==>	1
	296	1	0.333	0	==>	2
	337	1	0.136	1	==>	2
	367	1	0.125	0	==>	1
	404	1	0.100	0	==>	1
	423	1	0.100	0	-->	1
	457	1	0.174	4	-->	3
node_324 --> node_323	29	1	0.083	0	==>	1
	39	2	0.080	4	-->	2
	77	1	0.083	1	-->	0
	94	1	0.063	1	-->	0
	124	1	0.077	0	==>	1
	156	1	0.333	0	-->	1
	167	1	0.125	0	-->	1
	204	1	0.125	0	==>	1
	214	1	0.200	0	==>	1
	215	1	0.091	1	-->	0
	325	1	0.091	0	==>	1
	328	1	0.054	1	-->	2
	357	1	0.083	0	==>	1
	373	1	0.500	0	==>	1
	376	1	0.200	0	==>	1
	385	1	0.067	0	==>	2
	395	1	0.500	0	==>	1
	401	1	0.077	1	==>	0
	425	1	1.000	0	==>	1
	426	1	0.333	0	==>	1
	431	1	0.250	0	==>	1
	460	1	0.600	0	-->	1
	464	1	1.000	0	-->	1
	512	1	0.091	1	-->	0
	513	1	0.083	1	-->	0
	570	1	0.500	1	-->	0
	594	1	0.333	0	-->	1
node_323 --> Gobiderma pulchrum	99	1	0.250	0	==>	1
	104	1	0.077	1	-->	0
	168	2	0.065	0	==>	2

	341	1	0.033	0	==>	1
node_323 --> node_322	18	2	0.053	0	==>	2
	20	1	0.167	0	==>	1
	24	1	0.071	0	-->	1
	118	1	0.143	0	==>	1
	129	1	0.051	1	-->	2
	280	1	0.500	0	==>	1
	416	1	0.286	0	==>	2
	418	1	0.083	1	==>	2
	465	1	0.250	0	-->	1
	521	1	0.067	1	-->	0
	572	1	0.058	2	-->	1
node_322 --> Estesia mongolie	62	1	0.111	0	==>	2
	94	1	0.063	0	-->	1
	150	1	0.200	0	==>	1
	311	1	0.286	0	==>	1
	337	1	0.136	1	-->	0
	575	1	0.167	1	==>	0
	577	1	0.167	1	==>	0
	578	1	0.167	1	-->	0
node_322 --> node_321	2	1	0.083	0	-->	1
	39	1	0.080	2	-->	3
	143	1	0.200	0	==>	1
	160	1	0.143	1	-->	0
	167	1	0.125	1	-->	0
	216	1	0.222	1	-->	0
	250	1	0.273	2	-->	3
	252	1	0.200	0	==>	1
	281	1	0.167	0	==>	1
	307	1	0.125	0	==>	1
	362	1	0.333	0	-->	1
node_321 --> Aiolosaurus orie	5	1	0.167	0	==>	1
	167	1	0.125	0	-->	1
	179	1	0.143	1	==>	0
	362	1	0.333	1	-->	0
	375	1	0.065	1	==>	0
	389	1	0.200	0	==>	1
	396	1	0.095	0	==>	1
	419	1	0.073	3	==>	2
node_321 --> node_316	2	1	0.083	1	-->	0
	7	1	0.069	1	==>	0
	13	1	0.067	0	==>	1
	24	1	0.071	1	==>	0
	29	1	0.083	1	==>	0
	38	1	0.143	1	==>	2
	39	1	0.080	3	==>	4
	58	1	0.222	2	==>	1
	68	1	0.077	0	==>	1
	118	1	0.143	1	==>	0
	168	2	0.065	0	==>	2
	169	1	0.333	0	==>	1

	240	1	0.125	0	==>	1
	241	1	0.667	2	==>	3
	255	1	0.077	0	==>	1
	267	1	0.038	0	==>	1
	383	1	0.080	1	-->	0
	413	1	0.033	1	==>	0
	421	1	0.075	2	==>	1
	428	1	0.200	1	-->	0
	435	1	0.333	0	==>	1
	450	1	0.143	1	-->	0
	462	1	0.071	0	==>	1
	483	1	0.120	2	-->	1
	488	1	0.133	0	==>	1
	495	1	0.125	1	==>	0
	506	1	0.250	0	==>	1
	535	1	0.143	2	-->	1
	572	1	0.058	1	-->	2
	609	1	0.167	0	==>	1
node_316 --> Heloderma horrid	316	1	0.200	0	-->	1
	513	1	0.083	0	-->	1
	532	1	0.500	0	==>	1
	535	1	0.143	1	==>	0
	561	1	0.154	1	-->	0
	584	1	0.188	2	-->	1
node_316 --> Heloderma suspec	155	1	0.133	2	==>	1
	188	1	0.080	2	==>	3
	465	1	0.250	1	-->	0
node_321 --> node_320	7	1	0.069	1	-->	2
	17	1	0.167	0	==>	1
	18	1	0.053	2	-->	1
	19	1	0.167	0	==>	1
	90	2	0.105	2	==>	0
	129	1	0.051	2	-->	1
	140	1	1.000	0	==>	1
	143	1	0.200	1	==>	2
	148	1	0.091	0	-->	1
	185	1	0.067	1	==>	2
	291	1	0.053	1	-->	0
	313	1	0.500	0	==>	1
	339	1	1.000	0	==>	1
	348	1	0.111	0	==>	1
	453	1	0.250	0	==>	1
	463	1	0.108	2	-->	3
	475	1	0.300	2	==>	3
	476	1	0.333	0	==>	1
	477	1	1.000	1	==>	2
	573	1	0.083	0	==>	1
	590	1	0.308	3	==>	4
	599	1	0.500	0	==>	1
	602	1	0.267	0	==>	1
	608	1	0.333	0	==>	1

node_320 --> Lanthanotus born	56	1	0.190	2	==>	1
	68	1	0.077	0	==>	1
	94	1	0.063	0	-->	1
	96	1	0.222	0	==>	3
	128	2	0.167	1	==>	3
	150	1	0.200	0	==>	1
	204	1	0.125	1	==>	2
	206	1	0.091	0	==>	1
	208	1	0.091	2	==>	3
	214	1	0.200	1	==>	0
	256	1	0.333	0	==>	1
	268	1	0.250	0	==>	1
	326	1	0.200	0	==>	1
	375	1	0.065	1	==>	0
	392	1	0.105	0	==>	1
	419	1	0.073	3	==>	2
	509	1	0.158	2	-->	1
	519	1	0.077	0	==>	1
	521	1	0.067	0	-->	1
	542	1	0.273	0	==>	2
	546	1	0.100	1	==>	0
	566	1	0.444	0	==>	2
	572	1	0.058	1	==>	0
	584	1	0.188	2	==>	3
node_320 --> node_319	39	1	0.080	3	-->	2
	62	1	0.111	0	==>	2
	104	1	0.077	1	==>	0
	160	1	0.143	0	-->	1
	185	1	0.067	2	-->	3
	208	2	0.091	2	-->	0
	216	1	0.222	0	-->	1
	250	2	0.273	3	==>	1
	294	1	0.091	1	-->	0
	315	1	0.071	1	-->	0
	316	1	0.200	0	-->	1
	328	2	0.054	2	-->	0
	439	1	0.118	1	-->	2
	442	1	0.143	1	-->	0
	444	1	0.500	0	-->	1
	449	1	0.200	0	-->	1
	452	1	0.235	0	-->	4
	456	1	0.190	1	==>	0
	496	1	0.083	0	-->	1
	503	1	0.286	1	-->	0
	507	1	0.167	1	-->	0
	517	1	0.200	0	-->	1
	518	1	0.100	0	-->	1
	575	1	0.167	1	==>	0
	577	1	0.167	1	==>	0
	578	1	0.167	1	-->	0
	579	1	0.182	1	==>	0

	584	1	0.188	2	-->	1
	589	1	0.500	1	-->	2
	602	3	0.267	1	-->	4
node_319 --> Saniwa	5	1	0.167	0	==>	1
	7	1	0.069	2	-->	1
	117	1	0.333	1	==>	0
	213	1	0.048	1	==>	0
	416	1	0.286	2	==>	0
	418	1	0.083	2	==>	1
	420	1	0.085	2	==>	3
	463	1	0.108	3	-->	2
	484	1	0.100	1	==>	0
node_319 --> node_318	10	1	0.087	0	==>	1
	11	1	0.105	0	==>	1
	18	1	0.053	1	-->	2
	38	1	0.143	1	==>	2
	129	1	0.051	1	-->	0
	140	1	1.000	1	==>	2
	148	1	0.091	1	-->	0
	152	1	0.400	0	==>	1
	204	1	0.125	1	-->	0
	222	1	0.500	1	==>	3
	255	1	0.077	0	==>	1
	267	1	0.038	0	==>	1
	460	1	0.600	1	==>	2
	561	1	0.154	1	-->	0
node_318 --> node_317	25	1	0.118	0	==>	1
	307	1	0.125	1	==>	0
	462	1	0.071	0	==>	1
	463	1	0.108	3	==>	4
	494	1	0.133	1	==>	0
	514	1	0.083	0	==>	1
	578	1	0.167	0	-->	1
node_317 --> Varanus salvator	5	1	0.167	0	==>	1
	7	1	0.069	2	-->	1
	49	1	0.089	0	==>	1
	94	1	0.063	0	==>	2
	129	1	0.051	0	-->	1
	502	1	0.091	1	==>	0
	575	1	0.167	0	==>	1
	577	1	0.167	0	==>	1
	579	1	0.182	0	==>	1
	580	1	0.333	0	==>	1
	587	1	0.100	1	==>	0
node_317 --> Varanus exanthem	90	1	0.105	0	==>	1
	117	1	0.333	1	==>	0
	148	1	0.091	0	-->	1
	185	1	0.067	3	-->	2
	204	1	0.125	0	-->	1
	315	1	0.071	0	-->	1
	337	1	0.136	1	==>	0

