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THE GRAND CLADOGRAM (2025) FOR BIOFORTIFY ASSESSMENTS.

6TH JANUARY 2025

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The BioFortify Grand Cladogram provides a unified phylogenetic framework for biodiversity assessment. Integrating evolutionary and ecological relationships, it enables calculation of phylogenetic (PhyCo) and related coefficients to quantify diversity contextually. This foundational structure supports standardised, comparative biodiversity analyses across all life domains within the BioFortify methodology. Here, the 2025 edition is described.

Introduction

The *Grand Cladogram* presented here serves as a comprehensive reference framework for biodiversity assessment within the BioFortify (BF) methodology. Conceived as a unified phylogenetic backbone encompassing all major taxonomic groups, this cladogram provides a standardised structure from which evolutionary and ecological relationships can be quantitatively assessed. The BioFortify approach represents a methodological advance in biodiversity science, emphasising a *contextual and integrated* understanding of biological diversity rather than simple species enumeration. In this framework, biodiversity is assessed through two complementary dimensions: *(i)* the phylogenetic dimension, which accounts for evolutionary relatedness among all taxonomic groups of organisms, and *(ii)* the bioecological dimension, which integrates the ecological interactions between them, including dependencies such as predation, parasitism, and mutualism. The use of comprehensive cladograms such as this "Grand Cladogram" provides the necessary structural basis for calculating phylogenetic (PhyCo) and ecological (EcoPhyCo) coefficients, as defined in the BioFortify system. Together, these coefficients enable biodiversity to be expressed in a manner that captures both the evolutionary history and ecological functionality of life, offering a more complete and meaningful measure of global biological richness and structure.

Methods

Cladogram Construction

The cladogram was constructed according to a set of standardised inclusion criteria designed to achieve balanced taxonomic representation across the tree of life while maintaining manageable resolution within extremely diverse groups. With a basis for Branch Factor (and hence PhyCo) calculation from

species to phylum level, terminal taxa ("Termini") were assigned according to the construction criteria to allow practical approximations for Branch Factors and PhyCos via the Termini ($B_{S\{T\}\wedge P}$ and $PhyCo_{S\{T\}\wedge P}$).

Taxa were organised hierarchically from phylum to genus, with the depth of resolution determined by the relative diversity of each lineage and by a quantitative completeness metric (Branch Factors down from Phylum) [see Wellham & Flora 2021]. These rules ensured consistent treatment of taxa across domains and reflected the limits of current phylogenetic certainty. Furthermore, several adjusted taxonomic levels were introduced for convenience. They are represented in the cladogram by symbol codes used in taxa names. These are: !Phylum, ~Under Phylum, #Class, {Under Class, }Junior Under Class, \Senior Over Order, |Over Order, %Order, &Family, and £Genus. Terminal taxa are labelled €Terminus – these of course vary by the taxonomic level they are – subject to the described criteria.

For the kingdom *Animalia*, phyla containing fewer than one hundred genera were designated as minor phyla and were resolved only to the class level. The nine most speciose animal phyla were considered major phyla and were expanded downward to the level at which the cumulative Branch Factor value, measured upward to and including the phylum, did not exceed 300. In other words, Branch Factor for Phylum to Terminus, or $B_{T\wedge P}$, ≤ 300. In practice, this typically corresponded to the order level within large clades such as *Mammalia* under *Chordata*. For all remaining animal phyla, expansion was limited to the order level regardless of Branch Factor. Within any class or phylum – or within the lowest defined group below the phylum level if classes were not recognised – complete expansion to the genus level was allowed when the total number of genera did not exceed ten. In phyla containing two or fewer classes, this same rule was extended to the order level; *Ctenophora* serves as an example. Suborders and superfamilies were not recognised at any point in the hierarchy. Two animal phyla, *Nematoda* and *Nemertea*, were excluded altogether owing to their unstable higher-level relationships and the absence of a consistent, well-supported classification framework.

The fungal clades were treated according to comparable logic but with modifications reflecting mycological conventions. Within major phyla *Ascomycota* and *Basidiomycota*, individual mycotinae were expanded to $B_{T\wedge P} \leq 300$. For all other fungal phyla, resolution was limited to the order level. Any class or phylum with a total Branch Factor of ten or less was fully resolved to the genus level. For *Amoebozoa*, resolution was restricted to the order level across all constituent groups.

Plant lineages followed a similar hierarchical criterion with specific modifications. Both *Rhodophyta* and *Chlorophyta* were resolved to $B_{T\wedge P} \leq 300$, while *Angiospermae* were treated uniquely: all 64 recognised orders were included, and the effective $B_{T\wedge P}$ threshold was proportionally scaled to 300 divided by 64 to maintain comparability among orders. All other plant phyla were resolved only to the order level. Many protist lineages were retained primarily for illustrative purposes and were not exhaustively expanded, as reliable phylogenetic resolution is lacking in numerous groups.

The phylum *Arthropoda* required a distinct set of procedures due to its exceptional diversity and complex internal phylogeny. The subphyla *Chelicerata* and *Crustacea* were each expanded to $B_{T\wedge P} \leq 300$. *Myriapoda*, being less speciose, were resolved only to the order level or, when possible, to $B_{T\wedge O} \leq 10$ (branch factor from order). *Hexapoda* were treated to $B_{T\wedge P} \leq 300$, and the five largest insect orders – comprising the majority of described arthropod diversity – were each expanded individually to the same $B_{T\wedge P}$ threshold. Because of their internal heterogeneity, arthropod classes were distributed across multiple taxon columns to reflect their distinct evolutionary origins and relationships. When calculating $B_{T\wedge P}$, hexapods were treated as sister to *Allotriocarida* to reflect current consensus on their affinities.

Several exceptions were applied to otherwise consistent $B_{T\wedge P}$ -based thresholds. The teleost fishes (*Teleostei*) were resolved to the order level despite exceeding $B_{T\wedge P}$ of 300; within this group, *Percomorpha* were treated as an order-level equivalent. All avian orders (*Aves*) were also included irrespective of exceeding $B_{T\wedge P}$ 300. In cases where taxa were enclosed in square brackets, they were excluded from $B_{T\wedge P}$ calculations at the author's discretion. Such exclusions were employed selectively to prevent anomalously high diversity values that might distort the scaling of adjacent clades. Paraphyletic groups have been allowed in few cases based on overwhelming considerations on traditional groupings.

Overall, these rules ensured that well-defined, moderately diverse lineages were represented at a fine taxonomic resolution, while extremely speciose or phylogenetically uncertain groups were condensed to higher levels of classification. This framework provided a balanced and coherent cladogram that faithfully represents known evolutionary relationships without sacrificing interpretability or comparative scale.

Results

The Cladogram

The 2025 BioFortify Grand Cladogram lists 3,200 taxa in total, across 64 phyla, 26 "under phyla", 169 classes, 43 "under classes", 23 "junior under classes", 16 "senior over orders", 40 "over orders", 847 orders, 951 families, and 966 genera. There are 2,247 termini. From the extensive literature review performed, the cladogram oversees approximately 2.19 million species. As described in the methods, terminal taxa ("termini") were laid out in the cladogram according to a set of guidelines, with a general rule of the branch factor (phylum-terminus) not exceeding but getting close to 300 (i.e. $B_{T\wedge P} \leq 300$). Using these branch factors, as well as numbers of species in termini, the branch factors for species to phyla via termini (approximations) were calculated for all termini ($B_{T\wedge P} \cdot N_{S(T)} = B_{S\{T\}\wedge P}$). From these, $PhyCo_{S\{T\}\wedge P}$ was calculated, with the largest $B_{S\{T\}\wedge P}$ and hence by definition the smallest $PhyCo_{S\{T\}\wedge P}$ (set as 0.01) being for the beetle family Curculionidae (weevils). The largest $PhyCo_{S\{T\}\wedge P}$ (= 1) is held

by the plant *Gingko biloba*, the only species in its phylum. The full list of taxa in the cladogram including PhyCo scores is detailed below.

List of Taxa

The list is organised in order of reference number, stated first, before the name, then PhyCo[Species{Terminus}^Phylum] where stated (for termini only). The use of ^ after a genus name denotes a single-species genus.

1. Eubacteria.
2. Archaea.
3. Eukaryota.
4. SAR Group.
5. Heterokonta/ Stramenopiles.
6. €#Oomycetes (€#Water €#Moulds). 0.744
7. £Phytophthora.
8. £Pythium.
9. £Saprolegnia.
10. €#Phaeophyceae (€#Brown €#Algae). 0.694
11. £Fucus.
12. £Pelvetia.
13. £Ascophyllum.
14. £Laminaria.
15. £Sargassum.
16. €#Bacillariophyceae (€#Diatoms). 0.622
17. Alveolata.
18. €!Dinoflagellata. 0.694
19. €!Ciliophora. 0.678
20. £Paramecium.
21. €!Apicomplexa. 0.650
22. £Toxoplasma.
23. £Plasmodium.
24. €Rhizaria. 0.622
25. €Haptista. 0.678
26. £Coccolithus.
27. €Excavata. 0.694
28. £Euglena.
29. £Trypanosoma.
30. £Naegleria.
31. £Giardia.
32. £Trichomonas.
33. Archaeplastida.
34. !Glaucophyta.
35. €£Cyanophora. 0.916
36. €£Glaucocystis. 0.866
37. €£Cyanoptyche^. 0.944
38. €£Gloeochaete^. 0.900
39. !Rhodophyta (Red Algae).
40. ~Eurhodophytina.
41. #Bangiophyceae.
42. %Bangiales.
43. €&Bangiaceae. 0.724
44. €&Granufilaceae. 0.789
45. %Goniotrichales .
46. €£Goniotrichum. 0.828
47. #Florideophyceae.
48. €%Hildenbrandiales. 0.606
49. €%Acrochaetiales. 0.590
50. €%Balbianiales. 0.691
51. %Balliales.
52. €£Ballia. 0.699
53. €%Batrachospermales. 0.606
54. %Colaconematales.
55. €£Colaconema. 0.671
56. €%Nemaliales. 0.626
57. €%Palmariales. 0.699
58. %Entwisleiales.
59. €£Entwisleia^. 0.791
60. €%Thoreales. 0.726
61. €%Corallinales (€%Coralline €%Algae). 0.531
62. €%Corallinapetrales. 0.671
63. €%Rhodogorgonales. 0.763
64. €%Sporolithales. 0.634
65. €%Ahnfeltiales. 0.682
66. €%Pihiellales. 0.791
67. €%Bonnemaisoniales. 0.643
68. €%Ceramiales. 0.492
69. €%Gelidiales. 0.595
70. €%Gigartinales. 0.515
71. €%Gracilariales. 0.578
72. €%Halymeniales. 0.590
73. €%Nemastomatales. 0.648
74. €%Peyssonneliales. 0.626
75. €%Plocamiales. 0.620
76. €%Rhodymeniales. 0.562
77. €%Acrosymphytales. 0.735
78. €%Atractophorales. 0.726
79. €%Catenellopsidales. 0.763
80. €%Sebdeniales. 0.643
81. ~Proteorhodophytina.
82. #Compsopogonophyceae.
83. %Compsopogonales.
84. €&Boldiaceae. 0.756
85. €&Compsopogonaceae. 0.719
86. %Erythropeltidales.
87. €&Erythropeltidaceae. 0.657
88. €&Erythrotrichiaceae. 0.784
89. €%Rhodochaetales. 0.856
90. #Porphyridiophyceae.
91. €£Erythrobolus. 0.763
92. €£Porphyridium. 0.763
93. €£Timspurckia^. 0.856
94. €#Rhodellophyceae. 0.771
95. #Stylonematophyceae.
96. €%Rufusiales. 0.844
97. €%Stylonematales. 0.724
98. ~Cyanidiophytina.
99. #Cyanidiophyceae.
100. &Cyanidiaceae.
101. €£Cyanidioschyzon^. 0.872
102. €£Cyanidium. 0.828
103. €£Pluto. 0.872
104. €£Rhodococcus. 0.701
105. &Galdieriaceae.
106. €£Galdieria. 0.872
107. Viridiplantae.
108. !Chlorophyta (Green Algae).
109. #Chlorodendrophyceae.
110. &Chlorodendraceae.
111. €£Prasinocladus^. 0.832
112. €£Scherffelia. 0.711
113. €£Tetraselmis. 0.667
114. €&Halosphaeraceae. 0.755
115. #Chloropicophyceae.
116. €£Chloropicon. 0.832
117. €£Chloroparvula. 0.848
118. #Mamiellophyceae.
119. €%Dolichomastigales. 0.859
120. %Mamiellales.
121. €£Bathycoccus^. 0.795
122. €£Ostreococcus. 0.750
123. €£Mamiella^. 0.750
124. €£Mantoniella. 0.739
125. €£Micromonas. 0.739
126. %Monomastigales.
127. €£Monomastix. 0.859
128. #Nephrophyceae.
129. €£Anticomonas. 0.807
130. €£Argillamonas. 0.807
131. €£Bipedinomonas. 0.807
132. €£Fluitomonas. 0.807
133. €£Hiemalomonas. 0.807
134. €£Myochloris. 0.807
135. €£Nephroselmis. 0.698
136. €£Prototractomonas. 0.807
137. €£Pseudopedinomonas. 0.807
138. €£Sennia. 0.807
139. €£Sinamonas. 0.807
140. #Palmophyllophyceae/ #Prasinophyceae.
141. %Palmophyllales.
142. €£Palmoclathrus^. 0.832
143. €£Palmophyllum. 0.767
144. €£Verdigellas. 0.767
145. %Prasinococcales.
146. €£Prasinococcus^. 0.876
147. #Pedinophyceae.
148. %Marsupiomonadales.
149. &Marsupiomonadaceae.
150. €£Marsupiomonas^. 0.804
151. €£Protoeuglena. 0.804
152. &Resultomonadaceae.
153. €£Resultomonas^. 0.832
154. %Pedinomonadales.
155. €£Anisomonas. 0.795
156. €£Chlorochytridion. 0.795
157. €£Dioriticamonas. 0.795
158. €£Pedinomonas. 0.767
159. €£Resultor^. 0.795
160. %Scourfieldiales.
161. €£Scourfieldia. 0.832
162. #Picocystophyceae.
163. €£Picocystis^. 0.904
164. #Pyramimonadophyceae.
165. %Pseudoscourfieldiales.
166. €£Crassosphaera. 0.832
167. €£Pseudoscourfieldia. 0.832
168. €£Pycnococcus. 0.832
169. €%Pyramimonadales. 0.723
170. #Ulvophyceae.
171. €%Bryopsidales. 0.546
172. %Chlorocystidales.
173. €£Chlorocystis. 0.704
174. €£Desmochloris . 0.732
175. €%Cladophorales. 0.574