	375	1	0.065	1	==>	2
	416	1	0.286	2	==>	0
	422	1	0.182	1	==>	0
	427	1	0.100	1	==>	0
	453	1	0.250	1	==>	0
	484	1	0.100	1	==>	0
	561	1	0.154	0	-->	1
	566	1	0.444	0	==>	4
node_318 --> Varanus acanthur	3	1	0.182	0	==>	1
	10	1	0.087	1	==>	2
	48	1	0.103	4	==>	3
	56	1	0.190	2	==>	1
	145	1	0.400	2	==>	0
	168	1	0.065	0	==>	1
	185	1	0.067	3	==>	4
	208	3	0.091	0	==>	3
	326	1	0.200	0	==>	1
	419	1	0.073	3	==>	2
	445	1	0.300	1	==>	0
	513	1	0.083	0	-->	1
	572	1	0.058	1	==>	0
node_328 --> node_327	49	2	0.089	0	==>	2
	66	1	0.286	1	==>	2
	161	1	0.125	0	==>	1
	170	1	0.231	0	==>	1
	188	1	0.080	2	==>	3
	258	1	0.081	3	-->	2
	328	1	0.054	1	-->	0
	338	1	0.143	0	-->	1
	366	1	0.500	0	==>	1
	368	1	0.182	1	-->	2
	378	1	0.091	0	==>	1
	396	2	0.095	0	-->	2
	405	1	0.250	0	==>	1
	406	1	0.143	0	==>	1
	410	1	0.091	0	==>	1
	453	1	0.250	0	==>	1
	471	1	0.250	0	-->	1
	482	1	0.333	0	-->	1
	511	1	0.143	0	-->	1
	515	1	0.250	0	-->	1
	576	1	1.000	0	==>	1
	580	1	0.333	0	==>	1
	582	1	0.250	0	==>	1
node_327 --> Pseudopus apodus	5	1	0.167	0	==>	1
	7	1	0.069	1	==>	0
	23	1	0.158	0	==>	1
	39	3	0.080	4	==>	1
	49	2	0.089	2	==>	4
	67	1	0.300	0	==>	1
	69	1	0.333	0	==>	1

	76	1	0.333	0	==>	1
	114	1	0.148	3	==>	4
	149	1	0.087	2	==>	1
	155	1	0.133	1	==>	2
	188	1	0.080	3	==>	4
	204	1	0.125	0	==>	1
	213	1	0.048	1	==>	0
	214	1	0.200	0	==>	1
	215	1	0.091	1	==>	0
	230	1	0.333	1	==>	0
	283	1	0.133	1	==>	2
	349	1	0.136	0	==>	1
	360	1	0.125	1	==>	0
	365	1	0.333	0	==>	1
	367	1	0.125	0	==>	1
	379	1	0.063	0	==>	1
	396	2	0.095	2	-->	0
	419	1	0.073	3	==>	2
	456	1	0.190	1	==>	2
	459	3	0.182	0	==>	3
	462	1	0.071	0	==>	1
	463	1	0.108	2	==>	3
	483	1	0.120	2	==>	3
	488	1	0.133	0	==>	1
	494	1	0.133	1	==>	0
	495	1	0.125	1	==>	0
	498	1	0.083	1	==>	0
	502	1	0.091	1	==>	0
	504	1	0.125	1	==>	0
	507	1	0.167	1	==>	0
	509	1	0.158	1	==>	3
	528	1	0.200	0	==>	1
node_327 -->	7	1	0.069	1	==>	2
node_325	62	1	0.111	0	==>	2
	108	1	0.125	0	==>	1
	154	1	0.077	1	==>	0
	258	1	0.081	2	-->	3
	291	1	0.053	0	-->	1
	294	1	0.091	0	-->	1
	328	2	0.054	0	-->	2
	368	2	0.182	2	-->	0
	383	1	0.080	1	-->	0
	388	1	0.105	0	==>	1
	420	1	0.085	2	-->	3
	421	1	0.075	2	-->	3
	463	1	0.108	2	-->	1
	468	1	0.120	0	-->	1
	570	1	0.500	1	==>	2
	571	1	1.000	0	==>	1
node_325 -->	11	1	0.105	0	==>	2
Peltosaurus gran	18	1	0.053	0	==>	1

	36	1	0.063	0	==>	1
	49	1	0.089	2	-->	1
	217	1	0.600	1	==>	0
node_325 --> Helodermoides tu	13	1	0.067	0	==>	1
	24	1	0.071	0	==>	1
	49	2	0.089	2	==>	4
	108	1	0.125	1	==>	2
	129	1	0.051	0	==>	1
	148	1	0.091	0	==>	1
	150	1	0.200	0	==>	1
	161	1	0.125	1	==>	0
	168	1	0.065	0	==>	1
	170	1	0.231	1	==>	0
	175	1	0.333	0	==>	1
	378	1	0.091	1	==>	0
node_327 --> node_326	385	1	0.067	0	==>	2
	228	1	0.500	0	==>	1
	232	1	0.143	1	==>	0
	249	1	0.231	0	==>	1
	255	1	0.077	0	-->	1
	258	1	0.081	2	==>	1
	338	1	0.143	1	-->	0
	375	1	0.065	2	==>	3
	383	1	0.080	1	==>	2
	434	1	0.111	0	==>	1
	470	1	0.125	3	-->	0
	483	1	0.120	2	-->	1
node_326 --> Celestus enneagr	484	1	0.100	1	-->	0
	5	1	0.167	0	==>	1
	8	1	0.182	0	==>	1
	11	1	0.105	0	==>	2
	13	1	0.067	0	==>	1
	37	1	0.059	0	==>	1
	66	2	0.286	2	==>	0
	94	1	0.063	1	==>	0
	95	1	0.083	0	==>	1
	108	1	0.125	0	==>	1
	167	1	0.125	0	==>	1
	367	1	0.125	0	==>	1
	452	1	0.235	0	==>	1
	470	1	0.125	0	-->	1
	471	1	0.250	1	-->	0
	481	1	0.083	0	==>	1
	492	1	0.111	0	==>	1
	542	1	0.273	0	==>	2
	566	1	0.444	0	==>	2
	587	1	0.100	1	==>	0
	607	1	0.250	1	==>	0
node_326 --> Elgaria multicar	610	1	0.050	0	==>	1
	36	1	0.063	0	==>	1
	49	1	0.089	2	-->	1

	77	1	0.083	1	==>	0
	128	2	0.167	1	==>	3
	231	1	0.077	0	==>	1
	365	1	0.333	0	==>	1
	385	1	0.067	0	==>	2
	399	1	0.063	0	==>	1
	420	1	0.085	2	-->	3
	421	1	0.075	2	-->	3
	428	1	0.200	1	==>	0
	456	1	0.190	1	==>	0
	461	1	0.300	2	==>	0
	519	1	0.077	0	==>	1
	521	1	0.067	1	==>	0
node_331 --> node_330	7	1	0.069	1	==>	2
	24	1	0.071	0	-->	1
	36	1	0.063	0	==>	1
	42	1	0.500	0	==>	1
	62	1	0.111	0	-->	2
	101	1	0.105	0	==>	1
	153	1	0.100	0	==>	1
	213	1	0.048	1	-->	0
	268	1	0.250	0	-->	1
	375	1	0.065	2	==>	3
	442	1	0.143	1	-->	0
	494	1	0.133	1	==>	0
	498	1	0.083	1	==>	0
	508	1	0.143	1	==>	0
	512	1	0.091	1	-->	0
	541	1	0.100	0	-->	1
	565	1	0.125	0	-->	1
	570	1	0.500	1	-->	0
	572	1	0.058	2	==>	3
	610	1	0.050	0	==>	1
node_330 --> Shinisaurus croc	20	1	0.167	0	==>	1
	25	1	0.118	0	==>	1
	39	1	0.080	2	-->	1
	90	2	0.105	2	==>	0
	94	1	0.063	0	==>	2
	116	1	0.300	1	==>	0
	129	1	0.051	0	==>	1
	130	1	0.500	0	==>	1
	144	1	0.091	1	==>	0
	148	1	0.091	0	==>	1
	160	1	0.143	1	-->	0
	208	1	0.091	2	==>	1
	258	1	0.081	3	-->	2
	307	1	0.125	0	==>	1
	328	1	0.054	1	==>	2
	344	1	0.048	0	==>	1
	348	1	0.111	0	==>	1
	349	1	0.136	0	==>	1

	357	1	0.083	0	==>	1
	367	1	0.125	0	==>	1
	371	1	0.250	1	-->	0
	383	1	0.080	1	-->	0
	412	1	0.111	0	==>	1
	427	1	0.100	0	==>	1
	455	2	0.148	4	==>	2
	463	1	0.108	2	==>	3
	470	1	0.125	3	-->	0
	471	1	0.250	0	==>	1
	496	1	0.083	0	==>	1
	502	1	0.091	1	==>	0
	521	1	0.067	1	==>	0
	530	1	0.200	0	==>	1
	535	1	0.143	1	==>	2
	561	1	0.154	0	==>	1
node_330 --> node_329	6	1	0.100	0	==>	1
	10	2	0.087	0	==>	2
	11	1	0.105	0	==>	2
	48	1	0.103	3	==>	2
	76	1	0.333	0	==>	1
	82	1	0.118	1	==>	2
	99	1	0.250	0	==>	1
	154	1	0.077	1	==>	0
	162	1	0.333	1	==>	0
	163	1	0.500	0	==>	1
	164	1	0.333	0	==>	1
	165	1	0.200	1	==>	0
	185	1	0.067	1	==>	2
	228	1	0.500	0	==>	1
	267	1	0.038	0	==>	1
	328	1	0.054	1	-->	0
	337	1	0.136	1	-->	0
	368	1	0.182	1	-->	0
	378	1	0.091	0	==>	1
	379	1	0.063	0	==>	1
	385	1	0.067	0	==>	1
	396	1	0.095	0	==>	1
	406	1	0.143	0	==>	1
	420	1	0.085	2	-->	3
	421	1	0.075	2	-->	3
	428	1	0.200	1	-->	0
	434	1	0.111	0	-->	1
	439	1	0.118	1	==>	0
	535	1	0.143	1	-->	0
node_329 --> Xenosaurus platy	48	1	0.103	2	==>	1
	62	1	0.111	2	-->	0
	232	1	0.143	1	==>	0
	340	1	0.095	1	==>	0
	578	1	0.167	0	==>	1
node_329 --> Xenosaurus grand	182	1	0.273	1	==>	2