176. %Dasycladales.
177. €&Dasycladaceae. 0.639
178. €&Polyphysaceae. 0.646
179. %Ignatiales.
180. €£Ignatius^. 0.776
181. €£Pseudocharacium. 0.776
182. €%Oltmannsiellopsidales. 0.739
183. €%Receptaculitales. 0.711
184. €%Scotinosphaerales. 0.776
185. %Sykidiales.
186. €£Sykidion. 0.759
187. €%Trentepohliales. 0.618
188. €%Ulotrichales. 0.639
189. €%Ulvales. 0.618
190. #Trebouxiophyceae.
191. %Chlorellales.
192. €&Chlorellaceae. 0.563
193. €&Eremosphaeraceae. 0.711
194. €&Leptosiraceae. 0.655
195. €&Oocystaceae. 0.615
196. %Microthamniales.
197. €£Fusochloris^. 0.804
198. €£Microthamnion^. 0.776
199. €%Phyllosiphonales. 0.767
200. %Prasiolales.
201. €&Koliellaceae. 0.743
202. €&Prasiolaceae. 0.704
203. €&Stichococcaceae. 0.715
204. %Trebouxiales.
205. €&Botryococcaceae. 0.723
206. €&Choricystidaceae. 0.695
207. €&Trebouxiaceae. 0.602
208. €%Watanabeales. 0.732
209. #Chlorophyceae.
210. %Chaetopeltidales.
211. €&Chaetopeltidaceae. 0.755
212. &Dicranochaetaceae.
213. €£Dicranochaete. 0.811
214. €%Chaetophorales. 0.761
215. €%Chlamydomonadales. 0.674
216. %Oedogoniales.
217. €£Bulbochaete. 0.767
218. €£Oedocladium. 0.795
219. €£Oedogonium^. 0.646
220. €%Sphaeropleales. 0.702
221. Streptophyta.
222. !(para) Charophyta.
223. #Mesostigmatophyceae.
224. €£Mesostigma. 0.928
225. #Chlorokybophyceae.
226. €£Chlorokybus. 0.928
227. €#Klebsormidiophyceae. 0.819
228. €#Charophyceae. 0.687
229. #Coleochaetophyceae.
230. €%Chaetosphaeridiales. 0.835
231. €%Coleochaetales. 0.791
232. #Zygnematophyceae.
233. €%Zygnematales. 0.747
234. €%Desmidiales. 0.780
235. €%Spirogyrales. 0.798
236. €%Serritaeniales. 0.863
237. €%Spirogloeales. 0.863
238. Embryophyta (Land Plants).
239. (para) Bryophytes+.
240. !Marchantiophyta (Liverworts).
241. #Haplomitriopsida.
242. %Calobryales.
243. €£Haplomitrium. 0.900
244. €%Treubiales. 0.884
245. #Marchantiopsida.
246. €%Blasiales. 0.798
247. %Lunulariales.
248. €£Lunularia^. 0.891
249. €%Marchantiales. 0.634
250. %Neohodgsoniales.
251. €£Neohodgsonia^. 0.891
252. €%Sphaerocarpales. 0.847
253. #Jungermanniopsida.
254. €%Fossombroniales. 0.766
255. €%Jungermanniales. 0.534
256. €%Metzgeriales. 0.715
257. €%Pallaviciniales. 0.780
258. €%Pelliales. 0.807
259. %Pleuroziales.
260. €£Pleurozia. 0.872
261. €%Porellales. 0.687
262. €%Ptilidiales. 0.659
263. !Bryophyta (Mosses).
264. #Takakiopsida.
265. €£Takakia. 0.916
266. #Sphagnopsida.
267. %Sphagnales.
268. €£Ambuchanania^. 0.861
269. €£Eosphagnum^. 0.861
270. €£Flatbergium. 0.861
271. €£Sphagnum. 0.639
272. #Andreaeopsida.
273. €£Acroschisma^. 0.888
274. €£Andreaea. 0.752
275. #Andreaeobryopsida.
276. €£Andreaeobryum^. 0.916
277. #Oedipodiopsida.
278. €£Oedipodium^. 0.916
279. €#Polytrichopsida. 0.675
280. #Tetraphidopsida.
281. €£Tetraphis. 0.861
282. €£Tetrodontium. 0.844
283. #Bryopsida.
284. |Buxbaumiidae.
285. €£Buxbaumia^. 0.729
286. |Diphysciidae.
287. €£Diphyscium^. 0.773
288. €|Gigaspermidae. 0.838
289. |Timmiidae.
290. €£Timmia^. 0.766
291. €|Funariidae. 0.746
292. €|Dicranidae. 0.625
293. €|Bryidae. 0.560
294. !Anthocerotophyta (Hornworts).
295. #Leiosporocerotopsida.
296. €£Leiosporoceros^. 0.972
297. #Anthocerotopsida.
298. €%Anthocerotales. 0.759
299. €%Dendrocerotales. 0.780
300. €%Notothyladales. 0.861
301. %Phymatocerotales.
302. €£Phymatoceros^. 0.916
303. Tracheophytes (Vascular Plants).
304. (para) Pteridophytes+.
305. !(para) Lycophytes.
306. %Isoetales (%Quillworts).
307. €£Isoetes. 0.744
308. €%Lycopodiales (€%Clubmosses, €%Firmosses). 0.715
309. %Selaginellales (%Spikemosses).
310. €£Selaginella. 0.692
311. Euphyllophytes.
312. !Monilophyta (Ferns).
313. %Equisetales (%Horsetails).
314. €£Equisetum. 0.835
315. €%Marattiales. 0.900
316. €%Ophioglossales (€%Adder's €%Tongues). 0.768
317. %Psilotales (%Whisk %Ferns).
318. €£Psilotum. 0.888
319. €£Tmesipteris. 0.872
320. Spermatophytes (Seed Plants).
321. !Angiospermae (Flowering Plants).
322. ~(Basal Angiosperms).
323. %Amborellales.
324. €£Amborella^. 0.928
325. %Nymphaeales.
326. €&Cabombaceae. 0.819
327. &Hydatellaceae.
328. €£Trithuria. 0.795
329. €&Nymphaeaceae . 0.707
330. %Austrobaileyales.
331. &Austrobaileyaceae.
332. €£Austrobaileya^. 0.884
333. €&Schisandraceae. 0.726
334. &Trimeniaceae.
335. €£Trimenia. 0.800
336. ~(Core Angiosperms).
337. %Chloranthales.
338. €£Ascarina. 0.816
339. €£Chloranthus. 0.789
340. €£Hedyosmum. 0.735
341. €£Sarcandra. 0.844
342. %Ceratophyllales.
343. €£Ceratophyllum. 0.872
344. {Magnoliids.
345. %Canellales.
346. €&Canellaceae. 0.733
347. €&Winteraceae. 0.663
348. €%Laurales. 0.650
349. €%Magnoliales. 0.643
350. %Piperales.
351. €&Aristolochiaceae. 0.578
352. €&Piperaceae. 0.522
353. €&Saururaceae. 0.756
354. {Monocots.
355. %Acorales.
356. €£Acorus. 0.804
357. €%Alismatales. 0.626
358. €%Asparagales. 0.517
359. %Dioscoreales.
360. €&Burmanniaceae. 0.595
361. €&Dioscoreaceae. 0.516
362. €&Nartheciaceae. 0.644
363. €%Liliales. 0.554
364. €%Pandanales. 0.543
365. %Petrosaviales.
366. €£Japonolirion^. 0.804
367. €£Petrosavia. 0.759
368. %Arecales.
369. €&Arecaceae. 0.489
370. €&Dasypogonaceae. 0.748
371. €%Commelinales. 0.568
372. €%Poales. 0.437
373. €%Zingiberales. 0.526
374. {Eudicots.
375. }(Basal Eudicots).
376. %Buxales.
377. €&Buxaceae. 0.608
378. &Didymelaceae.
379. €£Didymeles. 0.772
380. &Haptanthaceae .
381. €£Haptanthus^. 0.800
382. %Proteales.
383. &Nelumbonaceae.
384. €£Nelumbo. 0.761
385. &Platanaceae (&Plane &Trees).
386. €£Platanus. 0.710
387. €&Proteaceae. 0.489
388. €&Sabiaceae. 0.603
389. €%Ranunculales. 0.530
390. %Trochodendrales.
391. €£Tetracentron^. 0.816
392. €£Trochodendron . 0.816
393. }(Core Eudicots).
394. %Dilleniales.
395. €&Dilleniaceae. 0.603
396. &Paeoniaceae (&Peonies).
397. €£Paeonia. 0.704

398. %Gunnerales.
399. €£Gunnera. 0.696
400. €£Myrothamnus. 0.816
401. \Superasterids.
402. %Berberidopsidales.
403. &Aextoxicaceae.
404. €£Aextoxicon. 0.780
405. &Berberidopsidaceae.
406. €£Berberidopsis. 0.724
407. €£Streptothamnus^. 0.752
408. €%Santalales. 0.502
409. €%Caryophyllales. 0.431
410. €%Cornales. 0.558
411. €%Ericales. 0.446
412. |Lamiids.
413. %Icacinales.
414. &Icacinaceae.
415. &Oncothecaceae.
416. €£Oncotheca. 0.705
417. €%Metteniusales. 0.603
418. %Garryales.
419. &Garryaceae.
420. €£Garrya. 0.568
421. €£Aucuba. 0.621
422. &Eucommiaceae.
423. €£Eucommia^. 0.705
424. €%Gentianales. 0.344
425. €%Solanales. 0.390
426. €%Boraginales. 0.427
427. %Vahliales.
428. €£Vahlia. 0.661
429. €%Lamiales. 0.328
430. |Campanulids.
431. €%Aquifoliales. 0.509
432. €%Escalloniales. 0.570
433. €%Asterales. 0.362
434. %Bruniales.
435. €&Bruniaceae. 0.565
436. &Columelliaceae.
437. €£Columellia. 0.682
438. €£Desfontainia. 0.710
439. €%Apiales. 0.392
440. %Paracryphiales.
441. €£Paracryphia^. 0.682
442. €£Quintinia. 0.579
443. €£Sphenostemon. 0.638
444. %Dipsacales.
445. €&Adoxaceae. 0.497
446. €&Caprifoliaceae. 0.439
447. \Superrosids.
448. €%Saxifragales. 0.530
449. €%Vitales. 0.567
450. |Fabids.
451. %Zygophyllales.
452. €&Zygophyllaceae. 0.508
453. &Krameriaceae.
454. €£Krameria. 0.617
455. %Celastrales.
456. €&Celastraceae (staff-vine). 0.443
457. &Lepidobotryaceae.
458. €£Lepidobotrys^. 0.705
459. €£Ruptiliocarpon^. 0.705
460. €%Oxalidales. 0.443
461. €%Malpighiales. 0.371
462. %Fabales.
463. €&Fabaceae (€&Legumes). 0.307
464. &Quillajaceae.
465. €£Quillaja. 0.677
466. €&Polygalaceae (€&Milkworts). 0.427
467. €&Surianaceae. 0.640
468. €%Rosales. 0.401
469. €%Cucurbitales. 0.487
470. €%Fagales. 0.472
471. |Malvids.
472. %Geraniales.
473. €&Geraniaceae. 0.464
474. €&Francoaceae. 0.562
475. €%Myrtales. 0.386
476. €%Crossosomatales. 0.596
477. %Picramniales.
478. €£Aenigmanu^. 0.705
479. €£Alvaradoa. 0.633
480. €£Nothotalisia. 0.705
481. €£Picramnia. 0.562
482. €%Sapindales. 0.411
483. %Huerteales.
484. €&Dipentodontaceae. 0.677
485. &Gerrardinaceae.
486. €£Gerrardina. 0.705
487. &Petenaeaceae.
488. €£Petenaea^. 0.705
489. €&Tapisciaceae. 0.640
490. €%Malvales. 0.427
491. €%Brassicales. 0.422
492. Gymnosperms.
493. !Pinophyta.
494. %Araucariales.
495. €&Araucariaceae. 0.767
496. €&Podocarpaceae. 0.713
497. %Cupressales.
498. €&Sciadopityaceae (€&Umbrella €&Pines). 0.916
499. €&Cupressaceae (€&Cypresses). 0.718
500. €%Taxaceae (€%Yews). 0.810
501. €%Pinaceae (€%Pines and €%Relatives). 0.727
502. !Cycadophyta.
503. &Cycadaceae.
504. €£Cycas. 0.781
505. €&Zamiaceae. 0.761
506. !Gnetophyta.
507. &Gnetaceae.
508. €£Gnetum. 0.819
509. &Welwitschiaceae.
510. €£Welwitschia^. 0.956
511. &Ephedraceae.
512. €£Ephedra. 0.785
513. !Gingkophyta.
514. €£Gingko^. 1.000
515. Amorphea.
516. !Amoebozoa.
517. ~Tubulinea.
518. €%Trichosida. 0.907
519. €%Echinamoebida. 0.843
520. €%Leptomyxida. 0.815
521. €%Euamoebida. 0.722
522. €%Arcellinida. 0.602
523. ~(poly) Mycetozoa.
524. #Protostelia.
525. €%Protosteliida. 0.780
526. #Myxogastria.
527. €%Liceida. 0.726
528. €%Echinosteliida. 0.819
529. €%Trichiida. 0.706
530. €%Stemonitida. 0.699
531. €%Physarales. 0.650
532. #Dictyostelia.
533. €%Dictyosteliida. 0.726
534. Ophistokonta.
535. Fungi.
536. !Rozellomycota.
537. €£Rozella. 0.907
538. !Microsporidia.
539. €%Paramicrosporidiales. 0.956
540. €%Morellosporales. 0.956
541. €%Nucleophagales. 0.956
542. #Chytridiopsidea.
543. €%Hesseida. 0.928
544. €%Chytridiopsida. 0.715
545. #Metchnikovellea.
546. €%Metchnikovellida. 0.863
547. #Microsporidea.
548. €%Neopereziida. 0.891
549. €%Ovavesiculida. 0.891
550. €%Amblyosporida. 0.891
551. €%Glugeida. 0.706
552. €%Nosematida. 0.743
553. !Aphelidiomycota.
554. €£Amoebaphelidium. 0.900
555. €£Aphelidium. 0.900
556. €£Paraphelidium. 0.916
557. €£Pseudaphelidium. 0.944
558. Eumycota.
559. €!Neocallimastigomycota. 0.880
560. !Chytridiomycota.
561. #Chytridiomycetes.
562. €%Chytridiales. 0.662
563. €%Cladochytriales. 0.717
564. €%Rhizophydiales. 0.663
565. €%Polychytriales. 0.819
566. €%Spizellomycetales. 0.686
567. €%Rhizophlyctidales. 0.754
568. €%Lobulomycetales. 0.763
569. €%Synchytriales. 0.713
570. €%Polyphagales. 0.738
571. #Mesochytriomycetes.
572. €%Gromochytriales. 0.907
573. €%Mesochytriales. 0.829
574. #Monoblepharidomycetes.
575. €%Monoblepharidales. 0.787
576. €%Harpochytriales. 0.843
577. #Hyaloraphidiomycetes.
578. %Hyaloraphidiales.
579. €£Hyaloraphidium^. 0.935
580. #Sanchytriomycetes.
581. €%Sanchytriales. 0.891
582. !Blastocladiomycota.
583. #Physodermatomycetes.
584. €%Physodermatales. 0.852
585. #Blastocladiomycetes.
586. €%Blastocladiales. 0.793
587. (para) Zygomycota.
588. !Basidiobolomycota.
589. €£Drechsleosporium. 0.956
590. €£Schizangiella. 0.956
591. €£Basidiobolus. 0.878
592. !Entomophthoromycota.
593. €#Basidiobolomycetes. 0.878
594. €#Neozygitomycetes. 0.850
595. €#Entomophthoromycetes. 0.731
596. !Kickxellomycota.
597. €%Ramicandelaberales. 0.888
598. €%Dimargaritales. 0.833
599. €%Barbatosporales. 0.916
600. €%Spiromycetales. 0.916
601. €%Orphellales. 0.872
602. €%Asellariales. 0.828
603. €%Kickxellales. 0.758
604. €%Harpellales. 0.697
605. !Mortierellomycota.
606. €£Aquamortierella^. 0.928
607. €£Dissophora. 0.900
608. €£Gamsiella^. 0.928
609. €£Lobosporangium^. 0.928
610. €£Modicella. 0.884
611. €£Mortierella . 0.746
612. !Calcarisporiellomycota.
613. €£Calcarisporiella^. 0.972
614. €£Echinochlamydosporium^. 0.972
615. !Mucoromycota.
616. €%Mucorales. 0.715
617. €%Endogonales. 0.835