	291	1	0.053	0	==>	1
	396	1	0.095	1	==>	2
	413	1	0.033	1	==>	0
	483	1	0.120	1	==>	0
node_365 --> node_364	18	1	0.053	0	==>	1
	23	1	0.158	0	==>	2
	37	1	0.059	0	==>	1
	39	1	0.080	2	-->	1
	178	1	0.286	1	-->	0
	250	1	0.273	2	==>	3
	254	1	0.182	0	==>	1
	291	1	0.053	0	-->	1
	385	1	0.067	0	-->	1
	399	1	0.063	0	-->	1
	434	1	0.111	0	-->	1
	455	2	0.148	4	==>	2
	470	1	0.125	3	-->	0
	500	1	0.133	0	==>	2
	501	1	0.100	0	==>	1
	511	1	0.143	0	==>	1
	515	1	0.250	0	==>	1
	591	1	0.250	0	==>	1
	592	1	0.667	0	==>	2
	593	1	0.231	1	-->	2
	595	1	0.333	0	==>	1
node_364 --> node_338	596	1	0.333	0	-->	1
	13	1	0.067	0	-->	1
	24	1	0.071	0	-->	1
	58	1	0.222	1	-->	0
	66	1	0.286	0	==>	1
	89	1	0.500	0	==>	1
	128	1	0.167	1	-->	2
	144	1	0.091	1	==>	0
	145	1	0.400	2	==>	1
	222	1	0.500	0	==>	2
	258	2	0.081	3	-->	1
	328	1	0.054	1	-->	0
	369	1	0.100	0	-->	1
	379	1	0.063	0	-->	1
	394	1	0.087	1	==>	2
	475	1	0.300	1	-->	0
	481	1	0.083	0	==>	1
	521	1	0.067	1	-->	0
	579	1	0.182	1	-->	0
	590	1	0.308	2	==>	3
	602	2	0.267	0	==>	2
node_338 --> node_332	18	1	0.053	1	==>	2
	49	1	0.089	0	==>	1
	67	3	0.300	0	==>	3
	77	1	0.083	0	==>	1
	82	1	0.118	1	==>	0

	101	1	0.105	0	==>	1
	123	1	0.125	0	==>	1
	170	1	0.231	0	==>	1
	206	1	0.091	0	==>	1
	283	1	0.133	1	==>	0
	399	1	0.063	1	-->	0
	401	1	0.077	1	-->	0
	452	1	0.235	0	==>	3
	575	1	0.167	0	==>	1
	577	1	0.167	0	==>	1
node_332 --> Lacerta viridis	7	1	0.069	1	==>	0
	23	1	0.158	2	==>	1
	39	3	0.080	1	==>	4
	56	1	0.190	1	==>	2
	114	1	0.148	3	==>	4
	128	1	0.167	2	-->	1
	244	1	0.333	0	==>	1
	273	1	0.063	0	==>	1
	375	1	0.065	2	==>	3
	385	1	0.067	1	-->	0
	439	1	0.118	1	==>	0
	455	2	0.148	2	==>	4
	489	1	0.111	0	==>	1
	513	1	0.083	1	==>	0
	562	1	0.111	1	==>	0
	572	1	0.058	2	==>	3
node_332 --> Takydromus ocell	13	1	0.067	1	-->	0
	57	1	0.190	1	==>	4
	62	1	0.111	0	==>	2
	138	1	0.500	0	==>	3
	185	1	0.067	1	==>	2
	188	1	0.080	2	==>	3
	213	1	0.048	1	==>	0
	258	1	0.081	1	-->	2
	413	1	0.033	1	==>	0
	419	1	0.073	3	==>	4
	443	1	0.167	0	==>	1
	445	1	0.300	1	==>	2
	470	1	0.125	0	==>	2
	572	1	0.058	2	==>	1
	593	1	0.231	2	==>	3
node_338 --> node_337	29	1	0.083	0	-->	1
	36	1	0.063	0	==>	1
	90	1	0.105	2	-->	1
	104	1	0.077	0	==>	1
	128	1	0.167	2	==>	3
	178	1	0.286	0	-->	1
	188	1	0.080	2	-->	1
	208	2	0.091	2	==>	0
	231	1	0.077	0	==>	1
	245	1	0.167	1	==>	0

	268	1	0.250	0	-->	1
	314	1	1.000	0	==>	1
	335	1	0.333	0	-->	1
	383	1	0.080	1	-->	2
	403	1	0.200	0	==>	1
	441	1	1.000	0	==>	1
	449	1	0.200	0	==>	1
	450	1	0.143	0	==>	1
	451	1	0.333	0	==>	1
	468	2	0.120	1	==>	3
	471	1	0.250	0	==>	2
	494	1	0.133	1	==>	0
	496	1	0.083	0	==>	1
	498	1	0.083	1	-->	0
	530	1	0.200	0	==>	1
	531	1	0.125	0	==>	1
	573	1	0.083	1	-->	0
	590	1	0.308	3	==>	4
	594	1	0.333	0	==>	1
	608	1	0.333	0	==>	1
	609	1	0.167	0	==>	1
node_337 --> node_333	4	1	0.143	0	==>	1
	5	1	0.167	0	==>	1
	10	1	0.087	0	==>	1
	11	1	0.105	0	==>	2
	39	1	0.080	1	-->	2
	56	1	0.190	1	==>	0
	69	1	0.333	0	==>	1
	94	1	0.063	0	==>	1
	108	2	0.125	0	==>	2
	135	1	0.600	0	==>	1
	138	1	0.500	0	==>	3
	149	1	0.087	2	==>	1
	168	1	0.065	0	==>	1
	226	1	1.000	0	==>	1
	249	1	0.231	0	==>	1
	338	1	0.143	0	==>	1
	364	1	0.105	0	==>	1
	384	1	0.097	1	==>	3
	419	1	0.073	3	==>	4
	445	1	0.300	1	==>	2
	461	1	0.300	0	==>	1
	487	1	0.222	0	-->	1
	497	1	0.048	0	-->	1
	521	1	0.067	0	-->	1
	606	1	1.000	0	==>	1
node_333 --> Colobosaura mode	18	1	0.053	1	==>	0
	49	2	0.089	0	==>	2
	76	1	0.333	0	==>	1
	90	1	0.105	1	-->	2
	161	1	0.125	0	==>	1

	252	1	0.200	0	==>	1
	283	1	0.133	1	==>	2
	291	1	0.053	1	==>	0
	328	1	0.054	0	==>	1
	388	1	0.105	1	==>	0
	439	1	0.118	1	==>	2
	593	1	0.231	2	==>	3
node_333 --> Pholidobolus mon	24	1	0.071	1	-->	0
	29	1	0.083	1	-->	0
	38	3	0.143	0	==>	3
	39	1	0.080	2	==>	3
	67	1	0.300	0	==>	1
	82	1	0.118	1	==>	2
	123	1	0.125	0	==>	1
	129	1	0.051	0	==>	1
	149	1	0.087	1	==>	0
	204	1	0.125	0	==>	1
	267	1	0.038	0	==>	1
	335	1	0.333	1	-->	0
	372	3	0.058	0	==>	3
	375	2	0.065	2	==>	0
	379	1	0.063	1	-->	0
	416	1	0.286	0	==>	1
	420	1	0.085	3	==>	2
	421	1	0.075	3	==>	2
	455	1	0.148	2	==>	1
	572	2	0.058	2	==>	0
node_337 --> node_336	7	1	0.069	1	==>	0
	23	1	0.158	2	==>	0
	37	1	0.059	1	-->	0
	39	1	0.080	1	==>	0
	56	1	0.190	1	==>	2
	58	1	0.222	0	-->	1
	78	1	0.571	1	==>	2
	87	1	0.200	0	-->	1
	90	1	0.105	1	==>	0
	109	1	0.750	0	-->	1
	114	1	0.148	3	-->	4
	155	1	0.133	1	==>	2
	233	1	1.000	0	==>	1
	258	1	0.081	1	==>	0
	261	1	0.200	0	==>	1
	271	1	0.167	0	-->	1
	273	1	0.063	0	==>	1
	281	1	0.167	0	==>	1
	294	1	0.091	0	==>	1
	317	1	0.250	1	==>	0
	360	1	0.125	2	==>	1
	368	1	0.182	0	-->	1
	369	1	0.100	1	-->	0
	375	1	0.065	2	-->	3

	385	1	0.067	1	-->	0
	412	1	0.111	0	==>	1
	462	1	0.071	0	==>	1
	502	1	0.091	1	-->	0
	508	1	0.143	1	==>	0
	512	1	0.091	1	==>	0
	514	1	0.083	0	==>	1
	519	1	0.077	0	-->	1
	526	1	0.143	0	-->	1
	554	1	0.167	0	==>	1
	593	2	0.231	2	==>	0
node_336 --> node_334	13	1	0.067	1	-->	0
	71	1	0.429	0	-->	1
	93	1	0.111	0	==>	1
	94	1	0.063	0	==>	2
	193	1	0.100	0	==>	1
	344	1	0.048	0	==>	1
	379	1	0.063	1	-->	0
	383	1	0.080	2	-->	1
	416	1	0.286	0	==>	1
	455	1	0.148	2	==>	1
	500	1	0.133	2	-->	0
	535	1	0.143	1	==>	2
node_334 --> Callopistes macu	18	1	0.053	1	==>	0
	109	1	0.750	1	-->	0
	114	1	0.148	4	-->	3
	185	1	0.067	1	==>	2
	271	1	0.167	1	-->	0
	340	1	0.095	0	==>	1
	394	1	0.087	2	==>	1
	418	1	0.083	0	==>	1
	420	1	0.085	3	==>	2
	485	1	0.250	0	==>	1
	501	1	0.100	1	==>	0
	504	1	0.125	1	==>	0
	509	1	0.158	1	==>	0
	519	1	0.077	1	-->	0
	572	2	0.058	2	==>	0
node_334 --> Tupinambis tegui	23	1	0.158	0	==>	1
	37	1	0.059	0	-->	1
	57	1	0.190	1	==>	4
	71	1	0.429	1	-->	2
	188	1	0.080	1	==>	0
	231	1	0.077	1	==>	0
	267	1	0.038	0	==>	1
	291	1	0.053	1	==>	0
	348	1	0.111	0	==>	1
	349	1	0.136	0	==>	1
	357	1	0.083	0	==>	1
	368	1	0.182	1	-->	0
	369	1	0.100	0	-->	1

	419	1	0.073	3	==>	4
	421	1	0.075	3	==>	2
	422	1	0.182	0	==>	2
	434	1	0.111	1	==>	2
	439	1	0.118	1	==>	2
	440	1	0.200	1	==>	2
	446	1	0.143	0	==>	1
	481	1	0.083	1	==>	0
	500	1	0.133	0	-->	1
	502	1	0.091	0	-->	1
	526	1	0.143	1	-->	0
node_336 --> node_335	24	1	0.071	1	-->	0
	64	1	0.167	0	-->	1
	96	1	0.222	0	==>	3
	130	1	0.500	0	==>	1
	162	1	0.333	1	==>	0
	165	1	0.200	1	==>	0
	188	1	0.080	1	-->	2
	498	1	0.083	0	-->	1
	511	1	0.143	1	==>	0
	591	1	0.250	1	==>	0
	595	1	0.333	1	==>	0
	602	1	0.267	2	==>	3
node_335 --> Aspidoscelis tig	62	1	0.111	0	==>	2
	87	1	0.200	1	-->	0
	148	1	0.091	0	==>	1
	216	1	0.222	0	==>	1
	375	2	0.065	3	==>	1
	418	1	0.083	0	==>	1
	443	1	0.167	0	==>	1
	492	1	0.111	0	==>	1
node_335 --> Teius teyou	18	1	0.053	1	==>	0
	48	1	0.103	3	==>	4
	128	1	0.167	3	==>	2
	154	1	0.077	1	==>	0
	212	1	0.182	0	==>	1
	231	1	0.077	1	==>	2
	341	1	0.033	0	==>	1
	348	1	0.111	0	==>	1
	355	1	0.059	0	==>	1
	401	1	0.077	1	==>	0
	413	1	0.033	1	==>	0
	419	1	0.073	3	==>	2
	420	1	0.085	3	==>	2
	421	1	0.075	3	==>	2
	450	1	0.143	1	==>	0
	494	1	0.133	0	==>	1
	572	1	0.058	2	==>	1
node_364 --> node_363	138	1	0.500	0	-->	2
	167	2	0.125	0	-->	2
	170	1	0.231	0	-->	2

	182	1	0.273	1	-->	2
	188	1	0.080	2	-->	3
	255	1	0.077	1	-->	0
	345	1	0.250	0	-->	1
	367	1	0.125	0	==>	1
	383	1	0.080	1	-->	0
	394	1	0.087	1	==>	0
	410	1	0.091	0	-->	1
	434	1	0.111	1	-->	2
	518	2	0.100	0	-->	2
	541	1	0.100	0	-->	1
	565	1	0.125	0	-->	1
	582	1	0.250	0	==>	1
node_363 --> node_362	590	1	0.308	2	-->	1
	95	1	0.083	0	==>	1
	149	2	0.087	2	==>	0
	157	1	0.125	1	-->	0
node_362 --> Paramacellodus	573	1	0.083	1	-->	0
	7	1	0.069	1	==>	2
	56	1	0.190	1	==>	0
	57	1	0.190	1	==>	0
	246	1	0.167	0	==>	1
node_362 --> node_361	421	1	0.075	3	==>	2
	108	2	0.125	0	==>	2
	123	1	0.125	0	==>	1
	255	1	0.077	0	-->	1
	267	1	0.038	0	-->	1
	369	1	0.100	0	==>	1
	375	1	0.065	2	-->	1
node_361 --> node_346	434	1	0.111	2	-->	0
	39	2	0.080	1	==>	3
	48	1	0.103	3	-->	4
	76	1	0.333	0	==>	2
	99	1	0.250	0	==>	1
	101	1	0.105	0	==>	1
	104	1	0.077	0	-->	1
	144	1	0.091	1	==>	0
	161	1	0.125	0	==>	1
	163	1	0.500	0	-->	2
	185	1	0.067	1	-->	2
	273	1	0.063	0	==>	1
	301	1	0.333	0	==>	1
	383	1	0.080	0	-->	1
	388	1	0.105	1	-->	0
	396	1	0.095	0	==>	1
node_346 --> node_342	508	1	0.143	1	-->	0
	7	1	0.069	1	-->	0
	24	1	0.071	0	-->	1
	25	1	0.118	0	-->	1
	49	3	0.089	0	==>	3
	62	1	0.111	0	==>	2

	82	1	0.118	1	-->	0
	88	1	0.125	1	-->	0
	135	1	0.600	0	-->	1
	137	1	0.077	0	-->	1
	141	1	0.250	0	-->	1
	164	1	0.333	0	-->	1
	212	1	0.182	0	-->	2
	213	1	0.048	1	-->	0
	220	1	0.375	1	-->	0
	229	1	0.500	0	-->	1
	231	1	0.077	0	-->	1
	245	1	0.167	1	-->	0
	271	1	0.167	0	-->	1
	282	1	1.000	0	==>	1
	283	1	0.133	1	==>	0
	307	1	0.125	0	-->	1
	308	1	0.250	0	==>	1
	328	1	0.054	1	-->	2
	372	2	0.058	0	==>	2
	375	1	0.065	1	==>	0
	385	1	0.067	1	==>	0
	403	1	0.200	0	==>	1
	410	1	0.091	1	-->	0
	434	1	0.111	0	-->	2
	443	1	0.167	0	-->	1
	447	1	0.083	0	-->	1
	452	1	0.235	0	-->	3
	468	1	0.120	1	-->	0
	484	1	0.100	0	-->	1
	531	1	0.125	0	==>	1
	579	1	0.182	1	-->	0
	582	1	0.250	1	==>	0
	598	1	0.500	0	-->	1
	610	1	0.050	0	-->	1
node_342 --> Tepexisaurus tep	49	1	0.089	3	==>	4
	163	1	0.500	2	-->	0
	369	1	0.100	1	==>	0
	383	1	0.080	1	-->	0
	419	1	0.073	3	==>	4
	420	1	0.085	3	==>	4
	557	1	0.125	0	==>	1
node_342 --> node_341	78	1	0.571	1	-->	2
	153	1	0.100	0	-->	1
	183	1	0.500	0	==>	1
	240	1	0.125	0	==>	2
	275	1	0.333	2	==>	3
	369	1	0.100	1	==>	2
	372	1	0.058	2	==>	3
	374	1	0.250	0	==>	2
	376	1	0.200	0	==>	1
	380	1	0.091	0	==>	1

	392	1	0.105	0	==>	1
	420	1	0.085	3	==>	2
	421	1	0.075	3	==>	2
node_341 --> node_340	11	1	0.105	0	-->	1
	143	2	0.200	0	==>	2
	202	1	0.500	0	-->	1
	244	1	0.333	0	==>	1
	316	1	0.200	1	-->	0
	341	1	0.033	0	==>	1
	418	2	0.083	0	==>	2
	513	1	0.083	1	-->	0
node_340 --> node_339	78	1	0.571	2	-->	1
	82	1	0.118	0	-->	1
	95	1	0.083	1	==>	0
	123	1	0.125	1	==>	0
	153	1	0.100	1	-->	0
	155	1	0.133	1	==>	2
	163	1	0.500	2	-->	0
	240	1	0.125	2	==>	1
	324	1	0.300	0	==>	1
	334	1	0.167	1	==>	0
	385	1	0.067	0	==>	1
	403	1	0.200	1	==>	0
	434	1	0.111	2	==>	0
node_339 --> Cricosaura typic	10	2	0.087	0	==>	2
	11	1	0.105	1	-->	0
	18	1	0.053	1	==>	2
	29	1	0.083	0	==>	1
	36	1	0.063	0	==>	1
	38	3	0.143	0	==>	3
	77	1	0.083	0	==>	1
	88	1	0.125	0	==>	1
	129	1	0.051	0	==>	1
	141	1	0.250	1	==>	2
	161	1	0.125	1	==>	0
	164	1	0.333	1	==>	0
	202	1	0.500	1	-->	0
	229	1	0.500	1	-->	0
	301	1	0.333	1	==>	0
	390	1	0.100	2	==>	1
	413	1	0.033	1	==>	0
	418	1	0.083	2	-->	1
	421	1	0.075	2	==>	3
	484	1	0.100	1	-->	0
	500	1	0.133	2	==>	1
	531	1	0.125	1	==>	0
	542	1	0.273	0	==>	2
	610	1	0.050	1	-->	0
node_339 --> Xantusia vigilis	8	1	0.182	0	==>	2
	49	1	0.089	3	==>	2
	57	1	0.190	1	==>	0

	82	1	0.118	1	==>	2
	104	1	0.077	1	==>	0
	185	2	0.067	2	==>	4
	452	1	0.235	3	==>	2
	497	1	0.048	0	==>	1
	541	1	0.100	1	-->	0
	565	1	0.125	1	-->	0
	588	1	0.167	0	==>	1
node_340 --> Palaeoxantusia s	185	2	0.067	2	==>	0
	212	1	0.182	2	==>	1
	572	1	0.058	2	==>	3
node_341 --> Lepidophyma flav	18	1	0.053	1	==>	2
	23	1	0.158	2	==>	0
	25	1	0.118	1	==>	2
	39	1	0.080	3	==>	4
	50	1	0.167	0	==>	1
	51	1	0.200	0	==>	1
	56	1	0.190	1	==>	2
	89	1	0.500	0	==>	1
	116	1	0.300	1	==>	0
	120	2	0.130	0	==>	2
	182	1	0.273	2	==>	1
	188	1	0.080	3	==>	4
	204	1	0.125	0	==>	1
	258	1	0.081	3	==>	2
	271	1	0.167	1	==>	2
	291	1	0.053	1	-->	0
	324	1	0.300	0	==>	3
	325	1	0.091	0	==>	1
	338	1	0.143	0	==>	1
	379	1	0.063	0	==>	1
	502	1	0.091	1	==>	0
	562	1	0.111	1	==>	0
	572	2	0.058	2	==>	0
node_346 --> node_345	37	1	0.059	1	-->	0
	77	1	0.083	0	==>	1
	97	2	0.250	0	==>	2
	108	1	0.125	2	-->	1
	114	1	0.148	3	==>	4
	157	1	0.125	0	==>	1
	328	1	0.054	1	-->	0
	344	1	0.048	0	-->	1
	470	1	0.125	0	-->	1
	518	1	0.100	2	-->	1
	541	1	0.100	1	-->	0
	554	1	0.167	0	-->	1
	565	1	0.125	1	-->	0
	575	1	0.167	0	==>	1
	577	1	0.167	0	-->	1
	578	1	0.167	0	==>	2
node_345 --> node_343	6	1	0.100	0	==>	1