618. Symbiomycota.
619. !Glomeromycota.
620. €%Archaeosporales. 0.809
621. €%Diversisporales. 0.780
622. €%Glomerales. 0.798
623. €%Paraglomerales. 0.880
624. Dikarya.
625. !Entorrhizomycota.
626. %Entorrhizales.
627. €£Entorrhiza. 0.916
628. €£Juncorrhiza. 0.944
629. %Talbotiomycetales.
630. €£Talbotiomyces. 0.972
631. !Basidiomycota.
632. ~Agaricomycotina.
633. #Agaricomycetes.
634. €%Auriculariales. 0.563
635. €%Catharellales. 0.646
636. €%Corticiales. 0.559
637. €%Gloeophyllales. 0.618
638. %Hymenochaetales.
639. €&Hymenochaetaceae. 0.482
640. €&Repetobasidiaceae. 0.620
641. €&Schizoporaceae . 0.555
642. €%Polyporales. 0.484
643. €%Russulales. 0.498
644. %Sebacinales.
645. €&Sebacinaceae. 0.617
646. €&Serendipitaceae. 0.642
647. €£Serendipita. 0.660
648. %Stereopsidales.
649. €£Clavulicium. 0.670
650. €£Stereopsis. 0.704
651. %Thelephorales.
652. €&Bankeraceae. 0.614
653. €&Thelephoraceae. 0.546
654. €%Trechisporales. 0.591
655. %Tremellodendropsidales.
656. €£Tremellodendropsis. 0.720
657. [Agaricomycetidae].
658. €%Agaricales. 0.442
659. €%Amylocorticiales. 0.651
660. €%Atheliales. 0.589
661. €%Boletales. 0.487
662. %Jaapiales.
663. €£Jaapia. 0.776
664. %Lepidostromatales.
665. €£Ertzia. 0.732
666. €£Lepidostroma. 0.732
667. €£Sulzbacheromyces. 0.704
668. [Phallomycetidae].
669. €%Geastrales. 0.581
670. %Gomphales.
671. €&Clavariadelphaceae. 0.620
672. €&Gomphaceae. 0.583
673. €&Lentariaceae. 0.687
674. €%Hysterangiales. 0.623
675. %Phallales.
676. €&Claustulaceae. 0.651
677. €&Phallaceae. 0.573
678. #Bartheletiomycetes.
679. €£Bartheletia^. 0.900
680. #Dacrymycetes.
681. &Cerinomycetaceae.
682. €£Cerinomyces. 0.844
683. &Dacrymycetaceae.
684. €£Calocera. 0.657
685. €£Dacryopinax. 0.701
686. €£Dendrodacrys. 0.738
687. €£Ditiola. 0.694
688. €£Guepiniopsis. 0.694
689. €£Femsjonia. 0.766
690. €£Heterotextus. 0.710
691. &Dacryonaemataceae.
692. €£Dacryonaema. 0.844
693. &Unilacrymaceae.
694. €£Unilacryma. 0.844
695. #Tremellomycetes.
696. €%Chionasterales. 0.828
697. %Cystofilobasidiales.
698. &Cystofilobasidiaceae.
699. €£Cystofilobasidium. 0.744
700. €&Mrakiaceae. 0.772
701. %Filobasidiales.
702. &Filobasidiaceae.
703. €£Filobasidium. 0.626
704. €£Goffeauzyma. 0.691
705. €£Naganishia. 0.657
706. €£Syzygospora. 0.643
707. €£Zyzygomyces. 0.735
708. &Piskurozymaceae.
709. €£Piskurozyma. 0.743
710. €£Solicoccozyma. 0.647
711. %Holtermanniales.
712. €£Holtermannia. 0.708
713. €£Holtermanniella. 0.717
714. %Tremellales.
715. €&Bulleraceae. 0.639
716. €&Bulleribasidiaceae. 0.732
717. &Carcinomycetaceae.
718. €£Carcinomyces. 0.732
719. €&Cryptococcaceae. 0.530
720. €&Cuniculitremaceae. 0.639
721. €&Naemateliaceae. 0.732
722. €&Phaeotremellaceae. 0.660
723. €&Rhynchogastremaceae. 0.732
724. €&Sirobasidiaceae. 0.595
725. €&Tremellaceae. 0.518
726. €&Trimorphomycetaceae. 0.632
727. %Trichosporonales.
728. &Tetragoniomycetaceae.
729. €£Bandonia. 0.717
730. €£Cryptotrichosporon. 0.744
731. €£Takashimella. 0.744
732. €£Tetragoniomyces. 0.744
733. &Trichosporonaceae.
734. €£Apiotrichum. 0.619
735. €£Cutaneotrichosporon. 0.635
736. €£Effuseotrichosporon. 0.728
737. €£Haglerozyma. 0.728
738. €£Trichosporon. 0.635
739. €£Vanrija. 0.728
740. ~Pucciniomycotina.
741. €#Agaricostilbomycetes. 0.706
742. €#Atractiellomycetes. 0.752
743. #Classiculomycetes.
744. €£Classicula. 0.747
745. €£Jaculispora. 0.807
746. #Cryptomycocolacomycetes.
747. €£Colacosiphon. 0.771
748. €£Cryptomycocolax. 0.747
749. #Cystobasidiomycetes.
750. €%Buckleyzymales. 0.734
751. €%Cystobasidiales. 0.726
752. €%Erythrobasidiales. 0.798
753. %Naohideales.
754. €£Naohidea^. 0.798
755. €%Sakaguchiales. 0.754
756. #Microbotryomycetes.
757. €%Curvibasidiales. 0.735
758. €%Heitmaniales. 0.780
759. €%Heterogastridiales. 0.724
760. €%Kriegeriales. 0.701
761. €%Leucosporidiales. 0.752
762. €%Microbotryales. 0.735
763. €%Rosettozymales. 0.622
764. €%Sporidiobolales. 0.701
765. #Mixiomycetes.
766. €£Mixia^. 0.819
767. #Pucciniomycetes.
768. €%Helicobasidiales. 0.798
769. %Pachnocybales.
770. €£Pachnocybe. 0.743
771. €%Platygloeales. 0.771
772. €%Pucciniales. 0.726
773. €%Septobasidiales. 0.734
774. #Spiculogloeomycetes.
775. €£Phyllozyma. 0.835
776. €£Spiculogloea. 0.807
777. #Tritirachiomycetes.
778. €£Tritirachium. 0.699
779. €£Paratritirachium. 0.771
780. ~Ustilaginomycotina.
781. #Exobasidiomycetes.
782. %Ceraceosorales.
783. €£Ceraceosorus^. 0.704
784. €%Doassansiales. 0.656
785. €%Entylomatales. 0.613
786. €%Exobasidiales. 0.650
787. €%Georgefischeriales. 0.648
788. €%Microstromatales. 0.670
789. €%Tilletiales. 0.610
790. #Ustilaginomycetes.
791. €%Urocystales. 0.703
792. €%Ustilaginales. 0.575
793. #Malasseziomycetes.
794. %Malasseziales.
795. €£Malassezia. 0.775
796. #Monilielliomycetes.
797. %Moniliellales.
798. €£Moniliella. 0.819
799. #Peribolosporomycetes.
800. €%Peribolosporales. 0.891
801. !Ascomycota.
802. ~Pezizomycotina.
803. [Triblidiales].
804. [Vezdaeales].
805. €£Vezdaea. 0.826
806. [Thelocarpales].
807. €£Sarcosagium^. 0.847
808. €£Thelocarpon. 0.803
809. [Harpidiaceae].
810. €£Euopsis. 0.891
811. €£Harpidium. 0.891
812. #Pezizomycetes.
813. €£Urceolaria. 0.781
814. €&Ascobolaceae. 0.642
815. €&Ascodesmidaceae. 0.651
816. €&Caloscyphaceae. 0.748
817. &Carbomycetaceae.
818. €£Carbomyces. 0.748
819. €&Chorioactidaceae. 0.692
820. €&Discinaceae. 0.618
821. &Glaziellaceae.
822. €£Glaziella. 0.748
823. €&Helvellaceae. 0.577
824. €&Karstenellaceae. 0.704
825. €&Morchellaceae. 0.589
826. €&Pezizaceae. 0.552
827. €&Pyronemataceae. 0.498
828. €&Rhizinaceae. 0.748
829. €&Sarcoscyphaceae. 0.585
830. €&Sarcosomataceae. 0.603
831. €&Tuberaceae. 0.539
832. #Leotiomycetes.
833. %Cyttariales.
834. €£Cyttaria. 0.635
835. €£Cyttariella. 0.732
836. €%Erysiphales. 0.486
837. €%Helotiales. 0.417
838. %Lahmiales.
839. €£Lahmia^. 0.759
840. €%Lauriomycetales. 0.732
841. %Leotiales.
842. €£Bulgariaceae. 0.660