	7	1	0.069	1	==>	2
	78	1	0.571	1	==>	2
	82	1	0.118	1	==>	2
	204	1	0.125	0	==>	1
	208	1	0.091	2	==>	1
	241	1	0.667	2	==>	3
	244	1	0.333	0	==>	1
	369	1	0.100	1	==>	2
	399	1	0.063	1	==>	0
	405	1	0.250	0	==>	1
	406	1	0.143	0	==>	1
	453	1	0.250	0	-->	1
	483	1	0.120	1	==>	0
	500	1	0.133	2	==>	0
	501	1	0.100	1	==>	0
	592	1	0.667	2	==>	1
node_343 --> Platysaurus impe	8	1	0.182	0	==>	2
	23	1	0.158	2	==>	0
	37	1	0.059	0	-->	1
	48	1	0.103	4	-->	3
	104	1	0.077	1	-->	0
	461	1	0.300	0	==>	1
	511	1	0.143	1	==>	0
	513	1	0.083	1	==>	0
	521	1	0.067	1	==>	0
	579	1	0.182	1	-->	0
node_343 --> Cordylus mossamb	11	1	0.105	0	==>	2
	18	1	0.053	1	==>	2
	36	1	0.063	0	==>	1
	63	2	0.286	0	==>	2
	108	1	0.125	1	-->	2
	111	1	0.222	0	==>	1
	188	1	0.080	3	==>	2
	206	1	0.091	0	==>	1
	283	1	0.133	1	==>	0
	291	1	0.053	1	-->	0
	334	1	0.167	1	==>	0
	375	1	0.065	1	-->	2
	396	1	0.095	1	==>	0
	434	1	0.111	0	-->	2
	535	1	0.143	1	==>	2
	580	1	0.333	0	==>	1
	610	1	0.050	0	==>	1
node_345 --> node_344	94	1	0.063	0	==>	1
	99	1	0.250	1	==>	2
	185	1	0.067	2	-->	1
	267	1	0.038	1	-->	0
	325	1	0.091	0	==>	1
	394	1	0.087	0	==>	1
	446	1	0.143	0	-->	1
	455	2	0.148	2	==>	4

	485	1	0.250	0	-->	1
	508	1	0.143	0	-->	1
	519	1	0.077	0	-->	1
	542	1	0.273	0	-->	2
	573	1	0.083	0	==>	1
	577	1	0.167	1	-->	2
	580	1	0.333	0	==>	2
node_344 --> Zonosaurus ornat	13	1	0.067	0	==>	1
	49	3	0.089	0	==>	3
	104	1	0.077	1	-->	0
	193	1	0.100	0	==>	1
	231	1	0.077	0	==>	1
	291	1	0.053	1	-->	0
	375	1	0.065	1	-->	2
	384	1	0.097	1	==>	2
	385	1	0.067	1	==>	0
	421	1	0.075	3	==>	2
	434	1	0.111	0	-->	1
node_344 --> Cordylosaurus su	57	1	0.190	1	==>	0
	108	1	0.125	1	==>	0
	123	1	0.125	1	==>	0
	124	1	0.077	0	==>	1
	128	2	0.167	1	==>	3
	252	1	0.200	0	==>	1
	283	1	0.133	1	==>	2
	286	1	0.111	0	==>	1
	340	1	0.095	0	==>	1
	392	1	0.105	0	==>	1
	396	1	0.095	1	==>	2
	413	1	0.033	1	==>	0
	418	1	0.083	0	==>	1
	440	1	0.200	1	==>	2
	452	1	0.235	0	==>	1
	470	1	0.125	1	-->	0
	471	1	0.250	0	==>	2
	579	1	0.182	1	-->	2
	587	1	0.100	1	==>	0
node_361 --> node_360	1	1	0.167	1	==>	0
	66	1	0.286	0	-->	1
	67	1	0.300	0	==>	1
	82	1	0.118	1	==>	2
	154	1	0.077	1	-->	0
	160	1	0.143	0	==>	1
	228	1	0.500	0	-->	2
	275	1	0.333	2	==>	1
	340	1	0.095	0	-->	1
	413	1	0.033	1	-->	0
	452	1	0.235	0	-->	1
	475	1	0.300	1	-->	2
	487	1	0.222	0	-->	1
	513	1	0.083	1	-->	0

	525	1	0.167	0	-->	1
	579	1	0.182	1	-->	2
	580	1	0.333	0	-->	2
	593	1	0.231	2	-->	1
	596	1	0.333	1	-->	0
	601	1	1.000	0	-->	1
	607	1	0.250	1	-->	0
node_360 --> node_347	6	1	0.100	0	==>	1
	7	1	0.069	1	==>	2
	22	1	0.111	1	-->	0
	23	1	0.158	2	==>	0
	36	1	0.063	0	==>	1
	42	1	0.500	0	==>	1
	62	1	0.111	0	==>	2
	95	1	0.083	1	==>	0
	137	1	0.077	0	==>	1
	167	2	0.125	2	-->	0
	168	1	0.065	0	-->	1
	254	1	0.182	1	-->	2
	399	1	0.063	1	==>	0
	410	1	0.091	1	-->	0
	419	1	0.073	3	-->	4
node_347 --> Myrmecodaptia m	155	1	0.133	1	==>	2
	357	1	0.083	0	==>	1
node_347 --> Carusia intermed	48	2	0.103	3	==>	1
	94	1	0.063	0	==>	2
	375	1	0.065	1	-->	2
	383	1	0.080	0	==>	1
	403	1	0.200	0	==>	1
	572	1	0.058	2	==>	3
node_360 --> node_359	67	1	0.300	1	==>	2
	76	1	0.333	0	==>	1
	94	1	0.063	0	==>	1
	97	1	0.250	0	==>	1
	128	1	0.167	1	==>	2
	249	1	0.231	0	-->	1
	267	1	0.038	1	-->	0
	418	1	0.083	0	-->	1
	581	1	1.000	0	-->	1
node_359 --> node_349	29	1	0.083	0	==>	1
	56	1	0.190	1	==>	2
	108	2	0.125	2	==>	0
	124	1	0.077	0	==>	1
	156	1	0.333	0	==>	1
	185	1	0.067	1	-->	0
	312	1	0.222	0	-->	1
	341	1	0.033	0	-->	1
	369	1	0.100	1	==>	0
	379	1	0.063	0	==>	1
	408	1	0.500	0	-->	1
	419	1	0.073	3	==>	2

	421	1	0.075	3	-->	2
	434	1	0.111	0	-->	2
node_349 --> Globaura venusta	7	1	0.069	1	==>	2
	36	1	0.063	0	==>	1
	375	1	0.065	1	-->	2
	385	1	0.067	1	==>	0
node_349 --> node_348	7	1	0.069	1	-->	0
	24	1	0.071	0	-->	1
	49	2	0.089	0	==>	2
	240	1	0.125	0	-->	1
	420	1	0.085	3	-->	2
node_348 --> Hymenosaurus cla	49	2	0.089	2	==>	4
	129	1	0.051	0	==>	1
	383	1	0.080	0	==>	1
	384	1	0.097	1	==>	2
	390	2	0.100	2	==>	0
node_348 --> Eoxanta lacertif	38	1	0.143	0	==>	1
	94	1	0.063	1	==>	0
	95	1	0.083	1	==>	0
	97	1	0.250	1	==>	0
	267	1	0.038	0	==>	1
	273	1	0.063	0	==>	1
	408	1	0.500	1	-->	0
node_359 --> node_358	18	1	0.053	1	==>	2
	39	1	0.080	1	==>	2
	48	1	0.103	3	-->	4
	67	1	0.300	2	-->	3
	69	1	0.333	0	==>	1
	154	1	0.077	0	-->	1
	157	1	0.125	0	==>	1
	161	1	0.125	0	==>	1
	178	1	0.286	0	-->	1
	231	1	0.077	0	==>	1
	249	1	0.231	1	-->	2
	278	1	0.500	0	==>	1
	291	1	0.053	1	-->	0
	402	1	0.167	0	-->	1
	573	1	0.083	0	==>	1
	575	1	0.167	0	==>	2
	577	1	0.167	0	==>	2
	578	1	0.167	0	==>	2
node_358 --> Plestiodon fasci	7	1	0.069	1	==>	0
	49	2	0.089	0	==>	2
	77	1	0.083	0	==>	1
	308	1	0.250	0	==>	1
	375	1	0.065	1	-->	2
	413	1	0.033	0	-->	1
	418	1	0.083	1	-->	0
	481	1	0.083	0	==>	1
	497	1	0.048	0	==>	1
node_358 --> node_357	23	1	0.158	2	-->	0

	62	1	0.111	0	-->	2
	129	1	0.051	0	==>	1
	188	1	0.080	3	-->	2
	240	1	0.125	0	==>	2
	455	1	0.148	2	==>	3
	461	1	0.300	0	==>	1
	485	1	0.250	0	==>	1
	535	1	0.143	1	==>	2
	593	1	0.231	1	==>	0
node_357 --> Scincus	3	2	0.182	0	==>	2
	24	1	0.071	0	==>	1
	67	1	0.300	3	-->	2
	149	1	0.087	0	==>	1
	154	1	0.077	1	-->	0
	188	1	0.080	2	==>	1
	228	1	0.500	2	==>	0
	254	1	0.182	1	==>	0
	355	1	0.059	0	==>	1
	390	2	0.100	2	==>	0
	402	1	0.167	1	-->	0
	412	1	0.111	0	==>	1
	419	1	0.073	3	==>	2
	421	1	0.075	3	==>	2
	502	1	0.091	1	==>	0
	521	1	0.067	1	==>	0
	543	1	0.500	0	==>	2
	544	1	1.000	0	==>	3
	546	1	0.100	1	==>	0
	567	1	1.000	0	==>	2
node_357 --> node_356	128	1	0.167	2	==>	3
	144	1	0.091	1	==>	0
	251	1	0.333	0	==>	1
	267	1	0.038	0	==>	1
	283	1	0.133	1	==>	2
	340	1	0.095	1	-->	0
	369	1	0.100	1	-->	2
	452	1	0.235	1	-->	3
	455	1	0.148	3	-->	4
	525	1	0.167	1	-->	0
node_356 --> node_352	39	1	0.080	2	-->	3
	62	1	0.111	2	-->	0
	90	1	0.105	2	==>	1
	114	1	0.148	3	-->	4
	129	1	0.051	1	==>	2
	157	1	0.125	1	-->	0
	456	1	0.190	0	-->	1
	468	1	0.120	1	==>	0
	488	1	0.133	0	-->	1
	497	1	0.048	0	-->	1
	541	1	0.100	1	-->	0
	542	1	0.273	0	-->	1

	565	1	0.125	1	-->	0
	610	1	0.050	0	-->	1
node_352 --> node_350	23	1	0.158	0	-->	2
	240	1	0.125	2	==>	1
	384	1	0.097	1	==>	2
	413	1	0.033	0	==>	1
node_350 --> Brachymeles grac	7	1	0.069	1	==>	0
	62	1	0.111	0	-->	2
	67	1	0.300	3	-->	2
	104	1	0.077	0	==>	1
	128	1	0.167	3	==>	2
	185	1	0.067	1	==>	2
	345	1	0.250	1	==>	0
	348	1	0.111	0	==>	1
	452	1	0.235	3	-->	1
	456	1	0.190	1	-->	0
	470	1	0.125	0	==>	1
	485	1	0.250	1	==>	0
	525	1	0.167	0	-->	1
	529	1	0.286	1	==>	0
	543	1	0.500	0	==>	1
	546	1	0.100	1	==>	0
	566	1	0.444	0	==>	2
	584	1	0.188	1	==>	2
node_350 --> Amphiglossus spl	212	1	0.182	0	==>	1
	231	1	0.077	1	==>	0
	328	1	0.054	1	-->	0
	340	1	0.095	0	==>	1
	349	1	0.136	0	==>	1
	488	1	0.133	1	-->	0
	494	1	0.133	1	==>	0
	498	1	0.083	1	==>	0
	513	1	0.083	0	==>	1
	535	1	0.143	2	==>	1
	542	1	0.273	1	-->	3
node_352 --> node_351	68	1	0.077	0	-->	1
	123	1	0.125	1	-->	0
	143	2	0.200	0	-->	2
	155	1	0.133	1	-->	2
	180	1	0.250	0	==>	1
	191	1	0.167	0	==>	1
	192	1	0.250	0	==>	1
	194	1	0.600	0	==>	2
	216	1	0.222	0	==>	1
	231	1	0.077	1	==>	2
	273	1	0.063	0	==>	1
	291	1	0.053	0	==>	1
	307	1	0.125	0	-->	1
	311	1	0.286	0	==>	1
	312	1	0.222	0	==>	1
	316	1	0.200	1	==>	0

324	1	0.300	0	==>	1	
350	1	0.333	0	==>	1	
388	1	0.105	1	==>	0	
419	1	0.073	3	==>	2	
420	1	0.085	3	==>	2	
421	1	0.075	3	==>	2	
445	1	0.300	1	==>	0	
446	1	0.143	0	==>	1	
456	2	0.190	1	==>	3	
462	1	0.071	0	==>	1	
463	1	0.108	2	==>	1	
480	1	0.200	0	==>	1	
490	1	0.500	0	-->	1	
495	1	0.125	1	-->	0	
500	1	0.133	2	-->	0	
501	1	0.100	1	-->	0	
502	1	0.091	1	-->	0	
503	1	0.286	1	-->	2	
504	1	0.125	1	-->	0	
505	1	0.167	0	==>	1	
528	1	0.200	0	==>	1	
548	1	0.100	0	==>	1	
572	1	0.058	2	==>	1	
573	1	0.083	1	==>	0	
586	1	0.333	0	-->	1	
594	1	0.333	0	-->	1	
node_351 --> Acontias perciva	4	1	0.143	0	==>	1
18	1	0.053	2	==>	1	
38	2	0.143	0	==>	2	
50	1	0.167	0	==>	1	
94	1	0.063	1	==>	2	
97	1	0.250	1	==>	0	
101	1	0.105	0	==>	1	
114	1	0.148	4	-->	3	
160	1	0.143	1	==>	0	
185	1	0.067	1	==>	0	
206	1	0.091	0	==>	1	
286	1	0.111	0	==>	1	
294	1	0.091	0	==>	1	
307	1	0.125	1	-->	2	
312	1	0.222	1	==>	2	
328	1	0.054	1	==>	2	
333	1	0.333	0	==>	1	
341	1	0.033	0	==>	1	
372	3	0.058	0	==>	3	
375	1	0.065	1	==>	0	
390	2	0.100	2	==>	0	
440	1	0.200	1	==>	0	
459	3	0.182	0	==>	3	
487	1	0.222	1	==>	0	
488	1	0.133	1	==>	2	

	499	1	0.143	0	==>	1
	572	1	0.058	1	==>	0
node_351 -->	Feylinia polylep	1	0.167	0	==>	1
	17	1	0.167	0	==>	1
	28	1	0.143	0	==>	1
	39	1	0.080	3	-->	2
	54	1	0.333	0	==>	1
	90	1	0.105	1	==>	0
	104	1	0.077	0	==>	1
	124	1	0.077	0	==>	1
	137	1	0.077	0	==>	1
	142	1	0.250	0	==>	1
	188	1	0.080	2	==>	3
	193	1	0.100	0	==>	1
	212	1	0.182	0	==>	1
	249	1	0.231	2	==>	3
	261	1	0.200	0	==>	1
	271	1	0.167	0	==>	1
	276	1	0.118	0	==>	1
	293	1	0.143	0	==>	1
	345	1	0.250	1	==>	0
	383	1	0.080	0	==>	1
	392	1	0.105	0	==>	1
	418	1	0.083	1	==>	2
	422	1	0.182	0	==>	1
	427	1	0.100	0	==>	1
	461	1	0.300	1	==>	2
	471	1	0.250	0	==>	1
	487	2	0.222	1	==>	3
	510	1	0.143	0	==>	1
	516	1	0.143	0	==>	1
node_356 -->	node_355	7	0.069	1	==>	0
	36	1	0.063	0	==>	1
	39	1	0.080	2	==>	1
	77	1	0.083	0	==>	1
	185	1	0.067	1	-->	2
	212	1	0.182	0	==>	2
	249	1	0.231	2	==>	3
	251	1	0.333	1	==>	2
	328	1	0.054	1	-->	0
	349	2	0.136	0	==>	2
	372	3	0.058	0	==>	3
	418	1	0.083	1	-->	0
	492	1	0.111	0	-->	1
	554	1	0.167	0	-->	1
node_355 -->	Trachylepis quin	48	0.103	4	==>	3
	129	1	0.051	1	==>	0
	154	1	0.077	1	-->	0
	240	1	0.125	2	==>	1
	291	1	0.053	0	==>	1
	355	1	0.059	0	==>	1

	369	1	0.100	2	-->	1
	384	1	0.097	1	==>	2
	385	1	0.067	1	==>	0
	443	1	0.167	0	==>	1
	455	2	0.148	4	==>	2
	487	1	0.222	1	==>	0
	561	1	0.154	0	==>	1
	573	1	0.083	1	==>	0
node_355 --> node_354	23	1	0.158	0	-->	2
	97	1	0.250	1	-->	0
	258	1	0.081	3	==>	2
	375	1	0.065	1	==>	0
	402	1	0.167	1	-->	0
	461	1	0.300	1	==>	2
	513	1	0.083	0	==>	1
node_354 --> node_353	602	1	0.267	0	-->	1
	18	1	0.053	2	==>	1
	114	1	0.148	3	==>	4
	129	1	0.051	1	==>	2
	231	1	0.077	1	==>	2
	328	1	0.054	0	-->	1
	341	1	0.033	0	==>	1
	413	1	0.033	0	==>	1
	542	1	0.273	0	==>	2
node_353 --> Sphenomorphus so	610	1	0.050	0	-->	1
	38	1	0.143	0	==>	1
	49	3	0.089	0	==>	3
	62	1	0.111	2	==>	0
	77	1	0.083	1	==>	0
	97	1	0.250	0	-->	1
	178	1	0.286	1	==>	0
	335	1	0.333	0	==>	1
	383	1	0.080	0	==>	1
	418	1	0.083	0	==>	1
	440	1	0.200	1	==>	2
	455	2	0.148	4	==>	2
	481	1	0.083	0	==>	1
	488	1	0.133	0	==>	1
	497	1	0.048	0	==>	1
	531	1	0.125	0	==>	1
	535	1	0.143	2	==>	1
node_353 --> Tiliqua scincoid	593	1	0.231	0	==>	1
	4	1	0.143	0	==>	1
	18	1	0.053	1	==>	0
	94	1	0.063	1	==>	0
	120	1	0.130	0	==>	1
	137	1	0.077	0	==>	1
	153	1	0.100	0	==>	1
	154	1	0.077	1	-->	0
	175	1	0.333	0	==>	1
	193	1	0.100	0	==>	1

	258	2	0.081	2	==>	0
	261	1	0.200	0	==>	1
	271	1	0.167	0	==>	1
	338	1	0.143	0	==>	1
	361	4	0.160	4	==>	0
	364	1	0.105	0	==>	1
	367	1	0.125	1	==>	2
	384	1	0.097	1	==>	2
	390	1	0.100	2	==>	1
	410	1	0.091	1	==>	0
	420	1	0.085	3	==>	2
	421	1	0.075	3	==>	2
	456	1	0.190	0	==>	1
	566	1	0.444	0	==>	2
	573	1	0.083	1	==>	0
	602	1	0.267	1	-->	0
node_354 --> Eugongylus rufes	1	1	0.167	0	==>	1
	95	1	0.083	1	==>	0
	206	1	0.091	0	==>	1
	240	1	0.125	2	==>	0
	344	1	0.048	0	==>	1
	349	1	0.136	2	-->	1
	419	1	0.073	3	==>	4
	492	1	0.111	1	-->	0
	554	1	0.167	1	-->	0
node_363 --> Parmeosaurus scu	49	3	0.089	0	==>	3
	64	1	0.167	0	==>	1
	90	2	0.105	2	==>	0
	97	1	0.250	0	==>	1
	361	1	0.160	4	==>	3
	375	1	0.065	2	==>	3
	401	1	0.077	1	==>	0
	575	1	0.167	0	==>	2
	577	1	0.167	0	==>	2
	578	1	0.167	0	==>	2
node_379 --> node_378	38	1	0.143	0	==>	1
	39	1	0.080	2	-->	3
	88	1	0.125	1	==>	0
	128	1	0.167	1	-->	2
	135	1	0.600	0	-->	1
	154	1	0.077	1	-->	0
	161	1	0.125	0	==>	1
	178	1	0.286	1	-->	2
	185	3	0.067	1	-->	4
	187	1	0.500	2	-->	1
	201	1	0.250	1	-->	0
	204	1	0.125	0	-->	1
	206	1	0.091	0	-->	1
	208	1	0.091	1	-->	0
	234	1	0.600	0	-->	1
	267	1	0.038	0	-->	1