843. €£Leotiaceae. 0.463
844. €%Marthamycetales. 0.732
845. %Medeolariales.
846. €£Medeolaria^. 0.759
847. €%Micraspidales. 0.715
848. €%Phacidiales. 0.561
849. €%Rhytismatales. 0.482
850. €%Thelebolales. 0.602
851. #Geoglossomycetes.
852. €£Geoglossum. 0.655
853. €£Glutinoglossum. 0.732
854. €£Hemileucoglossum. 0.748
855. €£Leucoglossum. 0.748
856. €£Nothomitra. 0.776
857. €£Sabuloglossum^. 0.776
858. €£Sarcoleotia. 0.748
859. €£Trichoglossum. 0.664
860. #Sordariomycetes.
861. €|Diaporthomycetidae. 0.484
862. €|Hypocreomycetidae. 0.443
863. |Lulworthiomycetidae.
864. %Koralionastetales.
865. €£Koralionastes. 0.737
866. €%Lulworthiales. 0.596
867. |Pisorisporiomycetidae.
868. €£Achroceratosphaeria. 0.753
869. €£Pisorisporium. 0.753
870. €|Savoryellomycetidae. 0.638
871. €|Sordariomycetidae. 0.411
872. |Xylariomycetidae.
873. €&Amphisphaeriales. 0.524
874. €&Delonicicolales. 0.672
875. €&Xylariales. 0.422
876. #Eurotiomycetes.
877. |Chaetothyriomycetidae.
878. €%Chaetothyriales. 0.480
879. €%Pyrenulales. 0.493
880. €%Verrucariales. 0.465
881. |Coryneliomycetidae.
882. €&Coryneliaceae. 0.660
883. &Eremascaceae.
884. €£Eremascus. 0.695
885. |Cryptocaliciomycetidae.
886. €£Cryptocalicium^. 0.787
887. €|Eurotiomycetidae. 0.493
888. |Mycocaliciomycetidae.
889. €&Mycocaliciaceae. 0.611
890. &Sphinctrinaceae.
891. €£Mycocaliciaceae. 0.732
892. €£Sphinctrinaceae. 0.732
893. €|Sclerococcomycetidae. 0.787
894. #Dothideomycetes.
895. |Dothideomycetidae.
896. €%Aureoconidiellales. 0.753
897. €%Capnodiales (€%Sooty €%Moulds). 0.475
898. €%Cladosporiales. 0.496
899. €%Dothideales. 0.475
900. €%Mycosphaerellales. 0.431
901. €%Myriangiales. 0.753
902. €%Phaeothecales. 0.753
903. |Pleosporomycetidae.
904. €%Gloniales. 0.776
905. €%Hysteriales. 0.546
906. %Mytilinidiales.
907. €&Mytilinidiaceae. 0.748
908. €&Gloniaceae. 0.748
909. €%Pleosporales. 0.442
910. [Unplaced others].
911. #Laboulbeniomycetes.
912. %Herpomycetales.
913. €£Herpomyces. 0.815
914. %Laboulbeniales.
915. €&Ceratomycetaceae. 0.771
916. €&Euceratomycetaceae. 0.771
917. €&Laboulbeniaceae. 0.465
918. %Pyxidiophorales.
919. €£Acariniola. 0.727
920. €£Ascolanthanus. 0.727
921. €£Gliocephalis. 0.683
922. €£Mycorhynchidium. 0.727
923. €£Mycorhynchus. 0.662
924. €£Pleurocatena. 0.727
925. €£Pyxidiophora. 0.590
926. €£Rhynchonectria. 0.655
927. €£Thaxteriola. 0.699
928. #Orbiliomycetes.
929. €£Arthrobotrys. 0.602
930. €£Brachyphoris. 0.715
931. €£Dactylella. 0.660
932. €£Dactylellina. 0.759
933. €£Dicranidion. 0.704
934. €£Duddingtonia^. 0.759
935. €£Dwayaangam. 0.759
936. €£Gamsylella. 0.759
937. €£Hyalorbilia. 0.759
938. €£Monacrosporium. 0.574
939. €£Orbilia. 0.546
940. €£Pseudorbilia^. 0.759
941. #Lecanoromycetes.
942. €%Acarosporales. 0.504
943. €%Caliciales. 0.511
944. €%Lecanorales. 0.363
945. €%Lecideales. 0.455
946. €%Leprocaulales. 0.604
947. €%Peltigerales. 0.462
948. €%Rhizocarpales. 0.532
949. €%Sporastatiales. 0.576
950. €%Teloschistales. 0.470
951. €%Agyriales. 0.488
952. €%Baeomycetales. 0.541
953. €%Graphidales. 0.405
954. €%Gyalectales. 0.504
955. €%Odontotrematales. 0.557
956. €%Ostropales. 0.439
957. €%Pertusariales. 0.504
958. €%Sarrameanales. 0.641
959. %Schaereriales.
960. €£Schaereria. 0.661
961. €%Thelenellales. 0.733
962. €%Candelariales. 0.520
963. €%Micropeltidales. 0.569
964. €%Turquoiseomycetales. 0.733
965. €%Umbilicariales. 0.532
966. #Lichinomycetes.
967. &Gloeoheppiaceae.
968. €£Gloeoheppia. 0.727
969. €£Gudelia. 0.771
970. €£Pseudopeltula. 0.715
971. €&Lichinaceae. 0.602
972. &Peltulaceae.
973. €£Neoheppia. 0.706
974. €£Peltula. 0.570
975. €£Phyllopeltula. 0.771
976. #Arthoniomycetes.
977. %Arthoniales.
978. &Andreiomycetaceae.
979. €£Andreiomyces. 0.753
980. €&Arthoniaceae. 0.459
981. €&Chrysotrichaceae. 0.589
982. €&Lecanographaceae. 0.540
983. €&Opegraphaceae. 0.568
984. €&Roccellaceae. 0.512
985. €&Roccellographaceae. 0.644
986. %Lichenostigmatales.
987. €£Antarctolichenia. 0.776
988. €£Etayoa. 0.732
989. €£Lichenostigma. 0.646
990. €£Phaeococcomyces. 0.697
991. €~Saccharomycotina. 0.662
992. ~Taphrinomycotina.
993. €£Archaeorhizomyces^. 0.928
994. #Taphrinomycetes.
995. &Protomycetaceae.
996. €£Buerenia. 0.800
997. €£Protomyces. 0.691
998. €£Protomycopsis. 0.800
999. €£Saitoella. 0.772
1000. €£Taphridium. 0.744
1001. €£Volkartia. 0.800
1002. &Taphrinaceae.
1003. €£Lalaria. 0.816
1004. €£Taphrina. 0.659
1005. #Schizosaccharomycetes.
1006. €£Hasegawaea. 0.872
1007. €£Schizosaccharomyces. 0.807
1008. #Pneumonocystidomycetes.
1009. €£Pneumocystis. 0.844
1010. #Neolectomycetes.
1011. €£Neolecta. 0.900
1012. Holozoa.
1013. Choanoflagellata.
1014. Metazoa (Animalia).
1015. !Porifera (Sponges).
1016. #Calcarea.
1017. {Calcinea.
1018. %Clathrinida.
1019. €&Clathrinidae. 0.659
1020. &Dendyidae.
1021. €£Dendya. 0.768
1022. €£Soleneiscus. 0.752
1023. &Levinellidae.
1024. €£Burtonulla. 0.752
1025. €£Levinella. 0.752
1026. €£Sycettaga. 0.780
1027. €&Leucaltidae. 0.671
1028. &Leucascidae.
1029. €£Ascaltis. 0.780
1030. €£Ascoleucetta. 0.752
1031. €£Leuascus. 0.752
1032. %Murrayonida.
1033. &Lelapiellidae.
1034. €£Lelapiella. 0.844
1035. &Murrayonidae.
1036. €£Murrayona^. 0.844
1037. &Paramurrayonidae.
1038. €£Paramurrayona. 0.844
1039. {Calcaronea.
1040. %Baerida.
1041. &Baeriidae.
1042. €£Eilhardia. 0.733
1043. €£Lamontia. 0.777
1044. €£Leuconia. 0.749
1045. €£Leucopsila. 0.777
1046. &Lepidoleuconidae.
1047. €£Lepidoleucon^. 0.833
1048. €&Petrobionidae. 0.789
1049. &Trichogypsiidae.
1050. €£Kuarrhaphis. 0.789
1051. €£Leucyssa. 0.761
1052. €£Trichogypsia. 0.761
1053. €%Leucosolenida / €%Sycettida. 0.648
1054. #Demospongiae.
1055. {Heteroscleromorpha.
1056. €%Agelasida. 0.601
1057. €%Axinellida. 0.536
1058. €%Biemnida. 0.643
1059. €%Bubarida. 0.615
1060. €%Clionaida. 0.557
1061. €%Desmacellida. 0.601
1062. €%Haplosclerida. 0.523
1063. €%Merliida. 0.638
1064. €%Poecilosclerida. 0.467
1065. €%Polymastiida. 0.585

1066. €%Scopalinida. 0.621
1067. €%Sphaerocladina. 0.721
1068. €%Spongillida. 0.564
1069. €%Suberitida. 0.560
1070. €%Tethyida. 0.585
1071. €%Tetractinellida. 0.529
1072. €%Trachycladida. 0.621
1073. {Keratosa.
1074. %Dendroceratida.
1075. &Darwinellidae.
1076. €£Aplysilla. 0.680
1077. €£Chelonaplysilla. 0.744
1078. €£Darwinella. 0.680
1079. €£Dendrilla. 0.696
1080. &Dictyodendrillidae.
1081. €£Acanthodendrilla. 0.761
1082. €£Dictyodendrilla. 0.789
1083. €£Igernella. 0.724
1084. €£Spongionella. 0.689
1085. %Dictyoceratida.
1086. €&Dysideidae. 0.637
1087. €&Irciniidae. 0.629
1088. €&Spongiidae. 0.622
1089. €&Thorectidae. 0.585
1090. €&Verticillitidae. 0.807
1091. {Verongimorpha.
1092. %Chondrillida.
1093. &Chondrillidae.
1094. €£Chondrilla. 0.675
1095. €£Thymosia^. 0.756
1096. €£Thymosiopsis. 0.784
1097. &Halisarcidae.
1098. €£Halisarca. 0.756
1099. €%Chondrosiida. 0.680
1100. %Verongida.
1101. €&Aplysinellidae. 0.643
1102. €&Aplysinidae. 0.615
1103. &Ernstillidae.
1104. €£Ernstilla^. 0.791
1105. €&Ianthellidae. 0.699
1106. &Pseudoceratinidae.
1107. €£Pseudoceratina. 0.699
1108. #Hexactinellida.
1109. {Amphidiscophora.
1110. %Amphidiscosida.
1111. &Hyalonematidae.
1112. €£Chalaronema. 0.800
1113. €£Composocalyx. 0.800
1114. €£Compsocalyx. 0.800
1115. €£Hyalonema. 0.643
1116. €£Lophophysema. 0.800
1117. €£Tabachnickia. 0.800
1118. &Monorhaphididae.
1119. €£Monorhaphis^. 0.872
1120. &Pheronematidae.
1121. €£Hernandeziana. 0.784
1122. €£Ijimalophus. 0.691
1123. €£Pheronema. 0.647
1124. €£Pheronemoides. 0.756
1125. €£Platylistrum. 0.784
1126. €£Poliopogon. 0.663
1127. €£Schulzeviella. 0.784
1128. €£Semperella. 0.719
1129. €£Sericolophus. 0.728
1130. {Hexasterophora.
1131. &Dactylocalycidae.
1132. €£Dactylocalyx. 0.780
1133. €£Exanthesis. 0.844
1134. €£Iphiteon. 0.816
1135. €£Moretiella. 0.844
1136. €£Ophrystoma. 0.844
1137. €£Paraplocia. 0.844
1138. %Lychniscosida.
1139. &Aulocystidae.
1140. €£Lychnocystis. 0.816
1141. €£Neoaulocystis. 0.816
1142. &Diapleuridae.
1143. €£Scleroplegma^. 0.816
1144. %Lyssacinosida.
1145. €£Clathrochone. 0.844
1146. €£Hyaloplacoida. 0.844
1147. €&Aulocalycidae. 0.680
1148. €&Euplectellidae. 0.624
1149. &Leucopsacidae.
1150. €£Chaunoplectella. 0.708
1151. €£Leucopsacus. 0.772
1152. €£Oopsacas. 0.772
1153. €&Rossellidae. 0.603
1154. %Sceptrulophora.
1155. €£Coronete. 0.816
1156. €£Cyrtaulon. 0.772
1157. €£Lefroyella. 0.816
1158. €£Verrucoeloidea. 0.816
1159. €&Aphrocallistidae. 0.719
1160. €&Auloplacidae. 0.784
1161. €&Craticulariidae. 0.784
1162. €&Cribrospongiidae. 0.784
1163. €&Euretidae. 0.691
1164. €&Farreidae. 0.647
1165. €&Fieldingiidae. 0.784
1166. €&Tretodictyidae. 0.663
1167. €&Uncinateridae. 0.784
1168. #Homoscleromorpha.
1169. &Plakinidae.
1170. €£Aspiculophora^. 0.838
1171. €£Corticium. 0.838
1172. €£Placinolopha . 0.838
1173. €£Plakina . 0.735
1174. €£Plakinastrella . 0.773
1175. €£Plakortis . 0.701
1176. €£Tetralophophora^. 0.838
1177. &Oscarellidae.
1178. €£Oscarella . 0.782
1179. €£Pseudocorticium^. 0.888
1180. Eumetazoa.
1181. !Placozoa [4].
1182. #Polyplacotomia.
1183. €£Polyplacotomia^. 0.972
1184. #Uniplacotomia.
1185. %Trichoplacea.
1186. €£Trichoplax^. 0.928
1187. €%Cladhexea. 0.928
1188. %Hoilungea.
1189. &Cladtertiidae.
1190. €£Cladtertia^. 0.900
1191. &Hoilungidae.
1192. €£Hoilungia^. 0.900
1193. !Ctenophora (Comb Jellies).
1194. #Tentaculata.
1195. %Cestida.
1196. €£Cestum^. 0.888
1197. €£Velamen^. 0.888
1198. %Cambojida.
1199. €£Cambodgia. 0.916
1200. %Cryptolobiferida.
1201. €£Cryptolobata. 0.888
1202. €£Lobocrypta. 0.888
1203. €%Cydippida. 0.746
1204. %Ganeshida.
1205. €£Ganesha. 0.916
1206. €%Lobata. 0.743
1207. €%Platyctenida. 0.780
1208. %Thalassocalycida.
1209. €£Thalassocalyce^. 0.916
1210. €#Nuda. 0.824
1211. !Cnidaria.
1212. [Anthozoa].
1213. #Octocorallia.
1214. €%Alcyonacea (€%Soft €%Corals). 0.567
1215. %Helioporacea.
1216. &Helioporidae.
1217. €£Heliopora. 0.835
1218. &Lithotelestidae.
1219. €£Epiphaxum. 0.807
1220. €£Nanipora. 0.807
1221. €%Pennatulacea (€%Sea €%Pens). 0.650
1222. #Hexocorallia.
1223. €%Actiniaria (€%Sea €%Anemones). 0.558
1224. €%Antipatharia (€%Black €%Corals). 0.621
1225. %Corallimorpharia.
1226. €&Corallimorphidae. 0.634
1227. €&Discosomidae. 0.694
1228. &Ricordeidae.
1229. €£Ricordea. 0.759
1230. €&Sideractinidae. 0.787
1231. €%Scleractinia (€%Stony €%Corals). 0.549
1232. €%Zoantharia. 0.605
1233. #Ceriantharia.
1234. %Spirularia.
1235. €&Botrucnidiferidae . 0.852
1236. €&Cerianthidae . 0.722
1237. %Penicillaria.
1238. €£Anactinia. 0.787
1239. €£Arachnactis. 0.787
1240. €£Arachnanthus. 0.787
1241. €£Dactylactis. 0.787
1242. €£Isapiactis. 0.787
1243. €£Isarachnactis. 0.787
1244. €£Isarachnanthus. 0.787
1245. €£Isovactis. 0.787
1246. €£Ovactis. 0.787
1247. €£Paranactinia. 0.787
1248. [Medusozoa].
1249. #Cubozoa (#Box #Jellyfish).
1250. %Carybdeida.
1251. &Alatinidae.
1252. €£Alatina. 0.726
1253. €£Manokia^. 0.771
1254. €£Keesingia^. 0.771
1255. €&Carukiidae. 0.694
1256. &Carybdeidae.
1257. €£Carybdea. 0.759
1258. &Tamoyidae.
1259. €£Tamoya. 0.771
1260. &Tripedaliidae.
1261. €£Copula. 0.787
1262. €£Tripedalia. 0.759
1263. %Chirodropida.
1264. &Chirodropidae.
1265. €£Chirodectes^. 0.791
1266. €£Chirodropus. 0.735
1267. €£Chironex . 0.747
1268. &Chiropsalmidae.
1269. €£Chiropsalmus. 0.735
1270. €£Chiropsoides. 0.807
1271. &Chiropsellidae .
1272. €£Chiropsella. 0.763
1273. €£Meteorona^. 0.807
1274. #Hydrozoa.
1275. [Hydroidolina].
1276. €%Anthoathecata. 0.594
1277. €%Leptothecata. 0.558
1278. €%Siphonophorae. 0.621
1279. [Trachylinae].
1280. %Actinulida.
1281. &Halammohydridae.
1282. €£Halammohydra. 0.773
1283. &Otohydridae .
1284. €£Otohydra. 0.801
1285. %Limnomedusae.