	297	1	0.100	1	-->	0
	308	1	0.250	0	-->	1
	309	1	0.333	0	-->	1
	315	1	0.071	1	-->	0
	316	1	0.200	1	-->	0
	321	1	0.231	0	-->	3
	328	1	0.054	1	-->	2
	347	1	0.500	0	-->	1
	419	1	0.073	3	==>	4
	420	1	0.085	3	==>	4
	421	1	0.075	3	-->	4
	470	1	0.125	3	==>	2
	475	1	0.300	1	-->	0
	479	1	0.250	0	-->	1
	514	1	0.083	0	-->	1
	518	1	0.100	0	-->	1
	525	1	0.167	0	-->	1
	562	1	0.111	1	-->	0
	584	1	0.188	1	-->	0
	588	1	0.167	0	-->	1
	597	1	1.000	0	-->	1
	598	1	0.500	0	-->	1
node_378 --> Eichstaettisauru	1	1	0.167	1	==>	0
	18	1	0.053	0	==>	1
	48	2	0.103	3	==>	1
	168	1	0.065	0	==>	1
	375	1	0.065	2	==>	3
	413	1	0.033	1	-->	0
	521	1	0.067	1	==>	0
	557	1	0.125	0	==>	1
node_378 --> node_377	95	1	0.083	0	==>	1
	137	1	0.077	0	-->	1
	138	1	0.500	0	-->	2
	158	1	0.333	0	==>	1
	159	1	0.333	0	-->	1
	241	1	0.667	2	-->	3
	369	1	0.100	0	-->	1
	489	1	0.111	0	-->	1
	535	1	0.143	1	-->	2
node_377 --> AMNH FR 21444	57	1	0.190	1	==>	0
	112	1	0.167	0	==>	1
node_377 --> node_376	36	1	0.063	0	==>	1
	38	2	0.143	1	==>	3
	43	1	0.375	0	-->	1
	68	1	0.077	0	==>	1
	70	1	0.667	0	-->	1
	104	1	0.077	0	==>	1
	128	1	0.167	2	==>	3
	129	1	0.051	0	-->	1
	141	1	0.250	0	==>	1
	149	1	0.087	2	-->	1

node_376 --> node_366

152	2	0.400	0	==>	2
273	1	0.063	0	-->	1
283	1	0.133	1	==>	2
286	1	0.111	0	-->	1
347	1	0.500	1	==>	2
372	3	0.058	0	==>	3
375	2	0.065	2	==>	0
380	1	0.091	0	==>	1
384	1	0.097	1	-->	0
385	1	0.067	0	-->	1
10	1	0.087	0	==>	1
23	1	0.158	0	-->	1
49	2	0.089	0	-->	2
54	1	0.333	0	==>	1
94	1	0.063	0	==>	2
129	1	0.051	1	==>	2
143	1	0.200	0	-->	1
144	1	0.091	1	-->	0
166	1	0.091	0	==>	1
237	1	1.000	0	==>	1
258	1	0.081	3	==>	2
275	1	0.333	0	-->	3
307	1	0.125	0	==>	1
308	1	0.250	1	-->	0
309	1	0.333	1	-->	0
321	1	0.231	3	-->	0
328	2	0.054	2	-->	0
334	1	0.167	1	==>	0
364	2	0.105	0	==>	2
369	1	0.100	1	==>	2
422	1	0.182	0	==>	1
427	1	0.100	0	==>	1
456	2	0.190	0	-->	2
459	3	0.182	0	-->	3
462	1	0.071	0	-->	1
463	1	0.108	2	-->	1
468	1	0.120	1	-->	0
483	2	0.120	1	-->	3
484	1	0.100	0	-->	1
488	1	0.133	0	-->	1
493	1	0.200	1	-->	0
495	1	0.125	1	-->	0
505	1	0.167	0	==>	1
518	1	0.100	1	-->	2
524	1	0.200	0	-->	1
528	1	0.200	0	-->	1
549	1	0.250	0	-->	1
550	1	0.200	0	-->	1
551	1	0.167	0	-->	1
552	1	0.500	0	-->	1
553	1	0.200	0	-->	1

	554	1	0.167	0	-->	2
	602	2	0.267	0	-->	2
node_366 --> Delma borea	7	1	0.069	0	==>	1
	13	1	0.067	0	==>	1
	23	1	0.158	1	-->	2
	43	1	0.375	1	-->	0
	57	1	0.190	1	==>	4
	101	1	0.105	0	==>	1
	108	2	0.125	0	==>	2
	124	1	0.077	0	==>	1
	188	1	0.080	2	==>	3
	294	1	0.091	0	==>	1
	312	1	0.222	0	==>	1
	361	1	0.160	4	==>	3
	413	1	0.033	1	-->	0
	418	1	0.083	0	==>	1
	420	1	0.085	4	==>	3
	584	1	0.188	0	-->	1
node_366 --> Lialis burtonis	4	1	0.143	0	==>	1
	18	2	0.053	0	==>	2
	37	1	0.059	0	==>	1
	70	1	0.667	1	-->	0
	88	1	0.125	0	==>	1
	114	1	0.148	3	==>	4
	142	1	0.250	0	==>	1
	188	1	0.080	2	==>	1
	249	1	0.231	0	==>	1
	273	1	0.063	1	-->	0
	286	1	0.111	1	-->	0
	324	1	0.300	0	==>	1
	325	1	0.091	0	==>	1
	355	1	0.059	0	==>	1
	399	1	0.063	0	==>	1
node_376 --> node_375	43	2	0.375	1	==>	3
	111	1	0.222	0	-->	1
	205	1	0.333	1	-->	0
	220	1	0.375	1	-->	0
	292	1	0.500	0	==>	1
	341	1	0.033	0	==>	1
	384	1	0.097	0	-->	3
	443	1	0.167	0	==>	1
	452	1	0.235	0	==>	2
	455	2	0.148	4	==>	2
	467	1	0.333	1	==>	0
	500	1	0.133	0	==>	2
	501	1	0.100	0	==>	1
	502	1	0.091	1	==>	0
node_375 --> Strophurus cilia	22	1	0.111	1	==>	0
	29	1	0.083	0	==>	1
	57	1	0.190	1	==>	0
	58	1	0.222	1	==>	2

	108	2	0.125	0	==>	2
	149	1	0.087	1	-->	2
	190	1	0.250	0	==>	1
	275	1	0.333	0	==>	2
	375	1	0.065	0	-->	1
	394	1	0.087	1	==>	2
	439	1	0.118	1	==>	0
	479	1	0.250	1	-->	0
	506	1	0.250	0	==>	1
	512	1	0.091	0	==>	1
	518	1	0.100	1	-->	0
	541	1	0.100	0	==>	1
	554	1	0.167	0	==>	1
	565	1	0.125	0	==>	1
node_375 --> node_374	13	1	0.067	0	==>	1
	37	1	0.059	0	-->	1
	39	1	0.080	3	-->	2
	129	1	0.051	1	-->	0
	187	1	0.500	1	-->	2
	188	1	0.080	2	-->	3
	215	1	0.091	0	-->	1
	252	1	0.200	0	==>	1
	309	1	0.333	1	-->	2
	409	1	0.333	0	-->	1
	489	1	0.111	1	-->	0
	494	1	0.133	1	==>	0
	498	1	0.083	1	==>	0
	539	1	0.500	1	==>	0
node_374 --> node_367	50	1	0.167	0	==>	1
	70	1	0.667	1	==>	2
	94	1	0.063	0	-->	2
	114	1	0.148	3	==>	4
	168	2	0.065	0	==>	2
	193	1	0.100	0	==>	1
	468	1	0.120	1	-->	0
node_367 --> Rhacodactylus au	18	1	0.053	0	==>	1
	49	1	0.089	0	==>	1
	149	1	0.087	1	==>	0
	185	2	0.067	4	==>	2
	215	1	0.091	1	-->	0
	275	1	0.333	0	==>	1
	375	1	0.065	0	-->	1
	413	1	0.033	1	==>	0
	419	1	0.073	4	==>	3
	420	1	0.085	4	==>	3
	421	1	0.075	4	==>	3
	509	1	0.158	1	==>	2
	521	1	0.067	1	==>	0
	541	1	0.100	0	==>	1
	557	1	0.125	0	==>	1
node_367 --> Saltuarius cornu	1	1	0.167	1	==>	0

	7	2	0.069	0	==>	2
	11	1	0.105	0	==>	2
	23	1	0.158	0	==>	1
	37	1	0.059	1	-->	0
	39	1	0.080	2	-->	3
	148	1	0.091	0	==>	1
	149	1	0.087	1	-->	2
	158	1	0.333	1	==>	0
	286	1	0.111	1	-->	0
	384	1	0.097	3	==>	0
	394	1	0.087	1	==>	2
	483	1	0.120	1	==>	2
	486	1	0.400	2	==>	3
	496	1	0.083	0	==>	1
	506	1	0.250	0	==>	1
	514	1	0.083	1	-->	0
	547	1	0.250	0	==>	1
	569	1	0.333	0	==>	1
	572	2	0.058	0	==>	2
node_374 -->	39	1	0.080	2	==>	1
node_373	43	1	0.375	3	-->	2
	88	1	0.125	0	==>	1
	111	1	0.222	1	-->	0
	205	1	0.333	0	-->	1
	208	1	0.091	0	==>	1
	213	1	0.048	0	==>	1
	225	1	0.500	0	==>	1
	321	1	0.231	3	-->	0
node_373 -->	22	1	0.111	1	==>	0
node_369	43	1	0.375	2	==>	1
	95	1	0.083	1	-->	0
	128	1	0.167	3	==>	4
	159	1	0.333	1	==>	0
	167	2	0.125	0	==>	2
	170	1	0.231	0	==>	2
	190	1	0.250	0	==>	1
	251	2	0.333	0	-->	2
	286	1	0.111	1	-->	0
	380	1	0.091	1	-->	0
	409	1	0.333	1	-->	0
	450	1	0.143	0	==>	1
	467	1	0.333	0	==>	1
	489	1	0.111	0	-->	1
	494	1	0.133	0	-->	2
	497	1	0.048	0	-->	1
	514	1	0.083	1	-->	0
	515	1	0.250	0	==>	1
node_369 -->	7	2	0.069	0	==>	2
Aeluroscalobates	118	1	0.143	0	==>	1
	149	1	0.087	1	==>	0
	188	1	0.080	3	-->	2

	201	1	0.250	0	==>	1
	341	1	0.033	1	==>	0
	347	1	0.500	2	==>	1
	351	1	0.375	0	==>	1
	402	1	0.167	0	==>	1
	462	1	0.071	0	==>	1
	479	1	0.250	1	-->	0
	483	1	0.120	1	==>	2
	500	1	0.133	2	==>	0
	508	1	0.143	1	==>	0
	509	1	0.158	1	==>	2
node_369 --> node_368	43	1	0.375	1	==>	0
	137	1	0.077	1	==>	0
	215	1	0.091	1	-->	0
	273	1	0.063	1	==>	0
	309	1	0.333	2	-->	1
	418	1	0.083	0	==>	1
	557	1	0.125	0	==>	1
	585	1	0.250	1	-->	0
	588	1	0.167	1	==>	0
node_368 --> Coleonyx variega	29	1	0.083	0	==>	1
	95	1	0.083	0	-->	1
	124	1	0.077	0	==>	1
	166	1	0.091	0	==>	1
	188	1	0.080	3	==>	4
	380	1	0.091	0	-->	1
	409	1	0.333	0	-->	1
	439	1	0.118	1	==>	0
	518	1	0.100	1	==>	2
	541	1	0.100	0	==>	1
	565	1	0.125	0	==>	1
node_368 --> Eublepharis macu	23	1	0.158	0	==>	1
	321	1	0.231	0	-->	3
	410	1	0.091	0	==>	1
	494	1	0.133	2	-->	0
	497	1	0.048	1	-->	0
	498	1	0.083	0	==>	1
	509	1	0.158	1	==>	0
	512	1	0.091	0	==>	1
	514	1	0.083	0	-->	1
node_373 --> node_372	18	1	0.053	0	==>	1
	185	1	0.067	4	==>	3
	254	1	0.182	0	==>	2
	439	1	0.118	1	==>	0
	575	1	0.167	0	-->	1
	584	1	0.188	0	==>	1
node_372 --> node_371	11	1	0.105	0	-->	1
	13	1	0.067	1	==>	0
	144	1	0.091	1	==>	0
	309	1	0.333	2	-->	1
	321	1	0.231	0	-->	3