1286. €&Armorhydridae . 0.773
1287. €&Microhydrulidae . 0.746
1288. €&Monobrachiidae . 0.773
1289. €&Olindiidae . 0.673
1290. €%Narcomedusae. 0.672
1291. €%Tatalidoae. 0.801
1292. #Polypodiozoa.
1293. €£Polypodium^. 0.907
1294. #Scyphozoa (#True #Jellyfish).
1295. [Coronamedusae].
1296. %Coronatae.
1297. &Atollidae.
1298. €£Atolla. 0.699
1299. &Atorellidae.
1300. €£Atorella. 0.763
1301. €&Linuchidae. 0.747
1302. €&Nausithoidae. 0.735
1303. &Paraphyllinidae.
1304. €£Paraphyllina. 0.763
1305. €&Periphyllidae. 0.699
1306. [Discomedusae].
1307. %Rhizostomeae.
1308. €&Catostylidae. 0.634
1309. €&Lobonematidae. 0.706
1310. €&Lychnorhizidae. 0.726
1311. €&Rhizostomatidae. 0.618
1312. €&Stomolophidae. 0.743
1313. €&Cassiopeidae. 0.671
1314. €&Cepheidae. 0.699
1315. €&Mastigiidae. 0.678
1316. €&Thysanostomatidae. 0.715
1317. €&Versurigidae. 0.771
1318. %Semaeostomeae.
1319. &Cyaneidae.
1320. €£Cyanea. 0.682
1321. €£Desmonema. 0.743
1322. &Drymonematidae.
1323. €£Drymonema. 0.771
1324. €&Pelagiidae. 0.669
1325. &Phacellophoridae.
1326. €£Phacellophora^. 0.798
1327. €&Ulmaridae. 0.678
1328. #Staurozoa (#Stalked #Jellyfish).
1329. %Stauromedusae.
1330. &Craterolophidae.
1331. €£Craterolophus. 0.835
1332. &Kishinouyeidae.
1333. €£Calvadosia. 0.807
1334. &Haliclystidae.
1335. €£Depastromorpha . 0.771
1336. €£Depastrum . 0.771
1337. €£Haliclystus . 0.687
1338. €£Halimocyathus. 0.771
1339. €£Manania . 0.743
1340. &Kyopodiidae.
1341. €£Kyopoda^. 0.835
1342. &Lipkeidae.
1343. €£Lipkea. 0.835
1344. &Lucernariidae.
1345. €£Lucernaria. 0.735
1346. €£Stylocoronella. 0.807
1347. [Myxozoa].
1348. #Myxosporea.
1349. %Bivalvulida.
1350. €&Myxobolidae. 0.490
1351. &Sphaeromyxidae.
1352. €£Sphaeromyxa. 0.681
1353. €&Auerbachiidae. 0.773
1354. €&Alatasporidae. 0.746
1355. €&Ceratomyxidae. 0.606
1356. &Chloromyxidae.
1357. €£Chloromyxum. 0.630
1358. €&Coccomyxidae. 0.729
1359. €&Fabesporidae. 0.773
1360. €&Myxidiidae. 0.630
1361. €&Myxobilatidae. 0.718
1362. &Ortholineidae.
1363. €£Ortholinea. 0.773
1364. €&Parvicapsulidae. 0.630
1365. €&Sinuolineidae. 0.718
1366. &Sphaerosporidae.
1367. €£Sphaerospora. 0.612
1368. %Multivalvulida.
1369. &Kudoidae.
1370. €£Kudoa. 0.645
1371. &Spinavaculidae.
1372. €£Octospina . 0.835
1373. &Trilosporidae.
1374. €£Trilospora. 0.807
1375. €£Unicapsula . 0.780
1376. #Malacosporea.
1377. €£Buddenbrockia. 0.880
1378. €£Tetracapsuloides^. 0.880
1379. Bilateria.
1380. !Xenacoelomorpha [116].
1381. ~Xenoturbellida.
1382. €£Xenoturbella. 0.900
1383. ~Acoelomorpha.
1384. €#Acoela. 0.703
1385. #Nemertodermatida.
1386. &Ascopariidae.
1387. €£Ascoparia. 0.888
1388. €£Flagellophora^. 0.888
1389. &Nemertodermatidae.
1390. €£Meara^. 0.833
1391. €£Nemertinoides. 0.861
1392. €£Nemertoderma. 0.833
1393. €£Sterreria. 0.789
1394. Deuterostomia.
1395. !Chordata.
1396. #Cephalocordata (#Lancelets).
1397. €£Asymmetron. 0.867
1398. €£Branchiostoma. 0.731
1399. €£Epigonichthys. 0.823
1400. #Tunicata.
1401. {(poly) Ascidiacea (Sea Squirts).
1402. €%Aplousobranchia. 0.573
1403. €%Phlebobranchia. 0.610
1404. %Stolidobranchia .
1405. €&Molgulidae. 0.594
1406. €&Pyuridae. 0.578
1407. €&Styelidae. 0.529
1408. {Thaliacea.
1409. %Pyrosomida.
1410. €£Pyrosoma. 0.768
1411. €%Salpida. 0.659
1412. €%Doliolida. 0.694
1413. {Appendicularia (Larvaceans).
1414. &Kowalevskiidae.
1415. €£Kowalevskia. 0.823
1416. &Fritillariidae .
1417. €£Appendicularia . 0.614
1418. €£Tectillaria . 0.751
1419. €£Fritillaria . 0.659
1420. €&Oikopleuridae . 0.666
1421. #Cyclostomi.
1422. {Myxini (Hagfishes).
1423. €£Rubicundus. 0.812
1424. €£Eptatretus. 0.663
1425. €£Myxine. 0.675
1426. €£Nemamyxine. 0.784
1427. €£Neomyxine. 0.812
1428. €£Notomyxine. 0.812
1429. {Hyperoartia (Lampreys).
1430. &Geotriidae.
1431. €£Geotria. 0.812
1432. &Mordaciidae.
1433. €£Mordacia. 0.795
1434. €&Petromyzontidae. 0.691
1435. #Chondrichthyes.
1436. {Elasmobranchii.
1437. [Selachimorpha].
1438. €%Carcharhiniformes. 0.543
1439. €%Lamniformes (€%Mackerel €%Sharks). 0.663
1440. €%Orectolobiformes (€%Carpet €%Sharks). 0.624
1441. %Heterodontiformes (%Bullhead %Sharks).
1442. €£Heterodontus. 0.684
1443. €%Squaliformes. 0.580
1444. %Squatiniformes (%Angel %Sharks).
1445. €£Squatina. 0.648
1446. €%Pristiophoriformes (€%Saw €%Sharks). 0.689
1447. €%Hexanchiformes. 0.700
1448. [Batoidea (Rays)].
1449. €%Myliobatiformes. 0.629
1450. €%Rajiformes. 0.571
1451. €%Rhinopristiformes. 0.639
1452. €%Torpediniformes (€%Electric €%Rays). 0.635
1453. {Holocephali (Chimaeras).
1454. &Callorhinchidae.
1455. €£Callorhinchus. 0.795
1456. &Chimaeridae.
1457. €£Chimaera. 0.654
1458. €£Hydrolagus. 0.682
1459. &Rhinochimaeridae.
1460. €£Harriotta. 0.768
1461. €£Neoharriotta. 0.795
1462. €£Rhinochimaera. 0.751
1463. (para) "#Bony #Fishes".
1464. {Actinopterygii (Ray-Finned Fish).
1465. [Cladistia (Bichirs)].
1466. €£Erpetoichthys^. 0.856
1467. €£Polypterus . 0.744
1468. [Actinopteri].
1469. [Chondrostei (Sturgeon and Paddlefish)].
1470. &Acipenseridae.
1471. €£Acipenser (paraphyletic). 0.671
1472. €£Huso. 0.772
1473. €£Scaphirhynchus. 0.756
1474. €£Pseudoscaphirhynchus. 0.772
1475. &Polyodontidae.
1476. €£Polyodon^. 0.856
1477. [Neopterygii].
1478. [Holostei (Bowfin and Gars)].
1479. %Amiiformes.
1480. €£Amia. 0.741
1481. %Lepisosteiformes.
1482. €£Atractosteus. 0.669
1483. €£Lepisosteus. 0.657
1484. [Teleostei].
1485. €%Hiodontiformes (mooneyes). 0.713
1486. €%Osteoglossiformes (bonytongues, elephantfishes) . 0.524
1487. €%Elopiformes (tenpounders, tarpons). 0.669
1488. €%Albuliformes (€%Japanese gissus and bonefishes) . 0.641
1489. €%Notacanthiformes (deep sea spiny eels). 0.598
1490. €%Anguilliformes (true eels). 0.472
1491. €%Clupeiformes (herrings). 0.500

1492. €%Alepocephaliformes (slickheads). 0.560
1493. €%Gonorynchiformes (milkfish). 0.592
1494. €%Cypriniformes (minnows, carps, loaches). 0.419
1495. €%Characiformes (tetras, piranhas). 0.442
1496. €%Gymnotiformes (knifefish and electric eels). 0.528
1497. €%Siluriformes (catfish) . 0.419
1498. €%Lepidogalaxiiformes (salamanderfish). 0.741
1499. €%Argentiniformes (marine smelts). 0.583
1500. €%Galaxiiformes (whitebait, mudfishes). 0.620
1501. €%Esociformes (pike). 0.648
1502. €%Salmoniformes (salmon, trout). 0.573
1503. €%Stomiiformes (dragonfish). 0.498
1504. €%Osmeriformes (smelt). 0.556
1505. €%Ateleopodiformes (jellynoses). 0.648
1506. €%Aulopiformes (lizardfish). 0.526
1507. €%Myctophiformes (lanternfish). 0.519
1508. €%Lampriformes (oarfish, opah, ribbonfish). 0.620
1509. €%Percopsiformes (troutperches). 0.648
1510. €%Zeiformes (dories). 0.598
1511. €%Stylephoriformes (tube-eyes/thread-fins). 0.741
1512. €%Gadiformes (cods). 0.484
1513. €%Polymixiiformes (beardfish). 0.648
1514. €%Beryciformes (alfonsinos, whalefishes). 0.539
1515. €%Trachichthyiformes (pinecone fishes, slimeheads). 0.567
1516. €%Holocentriformes (squirrelfish, soldier fishes). 0.562
1517. €%Percomorpha. 0.370
1518. {Sarcopterygii (Lob-Finned Fish).
1519. }Actinistia (Coelacanth).
1520. €£Latimeria^. 0.828
1521. }Rhipidistia.
1522. €£Neoceratodus^. 0.812
1523. €£Lepidosiren^. 0.812
1524. €£Protopterus. 0.756
1525. #Lissamphibia.
1526. %Urodela (%Salamanders).
1527. €&Cryptobranchidae (giant salamanders €& hellbenders). 0.719
1528. €&Hynobiidae (€&Asiatic salamanders). 0.611
1529. €&Sirenidae (sirens). 0.719
1530. €&Salamandridae (true salamanders €& newts). 0.582
1531. €&Ambystomatidae (axolotls €& tiger salamanders). 0.635
1532. €&Dicamptodontidae (€&Pacific giant salamanders). 0.719
1533. €&Proteidae (olms €& waterdogs). 0.703
1534. €&Rhyacotritonidae (torrent salamanders). 0.719
1535. €&Amphiumidae (amphiumas). 0.731
1536. €&Plethodontidae (lungless salamanders). 0.529
1537. €%Anura (€%Frogs). 0.509
1538. %Gymnophiona (%Caecilians).
1539. €&Caeciliidae. 0.625
1540. &Chikilidae.
1541. €£Chikila. 0.719
1542. €&Dermophiidae. 0.654
1543. €&Herpelidae. 0.682
1544. €&Ichthyophiidae. 0.618
1545. €&Grandisoniidae. 0.666
1546. €&Rhinatrematidae. 0.686
1547. €&Scolecomorphidae. 0.697
1548. €&Siphonopidae. 0.645
1549. €&Typhlonectidae. 0.672
1550. (poly) "#Reptiles".
1551. €%Testudines (€%Turtles). 0.620
1552. %Crocodilia.
1553. €&Alligatoridae (€&Alligators €& €&Caimans). 0.728
1554. &Gavialidae.
1555. €£Gavialis^. 0.784
1556. €£Tomistoma^. 0.784
1557. €&Crocodylidae (€&Crocodiles). 0.703
1558. [Lepidosauria].
1559. %Rhychocephalia (%Tuatara).
1560. €£Sphenodon^. 0.856
1561. €%Squamata (€%Lizards and €%Snakes). 0.485
1562. #Aves (#Birds).
1563. [Palaeognathae (Ratites)].
1564. %Struthioniformes (%Ostriches).
1565. €£Struthio. 0.763
1566. %Rheiformes (%Rheas).
1567. €£Rhea. 0.735
1568. %Apterygiformes (%Kiwis).
1569. €£Apteryx. 0.699
1570. €%Casuariiformes (€%Emu and €%Cassowaries). 0.708
1571. €%Tinamiformes (€%Tinamous). 0.608
1572. [Neognathae].
1573. [Galloanseres].
1574. €%Galliformes (€%Land €%Fowl). 0.534
1575. €%Anseriformes (€%Water €%Fowl). 0.557
1576. [Neoaves].
1577. €%Caprimulgiformes (€%Nightjars, frogmouths, potoos, oilbirds). 0.571
1578. €%Apodiformes (€%Owlet-nightjars, treeswifts, swifts, hummingbirds). 0.515
1579. €%Musophagiformes (€%Turacos). 0.637
1580. €%Otidiformes (€%Bustards). 0.634
1581. €%Cuculiformes (€%Cuckoos). 0.562
1582. €%Mesitornithiformes (€%Mesites). 0.719
1583. €%Pterocliformes (€%Sandgrouse). 0.652
1584. €%Columbiformes (€%Pigeons). 0.534
1585. €%Gruiformes (€%Rails and allies, flufftails, finfoots, cranes, limpkin, and trumpeters). 0.546
1586. €%Podicipediformes (€%Grebes). 0.639
1587. €%Phoenicopteriformes (€%Flamingos). 0.691
1588. €%Charadriiformes (sandpipers, plovers, phalaropes, stilts, jacanas, painted snipes, pratincoles, gulls and terns, seedsnipes, sheathbills, skimmers, skuas, auks). 0.523
1589. €%Eurypygiformes (€%Sunbittern, €%Kagu). 0.735
1590. %Phaethontiformes (%Tropicbirds).
1591. €£Phaethon. 0.719
1592. [Aequornithes (Core Waterbirds)].
1593. %Gaviiformes (%Loons).
1594. €£Gavia. 0.699
1595. €%Sphenisciformes (€%Penguins). 0.647
1596. €%Procellariiformes (€%Tube-nosed seabirds: petrels, shearwaters, albatrosses, storm petrels, diving petrels). 0.565
1597. €%Ciconiiformes (€%Storks). 0.645
1598. €%Suliformes (€%Totipalmate water and diving birds: frigatebirds, cormorants, anhingas, and boobies). 0.599
1599. €%Pelecaniformes (€%Ibis, herons, pelicans, €%Hammerkop, €%Shoebill). 0.574
1600. %Opisthocomiformes (%Hoatzin).
1601. €£Opisthocomus^. 0.763
1602. [Telluraves (Core Landbirds)].
1603. €%Accipitriformes (€%Raptors including €%New €%World €%Vultures). 0.541
1604. €%Strigiformes (€%Owls). 0.541
1605. €%Coliiformes (€%Mousebirds). 0.691
1606. %Leptosomiformes (%Cuckoo %Roller).
1607. €£Leptosomus^. 0.763
1608. €%Trogoniformes (€%Trogons, quetzals). 0.615
1609. €%Bucerotiformes (€%Hornbills, hoopoes, wood hoopoes). 0.592
1610. €%Coraciiformes (€%Kingfishers and allies: rollers, todies, motmots, bee-eaters). 0.552
1611. €%Piciformes (€%Woodpeckers and allies). 0.522
1612. [Australaves (Terminal Landbird Clade)].
1613. €%Cariamiformes (€%Seriemas). 0.735
1614. €%Falconiformes (€%Falcons). 0.599
1615. €%Psittaciformes (€%Parrots). 0.522
1616. €%Passeriformes (€%Perching birds). 0.410
1617. #Mammalia.
1618. €%Monotremata. 0.713
1619. [Theria].
1620. [Marsupialia].

1621. €%Didelphimorphia (€%Opossums). 0.589
1622. €%Paucituberculata (€%Shrew €%Opossums). 0.706
1623. %Microbiotheria.
1624. €£Dromiciops^. 0.778
1625. €%Dasyuromorphia. 0.607
1626. €%Peramelemorphia (€%Bandicoots and €%Bilbies). 0.655
1627. %Notoryctemorphia (%Marupial %Moles).
1628. €£Notoryctes . 0.750
1629. €%Diprotodontia. 0.575
1630. [Placentalia].
1631. [Atlantogenata].
1632. [Xenarthra].
1633. €%Cingulata (€%Armadillos). 0.655
1634. €%Pilosa (€%Anteaters and €%Sloths). 0.685
1635. [Afrotheria].
1636. %Tubulidentata (%Aardvark).
1637. €£Orycteropus^. 0.778
1638. €%Macroscelidea (€%Elephant €%Shrews). 0.659
1639. €%Afrosoricida (€%Otter €%Shrews, €%Tenrecs, and €%Golden €%Moles). 0.620
1640. €%Hyracoidea (€%Hyraxes). 0.706
1641. €%Proboscidea (€%Elephants). 0.733
1642. €%Sirenia (€%Dugong and €%Manatees). 0.722
1643. [Boroeutheria].
1644. [Supraprimates].
1645. €%Lagomorpha (€%Rabbits, €%Hares, and €%Pikas). 0.597
1646. €%Rodentia. 0.472
1647. €%Dermoptera (€%Colugos). 0.750
1648. €%Primates. 0.527
1649. €%Scandentia (€%Tree €%Shrews). 0.657
1650. [Laurasiatheria].
1651. €%Lipotyphla (€%Hedgehogs, €%Moles, and €%Shrews). 0.532
1652. €%Chiroptera (€%Bats). 0.486
1653. €%Carnivora. 0.551
1654. €%Pholidota (€%Pangolins). 0.694
1655. €%Perissodactyla (€%Odd-€%Toed €%Ungulates). 0.666
1656. €%Artiodactyla (€%Even-€%Toed €%Ungulates). 0.557
1657. €%Cetacea (€%Whales). 0.597
1658. !Hemichordata (Acorn Worms) [25].
1659. #Planctosphaeroidea.
1660. €£Planctosphaea^. 0.956
1661. €#Enteropneusta. 0.780
1662. #Pterobranchia.
1663. %Cephalodiscida.
1664. €£Atubaria^. 0.900
1665. €£Cephalodiscus. 0.782
1666. %Graptolithina (%Graptolites).
1667. €£Rhabdopleura. 0.884
1668. !Echinodermata.
1669. #Crinoidea.
1670. €%Comatulida. 0.618
1671. %Cyrtocrinida.
1672. €&Sclerocrinidae. 0.807
1673. &Eudesicrinidae.
1674. €£Eudesicrinus. 0.807
1675. €£Proeudesicrinus. 0.807
1676. &Holopodidae.
1677. €£Cyathidium. 0.807
1678. €£Holopus. 0.807
1679. €%Hyocrinida. 0.694
1680. %Isocrinida.
1681. &Cainocrinidae.
1682. €£Nielsenicrinus^. 0.787
1683. €£Teliocrinus^. 0.787
1684. &Isocrinidae.
1685. €£Hypalocrinus^. 0.771
1686. €£Neocrinus. 0.743
1687. €£Metacrinus. 0.706
1688. €&Isselicrinidae. 0.731
1689. &Proisocrinidae.
1690. €£Proisocrinus^. 0.815
1691. €&Pentacrinitidae. 0.759
1692. #Holothuroidea.
1693. €%Apodida. 0.658
1694. €%Dendrochirotida. 0.640
1695. €%Elasipodida. 0.686
1696. €%Holothuriida. 0.656
1697. €%Molpadida. 0.683
1698. €%Persiculida. 0.737
1699. €%Synallactida. 0.664
1700. #Echinoidea.
1701. €%Cidaroida (pencil urchins). 0.644
1702. €%Cassiduloida. 0.672
1703. €%Spatangoida (heart urchins). 0.620
1704. €%Diadematoida. 0.664
1705. %Echinothurioida.
1706. €&Echinothuriidae. 0.664
1707. €&Kamptosomatidae. 0.757
1708. €&Phormosomatidae. 0.741
1709. €%Pedinoida. 0.729
1710. €%Caenopedina. 0.829
1711. €%Arbacioida. 0.681
1712. €%Echinoida. 0.620
1713. €%Phymosomatoida. 0.720
1714. €%Salenioida. 0.757
1715. %Temnopleuroida.
1716. €&Temnopleuridae. 0.664
1717. €&Trigonocidaridae. 0.709
1718. €%Clypeasteroida (sand dollars). 0.640
1719. €%Holectypoida. 0.785
1720. #Asteroidea.
1721. %Peripodida (%Sea %Daisies).
1722. €£Xyloplax. 0.852
1723. %Brisingida.
1724. €&Brisingidae. 0.666
1725. €&Freyellidae. 0.675
1726. €%Forcipulatida. 0.628
1727. €%Spinulosida. 0.731
1728. €%Notomyotida. 0.715
1729. €%Paxillosida. 0.659
1730. €%Valvatida. 0.611
1731. %Velatida.
1732. €&Caymanostellidae. 0.796
1733. €&Korethrasteridae. 0.768
1734. €&Myxasteridae. 0.768
1735. €&Pterasteridae. 0.625
1736. #Ophiuroidea.
1737. %Euryalida.
1738. €&Asteronychidae. 0.722
1739. €&Asteroschematidae. 0.694
1740. €&Gorgonocephalidae. 0.639
1741. €&Euryalidae. 0.694
1742. €%Ophiurida. 0.565
1743. %Amphilepidida.
1744. €&Amphilepididae. 0.617
1745. €&Amphilimnidae. 0.709
1746. €&Amphiuridae. 0.533
1747. €&Hemieuryalidae. 0.709
1748. €&Ophiactidae. 0.589
1749. €&Ophiolepididae. 0.603
1750. €&Ophionereididae. 0.617
1751. €&Ophiopholidae. 0.654
1752. €&Ophiopsilidae. 0.589
1753. €&Ophiothamnidae. 0.665
1754. €&Ophiotrichidae. 0.561
1755. %Ophiacanthida.
1756. €&Ophiodermatidae. 0.617
1757. €&Ophiomyxidae. 0.637
1758. €&Ophiopezidae. 0.682
1759. €&Ophiocomidae. 0.589
1760. €&Clarkcomidae. 0.709
1761. €&Ophiacanthidae. 0.552
1762. €&Ophiobyrsidae. 0.665
1763. €&Ophiocamacidae. 0.626
1764. €&Ophiopteridae. 0.730
1765. €&Ophiotomidae. 0.774
1766. €&Ophiojuridae. 0.730
1767. %Ophioscolecida.
1768. &Ophiohelidae.
1769. €£Ophiohelus. 0.787
1770. €£Ophiomyces. 0.787
1771. €£Ophiothauma. 0.787
1772. €£Ophiotholia. 0.787
1773. €&Ophioscolecidae. 0.750
1774. Protostomia.
1775. Edysozoa.
1776. !Kinorhyncha (Mud Dragons) [28].
1777. €#Cyclorhagida. 0.835
1778. €#Allomalorhagida. 0.852
1779. !Loricifera [10].
1780. &Nanaloricidae.
1781. €£Nanaloricus. 0.847
1782. €£Armorloricus. 0.891
1783. €£Australoricus^. 0.891
1784. €£Phoenicoloricus^. 0.891
1785. €£Spinoloricus. 0.891
1786. &Pliciloricidae.
1787. €£Pliciloricus. 0.856
1788. €£Rugiloricus. 0.900
1789. €£Titaniloricus^. 0.900
1790. €£Wataloricus^. 0.900
1791. &Urnaloricidae.
1792. €£Urnaloricus. 0.956
1793. !Priapulida (Penis Worms) [7].
1794. %Halicryptomorpha.
1795. €£Halicryptus. 0.900
1796. %Meiopriapulomorpha.
1797. €£Meiopriapulus^. 0.944
1798. %Priapulomorpha.
1799. &Priapulidae.
1800. €£Acanthopriapulus. 0.833
1801. €£Priapulopsis. 0.861
1802. €£Priapulus. 0.816
1803. &Tubiluchidae.
1804. €£Tubiluchus. 0.844
1805. %Seticoronaria.
1806. €£Maccabeus. 0.944
1807. €!Nematoda (Round Worms) [unreliable]. 0.593
1808. !Nematomorpha (Horsehair Worms) [14].
1809. €%Gordioidea. 0.737
1810. %Nectonematoidea.
1811. €£Nectonema. 0.944
1812. !Onychophora (Velvet Worms) [54].
1813. €&Peripatidae. 0.829
1814. €&Peripatopsidae. 0.824
1815. !Arthropoda.
1816. ~Chelicerata.
1817. #Pycnogonida (#Sea #Spiders).
1818. €&Ammotheidae. 0.611