	420	1	0.085	4	==>	3
	421	1	0.075	4	==>	3
	479	1	0.250	1	-->	0
	588	1	0.167	1	-->	0
node_371 --> Teratoscincus pr	36	1	0.063	1	==>	0
	37	1	0.059	1	==>	0
	88	1	0.125	1	==>	0
	95	1	0.083	1	==>	0
	166	1	0.091	0	==>	1
	204	1	0.125	1	==>	0
	252	1	0.200	1	==>	0
	273	1	0.063	1	==>	0
	286	1	0.111	1	-->	0
	379	1	0.063	0	==>	1
	380	1	0.091	1	==>	0
	401	1	0.077	1	==>	0
	446	1	0.143	0	==>	1
	449	1	0.200	0	==>	1
	450	1	0.143	0	==>	1
	517	1	0.200	0	==>	1
	529	1	0.286	1	==>	2
	557	1	0.125	0	==>	1
	561	1	0.154	0	==>	1
	572	2	0.058	0	==>	2
node_371 --> node_370	39	1	0.080	1	==>	2
	48	1	0.103	3	-->	4
	190	1	0.250	0	==>	1
	213	1	0.048	1	==>	0
	215	1	0.091	1	-->	0
	249	1	0.231	0	==>	1
	292	1	0.500	1	==>	0
	309	1	0.333	1	==>	0
	418	1	0.083	0	==>	1
	575	1	0.167	1	-->	0
	585	1	0.250	1	-->	0
node_370 --> Gonatodes albogu	10	1	0.087	0	==>	1
	96	1	0.222	0	==>	1
	124	1	0.077	0	==>	1
	141	1	0.250	1	==>	0
	225	1	0.500	1	==>	0
	271	1	0.167	0	==>	1
	316	1	0.200	0	==>	1
	347	1	0.500	2	==>	1
	367	1	0.125	0	==>	1
	369	1	0.100	1	==>	2
	439	1	0.118	0	==>	1
	500	1	0.133	2	==>	0
	501	1	0.100	1	==>	0
	518	1	0.100	1	==>	2
	541	1	0.100	0	==>	1
	565	1	0.125	0	==>	1

	588	2	0.167	0	==>	2
node_370 --> Phelsuma lineata	11	1	0.105	1	-->	0
	17	1	0.167	0	==>	1
	18	1	0.053	1	==>	2
	23	1	0.158	0	==>	2
	43	1	0.375	2	==>	1
	49	1	0.089	0	==>	1
	114	1	0.148	3	==>	4
	128	2	0.167	3	==>	1
	129	2	0.051	0	==>	2
	149	1	0.087	1	==>	0
	208	1	0.091	1	==>	0
	369	1	0.100	1	==>	0
	394	1	0.087	1	==>	2
	410	1	0.091	0	==>	1
	494	1	0.133	0	==>	1
	496	1	0.083	0	==>	1
	498	1	0.083	0	==>	1
	506	1	0.250	0	==>	1
	511	1	0.143	0	==>	1
	514	1	0.083	1	==>	0
	521	1	0.067	1	==>	0
	525	1	0.167	1	==>	0
	546	1	0.100	1	==>	0
	547	1	0.250	0	==>	1
node_372 --> Gekko gecko	569	1	0.333	0	==>	1
	18	1	0.053	1	==>	2
	129	2	0.051	0	==>	2
	149	1	0.087	1	-->	2
	168	1	0.065	0	==>	1
	185	1	0.067	3	==>	2
	188	1	0.080	3	-->	2
	193	1	0.100	0	==>	1
	212	1	0.182	0	==>	2
	275	1	0.333	0	==>	2
	394	1	0.087	1	==>	2
	410	1	0.091	0	==>	1
	518	1	0.100	1	==>	0
	521	1	0.067	1	==>	0
	577	1	0.167	0	==>	1
	578	1	0.167	0	==>	1
	579	1	0.182	0	==>	1
node_386 --> node_385	3	1	0.182	0	==>	1
	6	1	0.100	0	-->	1
	10	1	0.087	0	==>	1
	11	1	0.105	0	==>	1
	19	1	0.167	0	==>	1
	20	1	0.167	0	==>	1
	36	1	0.063	0	-->	1
	48	1	0.103	3	==>	4
	62	1	0.111	0	==>	2

109	1	0.750	0	-->	3
118	1	0.143	0	==>	1
186	1	1.000	0	==>	1
214	1	0.200	0	-->	1
231	1	0.077	0	-->	1
263	1	0.286	0	-->	1
268	1	0.250	0	-->	1
278	1	0.500	0	-->	2
296	1	0.333	2	==>	0
311	1	0.286	0	-->	1
334	1	0.167	1	-->	0
340	1	0.095	0	-->	1
344	1	0.048	0	-->	1
348	1	0.111	0	-->	1
349	3	0.136	0	-->	3
350	1	0.333	0	-->	1
358	1	0.250	0	-->	1
359	1	1.000	0	-->	2
362	1	0.333	0	-->	1
375	1	0.065	2	-->	1
376	1	0.200	0	==>	1
377	1	0.333	0	==>	2
385	1	0.067	0	==>	2
392	2	0.105	0	-->	2
395	1	0.500	0	==>	1
410	1	0.091	0	==>	1
413	1	0.033	1	-->	0
418	1	0.083	0	-->	1
419	1	0.073	3	==>	2
420	1	0.085	3	-->	2
422	1	0.182	0	==>	1
427	1	0.100	0	==>	1
428	1	0.200	0	-->	1
432	1	1.000	0	-->	1
433	1	0.100	0	-->	1
461	1	0.300	0	==>	2
462	1	0.071	0	==>	1
465	1	0.250	0	==>	1
468	1	0.120	2	==>	3
475	1	0.300	1	==>	2
478	1	0.250	0	==>	1
483	1	0.120	1	-->	2
488	1	0.133	0	==>	1
491	1	0.143	0	-->	1
497	1	0.048	0	-->	1
499	1	0.143	0	-->	1
530	1	0.200	0	-->	1
533	1	0.333	1	-->	0
535	1	0.143	1	-->	0
549	1	0.250	0	==>	1
550	1	0.200	0	==>	1

	556	1	0.500	1	-->	0
	561	1	0.154	0	==>	2
	566	1	0.444	0	-->	3
node_385 --> node_380	9	1	0.250	0	==>	1
	456	1	0.190	0	==>	1
	460	2	0.600	0	==>	2
	493	1	0.200	1	-->	0
node_380 --> Adriosaurus sues	36	1	0.063	1	-->	0
	49	1	0.089	0	==>	1
	460	1	0.600	2	==>	3
	505	1	0.167	0	==>	1
node_380 --> Pontosaurus	115	1	0.600	0	==>	2
	499	1	0.143	1	-->	0
node_385 --> node_384	2	1	0.083	0	-->	1
	7	2	0.069	0	-->	2
	10	1	0.087	1	-->	2
	26	1	1.000	0	-->	1
	83	1	1.000	2	==>	3
	94	1	0.063	0	==>	2
	96	1	0.222	0	-->	2
	165	1	0.200	1	-->	0
	382	1	0.333	0	==>	1
	393	1	0.250	1	-->	0
	405	1	0.250	0	-->	1
	531	1	0.125	0	-->	1
	546	1	0.100	1	==>	0
	567	1	1.000	0	-->	1
node_384 --> Aigialosaurus da	529	1	0.286	1	==>	2
node_384 --> node_383	50	1	0.167	0	==>	1
	51	1	0.200	0	==>	1
	78	1	0.571	1	==>	3
	87	1	0.200	0	==>	1
	124	1	0.077	0	==>	1
	129	2	0.051	0	==>	2
	158	1	0.333	0	-->	1
	389	1	0.200	0	-->	1
	418	1	0.083	1	==>	2
	463	1	0.108	1	==>	0
	522	1	1.000	0	==>	2
	524	1	0.200	0	==>	1
	527	1	1.000	0	==>	1
	544	1	1.000	0	-->	1
node_383 --> node_382	283	1	0.133	1	-->	2
	333	1	0.333	0	==>	1
	400	1	0.200	0	-->	1
	421	1	0.075	3	==>	2
	456	1	0.190	0	-->	1
	475	1	0.300	2	-->	3
	478	1	0.250	1	==>	0
	495	1	0.125	1	-->	0
node_382 --> Clidastes	49	1	0.089	0	==>	1

	429	1	0.500	0	==>	1
	564	1	0.500	0	==>	1
	584	1	0.188	1	==>	0
node_382 --> node_381	468	3	0.120	3	==>	0
node_381 --> Plotosaurus	272	1	0.500	0	==>	1
	273	1	0.063	0	==>	1
	293	1	0.143	0	==>	1
	355	1	0.059	0	==>	1
	392	1	0.105	2	==>	1
	420	1	0.085	2	==>	3
	422	1	0.182	1	==>	2
	423	1	0.100	0	==>	1
	456	1	0.190	1	==>	2
	499	1	0.143	1	==>	0
	540	1	0.500	0	==>	1
node_381 --> Tylosaurus	77	1	0.083	0	==>	1
	143	1	0.200	0	==>	1
	389	1	0.200	1	-->	0
	400	1	0.200	1	-->	0
	406	1	0.143	0	==>	1
	456	1	0.190	1	-->	0
node_383 --> Platecarpus	77	1	0.083	0	==>	1
	93	1	0.111	0	==>	1
	283	1	0.133	1	-->	0
	307	1	0.125	0	==>	1
	313	1	0.500	0	==>	1
	337	1	0.136	0	==>	1
	397	1	0.333	0	==>	1
	422	1	0.182	1	==>	0
	423	1	0.100	0	==>	1
	505	1	0.167	0	==>	1
	573	1	0.083	0	==>	1
	584	2	0.188	1	==>	3