1819. €&Pallenosidae. 0.683
1820. €&Ascorhynchidae. 0.639
1821. &Colossendeidae.
1822. €£Colossendeis. 0.595
1823. €£Decolopoda. 0.732
1824. €£Dodecolopoda^. 0.732
1825. €£Hedgpethia. 0.704
1826. €£Pentacolossendeis^. 0.732
1827. €£Rhopalorhynchus. 0.667
1828. &Pycnogonidae.
1829. €£Pentapycnon. 0.759
1830. €£Pycnogonum. 0.586
1831. €£Pycnopallene. 0.732
1832. €&Rhynchothoracidae. 0.759
1833. &Callipallenidae.
1834. €£Austropallene. 0.715
1835. €£Bathypallenopsis. 0.623
1836. €£Callipallene. 0.660
1837. €£Oropallene. 0.715
1838. €£Pallenopsis. 0.551
1839. €£Parapallene. 0.623
1840. €£Propallene. 0.715
1841. €£Pseudopallene. 0.687
1842. €£Stylopallene. 0.715
1843. &Nymphonidae.
1844. €£Boreonymphon. 0.661
1845. €£Bradypallene^. 0.725
1846. €£Heteronymphon. 0.697
1847. €£Neonymphon^. 0.725
1848. €£Nymphon. 0.533
1849. €£Pentanymphon^. 0.725
1850. €£Sexanymphon^. 0.725
1851. €&Endeidae. 0.695
1852. &Phoxichilidiidae.
1853. €£Anoplodactylus. 0.558
1854. €£Phoxichilidium. 0.695
1855. €£Phoxiphilyra. 0.732
1856. &Austrodecidae.
1857. €£Austrodecus. 0.639
1858. €£Pantopipetta. 0.776
1859. #Xiphosura (#Horseshoe #Crabs).
1860. €£Carcinoscorpius^. 0.856
1861. €£Limulus^. 0.856
1862. €£Tachypleus. 0.828
1863. #Dekatriata (incl. #Arachnida).
1864. €%Opiliones (€%Harvestmen). 0.451
1865. €%Solifugae (€%Camel €%Spiders). 0.522
1866. €%Acariformes (€%Mites). 0.365
1867. €%Parasitiformes (€%Mites and €%Ticks). 0.426
1868. %Palpigradi (%Micro-%Whipscorpions).
1869. €&Eukoeneniidae. 0.748
1870. &Prokoeneniidae.
1871. €£Prokoenenia. 0.683
1872. €£Triadokoenenia^. 0.748
1873. [Panscorpiones].
1874. €%Pseudoscorpiones (€%Pseudoscorpions). 0.472
1875. €%Scorpiones (€%Scorpions). 0.491
1876. [Pantetrapulmonata].
1877. %Amblypygi (%Whip %Spiders).
1878. €&Paracharontidae. 0.695
1879. €&Charinidae. 0.630
1880. &Charontidae.
1881. €£Charon. 0.674
1882. €&Phrynichidae. 0.618
1883. €&Phrynidae. 0.646
1884. %Schizomida (%Short-%Tailed %Whipscorpions).
1885. €&Hubbardiidae. 0.639
1886. &Protoschizomidae.
1887. €£Agastoschizomus. 0.683
1888. €£Protoschizomus. 0.704
1889. €%Uropygi (€%Whip €%Scorpions). 0.611
1890. €%Aranae (€%Spiders). 0.370
1891. ~Myriapoda.
1892. #Chilopoda (#Centipedes).
1893. €%Scutigeromorpha (€%House €%Centipedes). 0.639
1894. €%Lithobiomorpha (€%Stone €%Centipedes). 0.530
1895. %Craterostigmomorpha.
1896. €£Craterostigmus. 0.796
1897. €%Scolopendromorpha (€%Tropical/€%Bark €%Centipedes). 0.567
1898. €%Geophilomorpha (€%Soil €%Centipedes). 0.535
1899. #Diplopoda (#Milipedes).
1900. €%Glomeridesmida . 0.687
1901. €%Glomerida (€%Northern €%Pill €%Millipedes). 0.550
1902. €%Sphaerotheriida (€%Giant €%Pill €%Millipedes). 0.622
1903. €%Platydesmida. 0.643
1904. €%Polyzoniida. 0.650
1905. €%Siphonocryptida. 0.687
1906. €%Siphonophorida. 0.603
1907. €%Julida. 0.511
1908. €%Spirobolida. 0.530
1909. €%Spirostreptida. 0.494
1910. €%Callipodida. 0.594
1911. €%Chordeumatida (€%Sausage €%Millipedes). 0.530
1912. €%Stemmiulida. 0.631
1913. %Siphoniulida.
1914. €£Siphoniulus. 0.752
1915. €%Polydesmida. 0.451
1916. #Pauropoda.
1917. %Hexamerocerata.
1918. €£Millotauropus. 0.861
1919. €%Tetramerocerata. 0.703
1920. #Symphyla (#Pseudocentipedes).
1921. €&Scutigerellidae. 0.777
1922. €&Scolopendrellidae. 0.782
1923. ~(para) "Crustaceans".
1924. {Oligostraca.
1925. }Ostracoda (Seed Shrimp).
1926. €%Myodocopida. 0.571
1927. %Halocyprida.
1928. €&Polycopidae . 0.603
1929. €&Deeveyidae. 0.659
1930. €&Halocypridae. 0.522
1931. €&Thaumatocyprididae. 0.567
1932. %Palaeocopida.
1933. €£Manawa. 0.708
1934. €£Promanawa. 0.735
1935. €£Puncia. 0.735
1936. €%Platycopida. 0.615
1937. €%Podocopida. 0.451
1938. }Mystacocarida.
1939. €£Ctenocheilocaris. 0.816
1940. €£Derocheilocaris. 0.816
1941. }Branchiura (Fish Lice).
1942. €£Argulus. 0.587
1943. €£Chonopeltis. 0.696
1944. €£Dipteropeltis. 0.789
1945. €£Dolops. 0.717
1946. }Pentastomida (Tongue Worms).
1947. %Cephalobaenida.
1948. €£Cephalobaena^. 0.789
1949. %Porocephalida.
1950. €&Linguatulidae. 0.640
1951. &Subtriquetridae.
1952. €£Subtriquetra. 0.733
1953. €&Porocephalidae. 0.596
1954. €&Sebekidae. 0.677
1955. €%Raillietiellida. 0.680
1956. %Reighardiida.
1957. €£Hispania. 0.733
1958. €£Reighardia. 0.733
1959. {Multicrustacea.
1960. }Thecostraca.
1961. \Facetotecta.
1962. €£Hansenocaris. 0.812
1963. \Ascothoracida.
1964. %Dendrogastrida.
1965. €&Ascothoracidae. 0.603
1966. €&Ctenosculidae. 0.675
1967. €&Dendrogastridae. 0.610
1968. %Laurida.
1969. €&Lauridae. 0.712
1970. €&Petrarcidae. 0.684
1971. €&Synagogidae . 0.712
1972. \Cirripedia (Barnacles).
1973. €%Lithoglyptida (€%Calcareous €%Borers). 0.580
1974. €%Cryptophialida (€%Calcareous €%Borers). 0.614
1975. €%Rhizocephala (€%Parasitic €%Castrators). 0.501
1976. €%Balanomorpha. 0.522
1977. €%Calanticomorpha. 0.659
1978. €%Iblomorpha. 0.651
1979. €%Pollicipedomorpha. 0.587
1980. €%Scalpellomorpha. 0.542
1981. €%Verrucomorpha. 0.587
1982. }Copepoda.
1983. €%Calanoida. 0.458
1984. €%Cyclopoida. 0.462
1985. %Gelyelloida.
1986. €£Gelyella. 0.763
1987. €%Harpacticoida. 0.439
1988. %Misophrioida.
1989. €&Misophriidae. 0.582
1990. &Palpophriidae.
1991. €£Palpophria. 0.719
1992. €&Speleophriidae. 0.626
1993. €%Monstrilloida. 0.571
1994. %Mormonilloida.
1995. €£Mormonilla. 0.708
1996. €£Neomormonilla. 0.708
1997. €%Platycopioida. 0.606
1998. %Polyarthra.
1999. €&Canuellidae. 0.615
2000. &Longipediidae.
2001. €£Longipedia. 0.643
2002. €%Siphonostomatoida. 0.458
2003. }Malacostraca.
2004. \Eumalacostraca.
2005. |Syncarida.
2006. %Anaspidacea.
2007. €&Anaspididae. 0.591
2008. €&Koonungidae. 0.600
2009. €&Psammaspididae. 0.656
2010. €&Stygocarididae. 0.612
2011. %Bathynellacea.
2012. €&Bathynellidae. 0.510
2013. €&Parabathynellidae. 0.499
2014. €|Peracarida. 0.369
2015. |Eucarida.
2016. €%Decapoda (incl. €%Crabs, €%Lobsters, €%Crayfish, €%Shrimp, €%Prawns). 0.339
2017. €%Euphausiacea (€%Krill). 0.545

2018. %Amphionidacea.
2019. €£Amphionides^. 0.723
2020. \Hoplocarida (Mantis Shrimps).
2021. &Gonodactylidae.
2022. €£Gonodactylus^. 0.635
2023. &Hemisquillidae.
2024. €£Hemisquilla. 0.684
2025. &Lysiosquillidae.
2026. €£Lysioquilla. 0.635
2027. &Nannosquillidae.
2028. €£Nannosquilla^. 0.656
2029. €£Platysquilla^. 0.700
2030. &Odontodactylidae.
2031. €£Odontodactylus. 0.656
2032. &Pseudosquillidae.
2033. €£Pseudosquilla^. 0.644
2034. &Squillidae.
2035. €£Oratosquilla^. 0.591
2036. €£Rissoides^. 0.656
2037. €£Squilla. 0.591
2038. &Tetrasquillidae.
2039. €£Heterosquilla^. 0.728
2040. \Phyllocarida.
2041. &Nebaliidae.
2042. €£Nebalia. 0.610
2043. €£Nebaliella. 0.675
2044. €£Dahlella^. 0.703
2045. €£Sarsinebalia. 0.675
2046. €£Speonebalia . 0.638
2047. &Nebaliopsididae.
2048. €£Nebaliopsis^. 0.740
2049. €£Pseudonebaliopsis^. 0.740
2050. &Paranebaliidae.
2051. €£Levinebalia. 0.723
2052. €£Paranebalia. 0.668
2053. €£Saronebalia. 0.723
2054. {Allotriocarida (para, excl. Hexapods).
2055. \Cephalocarida (Horseshoe Shrimp).
2056. €£Chiltoniella^. 0.780
2057. €£Hampsonellus^. 0.780
2058. €£Hutchinsoniella^. 0.780
2059. €£Lightiella. 0.780
2060. €£Sandersiella. 0.780
2061. \Branchiopoda.
2062. €%Anostraca (€%Fairy €%Shrimp). 0.531
2063. €%Anomopoda (€%Water €%Fleas). 0.483
2064. %Ctenopoda.
2065. &Holopediidae.
2066. €£Holopedium. 0.661
2067. &Pseudopenilidae.
2068. €£Pseudopenilia^. 0.717
2069. €&Sididae. 0.608
2070. %Cyclestherida (%Clam %Shrimps).
2071. €£Cyclestheria^. 0.733
2072. €£Paracyclestheria. 0.733
2073. %Haplopoda (%Water %Fleas).
2074. €£Leptodora. 0.761
2075. €%Laevicaudata (€%Clam €%Shrimps). 0.640
2076. %Onychopoda.
2077. €&Cercopagididae. 0.608
2078. €&Podonidae. 0.617
2079. &Polyphemidae .
2080. €£Polyphemus. 0.717
2081. €%Spinicaudata (€%Clam €%Shrimps). 0.603
2082. \Remipedia.
2083. €&Micropacteridae. 0.761
2084. &Godzilliidae.
2085. €£Godzilliognomus. 0.733
2086. €£Godzillius. 0.733
2087. €&Kumongidae. 0.733
2088. €&Cryptocorynetidae. 0.696
2089. €&Morlockiidae. 0.717
2090. &Speleonectidae.
2091. €£Lasionectes^. 0.733
2092. €£Speleonectes. 0.655
2093. €&Xibalbanidae. 0.761
2094. €&Pleomothridae. 0.761
2095. ~Hexapoda.
2096. %Protura (%Coneheads).
2097. €&Hesperentomidae. 0.655
2098. €&Protentomidae. 0.673
2099. €&Acerentomidae. 0.629
2100. &Antelientomidae.
2101. €£Antelientomon. 0.738
2102. €&Eosentomidae. 0.590
2103. &Fujientomidae.
2104. €£Fujientomon. 0.710
2105. &Sinentomidae.
2106. €£Sinentomon. 0.710
2107. €%Diplura (€%Two-€%Pronged €%Bristletails). 0.548
2108. #Collembola.
2109. €%Entomobryomorpha. 0.455
2110. €%Poduromorpha. 0.459
2111. €%Symphypleona. 0.472
2112. %Neelipleona .
2113. €£Megalothorax. 0.621
2114. €£Neelides. 0.705
2115. €£Neelus. 0.705
2116. €£Zelandothorax . 0.705
2117. #Insecta.
2118. %Archaeognatha (%Jumping %Bristletails).
2119. €&Machilidae. 0.459
2120. &Meinertellidae.
2121. €£Macropsontus. 0.627
2122. €£Neomachilellus. 0.627
2123. %Zygentoma (%Silverfish and %Firebrats).
2124. &Lepidotrichidae.
2125. €£Tricholepidion^. 0.618
2126. €&Lepismatidae. 0.399
2127. &Maindroniidae.
2128. €£Maindronia. 0.618
2129. €&Nicoletiidae. 0.441
2130. €&Protrinemuridae. 0.618
2131. [Pterygota].
2132. €%Ephemeroptera (€%Mayflies). 0.357
2133. %Odonata (%Dragonflies and %Damselflies).
2134. €£Epiophlebia. 0.638
2135. €Families of Damselflies - Zygoptera. 0.333
2136. €Families of Dragonflies - Anisoptera. 0.331
2137. [Neoptera].
2138. €%Psocodea (€%Booklice+). 0.333
2139. €%Thysanoptera (€%Thrips). 0.333
2140. %Hemiptera: %Heteroptera (%True %Bugs).
2141. €&Enicocephalidae (€&Unique-headed bugs). 0.253
2142. &Dipsocoridae (&Jumping ground bugs).
2143. €£Alpagut. 0.438
2144. €£Cryptostemma. 0.438
2145. €£Pachycoleus. 0.438
2146. €&Schizopteridae. 0.281
2147. €&Gerridae (€&Water striders). 0.219
2148. €&Hydrometridae (€&Water measurers). 0.287
2149. €&Veliidae (€&Riffle bugs). 0.247
2150. €&Hebridae (€&Velvet water bugs). 0.278
2151. €&Mesoveliidae (€&Water treaders). 0.345
2152. €&Nepidae (€&Water scorpions). 0.334
2153. €&Belostomatidae (€&Giant water bugs). 0.278
2154. €&Corixidae (€&Water boatmen). 0.232
2155. €&Notonectidae (€&Backswimmers). 0.247
2156. €&Naucoridae (€&Creeping water bugs). 0.260
2157. &Pleidae (&Pygmy backswimmers).
2158. €£Neoplea. 0.438
2159. €£Paraplea. 0.438
2160. €£Plea. 0.438
2161. €&Helotrephidae. 0.318
2162. €&Ochteridae (€&Velvety shore bugs). 0.334
2163. &Gelastocoridae (&Toad bugs).
2164. €£Gelastocoris. 0.382
2165. €£Nerthra. 0.297
2166. €&Leptopodidae (€&Shore bugs). 0.318
2167. €&Cimicidae (€&Bed bugs). 0.293
2168. €&Reduviidae (€&Assassin bugs). 0.126
2169. €&Miridae (€&Plant bugs). 0.112
2170. €&Nabidae (€&Damsel bugs). 0.232
2171. €&Anthocoridae (€&Minute pirate bugs). 0.232
2172. €&Tingidae (€&Lace bugs). 0.177
2173. €&Pentatomidae (€&Stink bugs). 0.142
2174. €&Alydidae (€&Broad-headed bugs). 0.253
2175. €&Coreidae (€&Leaf-footed bugs). 0.179
2176. €&Rhopalidae (€&Scentless plant bugs). 0.269
2177. €&Scutelleridae (€&Shield-backed bugs). 0.232
2178. %Hemiptera: %Heteroptera (%True %Bugs).
2179. €&Enicocephalidae (€&Unique-headed bugs). 0.253
2180. €&Dipsocoridae (€&Jumping ground bugs). 0.281
2181. €&Schizopteridae. 0.281
2182. €&Gerridae (€&Water striders). 0.219
2183. €&Hydrometridae (€&Water measurers). 0.287
2184. €&Veliidae (€&Riffle bugs). 0.247
2185. €&Hebridae (€&Velvet water bugs). 0.278
2186. €&Mesoveliidae (€&Water treaders). 0.345
2187. €&Nepidae (€&Water scorpions). 0.334
2188. €&Belostomatidae (€&Giant water bugs). 0.278

2189. €&Corixidae (€&Water boatmen). 0.232
2190. €&Notonectidae (€&Backswimmers). 0.247
2191. €&Naucoridae (€&Creeping water bugs). 0.260
2192. €&Pleidae (€&Pygmy backswimmers). 0.325
2193. €&Helotrephidae. 0.318
2194. €&Ochteridae (€&Velvety shore bugs). 0.334
2195. €&Gelastocoridae (€&Toad bugs). 0.293
2196. €&Leptopodidae (€&Shore bugs). 0.318
2197. €&Cimicidae (€&Bed bugs). 0.293
2198. €&Reduviidae (€&Assassin bugs). 0.126
2199. €&Miridae (€&Plant bugs). 0.112
2200. €&Nabidae (€&Damsel bugs). 0.232
2201. €&Anthocoridae (€&Minute pirate bugs). 0.232
2202. €&Tingidae (€&Lace bugs). 0.177
2203. €&Pentatomidae (€&Stink bugs). 0.142
2204. €&Alydidae (€&Broad-headed bugs). 0.253
2205. €&Coreidae (€&Leaf-footed bugs). 0.179
2206. €&Rhopalidae (€&Scentless plant bugs). 0.269
2207. €&Scutelleridae (€&Shield-backed bugs). 0.232
2208. %Hemiptera: %Auchenorrhyncha.
2209. €&Cicadidae (€&Cicadas). 0.178
2210. €&Membracidae (€&Treehoppers). 0.179
2211. €&Cercopidae (€&Froghoppers). 0.212
2212. €&Aphrophoridae (€&Spittlebugs). 0.293
2213. €&Clastopteridae. 0.305
2214. €&Fulgoridae (€&Lanternflies). 0.237
2215. €&Delphacidae (€&Planthoppers). 0.201
2216. €&Cixiidae. 0.221
2217. €&Flatidae (€&Flatid planthoppers). 0.228
2218. €&Issidae. 0.225
2219. €&Acanaloniidae. 0.284
2220. €&Derbidae. 0.209
2221. €&Ricaniidae. 0.265
2222. €&Achilidae. 0.256
2223. €&Kinnaridae. 0.335
2224. €&Meenoplidae. 0.293
2225. %Hemiptera: %Sternorrhyncha.
2226. €&Psyllidae (€&Jumping plant lice). 0.210
2227. €&Triozidae. 0.234
2228. &Phacopteronidae.
2229. €£Cornegenapsylla. 0.456
2230. €£Neophacopteron. 0.456
2231. €£Phacopteron. 0.456
2232. €£Pseudophacopteron. 0.456
2233. €&Aleyrodidae (€&Whiteflies). 0.216
2234. €&Aphididae (€&Aphids). 0.169
2235. €&Adelgidae. 0.350
2236. €&Phylloxeridae. 0.341
2237. €&Coccidae (€&Soft scales). 0.230
2238. €&Diaspididae (€&Armored scales). 0.199
2239. €&Pseudococcidae (€&Mealybugs). 0.206
2240. €&Margarodidae (€&Giant scales). 0.271
2241. €&Eriococcidae. 0.275
2242. €&Kermesidae. 0.331
2243. &Dactylopiidae (&Cochineal insects).
2244. €£Dactylopius. 0.415
2245. %Hemiptera: %Coleorrhyncha.
2246. €&Peloridiidae (€&Moss bugs). 0.481
2247. [Polyneoptera].
2248. €%Blattodea (€%Cockroaches and €%Termites). 0.343
2249. €%Mantodea (€%Mantids). 0.369
2250. €%Dermaptera (€%Earwigs). 0.377
2251. €%Plecoptera (€%Stoneflies). 0.354
2252. €%Orthoptera (€%Grasshoppers+). 0.277
2253. €%Phasmatodea (€%Stick €%Insects). 0.360
2254. €%Embioptera (€%Webspinners). 0.439
2255. %Zoraptera (%Angel %Insects).
2256. &Zorotypidae.
2257. €£Zorotypus. 0.462
2258. €£Usazoros^. 0.610
2259. €£Spermozoros. 0.610
2260. €&Spiralizoridae. 0.655
2261. %Grylloblattodea (%Ice-%Crawlers).
2262. €£Galloisiana. 0.553
2263. €£Grylloblatta. 0.562
2264. €£Grylloblattella. 0.618
2265. €£Grylloblattina^. 0.618
2266. €£Namkungia. 0.618
2267. €%Mantophasmatodea (€%Gladiators). 0.562
2268. [Holometabola].
2269. %Hymnenoptera: %Symphyta (%Sawflies and %Wood %Wasps).
2270. €&Xyelidae. 0.384
2271. €&Argidae. 0.280
2272. &Blasticotomidae.
2273. €£Blasticotoma. 0.465
2274. €£Runaria. 0.521
2275. €&Cimbicidae. 0.340
2276. €&Diprionidae. 0.350
2277. €&Pergidae. 0.271
2278. €&Tenthredinidae. 0.190
2279. &Megalodontesidae.
2280. €£Megalodontes. 0.460
2281. €&Pamphiliidae. 0.313
2282. €&Cephidae. 0.363
2283. &Anaxyelidae.
2284. €£Syntexis^. 0.548
2285. €&Siricidae. 0.347
2286. €&Xiphydriidae. 0.335
2287. €&Orussidae (€&Parasitic wood wasps). 0.370
2288. %Hymenoptera: %Apocrita (%Wasps, %Bees, and %Ants).
2289. €&Stephanidae. 0.310
2290. €&Megalyridae. 0.302
2291. €&Trigonalyidae. 0.312
2292. €&Ichneumonidae. 0.088
2293. €&Braconidae. 0.099
2294. €&Ceraphronidae. 0.258
2295. €&Megaspilidae. 0.248
2296. €&Chalcididae. 0.198
2297. €&Eucharitidae. 0.282
2298. €&Encyrtidae. 0.164
2299. €&Eulophidae. 0.157
2300. €&Eupelmidae. 0.217
2301. €&Mymaridae. 0.204
2302. €&Perilampidae. 0.270
2303. €&Pteromalidae. 0.167
2304. €&Torymidae. 0.217
2305. €&Cynipidae. 0.204
2306. &Ibaliidae.
2307. €£Eileenella^. 0.451
2308. €£Heteribalia. 0.451
2309. €£Ibalia. 0.362
2310. €&Liopteridae. 0.365
2311. €&Platygastridae. 0.210
2312. €&Scelionidae. 0.173
2313. €&Diapriidae. 0.204
2314. &Monomachidae.
2315. €£Chasca. 0.451
2316. €£Monomachus. 0.451
2317. €£Tetraconus. 0.451
2318. €&Proctotrupidae. 0.293
2319. &Mymarommatidae.
2320. €£Mymaromma. 0.386
2321. €£Mymaromella. 0.451
2322. €£Zealaromma. 0.451
2323. &Aulacidae.
2324. €£Aulacus. 0.293
2325. €£Panaulix. 0.451
2326. €£Pristaulacus. 0.451
2327. €&Evaniidae. 0.246
2328. €&Gasteruptiidae. 0.247
2329. &Pelecinidae.
2330. €£Pelecinus. 0.495
2331. €&Ceraphronidae. 0.258
2332. €&Megaspilidae. 0.248
2333. €&Bethylidae. 0.193
2334. €&Chrysididae. 0.173
2335. €&Dryinidae. 0.201
2336. &Embolemidae.
2337. €£Embolemus. 0.367
2338. €£Trogloembolemus. 0.467
2339. &Sclerogibbidae.
2340. €£Caenosclerogibba. 0.451
2341. €£Probethylus. 0.423
2342. €£Sclerogibba. 0.407
2343. €&Andrenidae. 0.177
2344. €&Apidae. 0.152
2345. €&Colletidae. 0.189
2346. €&Halictidae. 0.161
2347. €&Megachilidae. 0.173
2348. €&Melittidae. 0.282
2349. &Stenotritidae.
2350. €£Ctenocolletes. 0.467
2351. €£Stenotritus. 0.467
2352. €&Formicidae (€&Ants). 0.111
2353. €&Mutillidae. 0.152
2354. €&Pompilidae. 0.152
2355. €&Scoliidae. 0.240
2356. €&Tiphiidae. 0.201
2357. €&Vespidae. 0.152
2358. €&Scoliidae. 0.240
2359. €&Sphecidae. 0.231
2360. €&Crabronidae. 0.128
2361. €&Thynnidae. 0.221
2362. %Coleoptera (%Beetles): %Archostemata.
2363. &Cupedidae (&Reticulated beetles).
2364. €£Adinolepis. 0.483
2365. €£Ascioplaga. 0.483

2366. €£Cupes^. 0.404
2367. €£Distocupes^. 0.483
2368. €£Paracupes. 0.455
2369. €£Priacma^. 0.483
2370. €£Prolixocupes. 0.483
2371. €£Rhipsideigma. 0.455
2372. €£Tenomerga. 0.390
2373. &Micromalthidae.
2374. €£Micromalthus^. 0.571
2375. &Ommatidae (&Ommatids).
2376. €£Omma. 0.471
2377. €£Tetraphalerus. 0.499
2378. €£Beutelius. 0.527
2379. &Crowsoniellidae.
2380. €£Crowsoniella. 0.571
2381. %Coleoptera (%Beetles): %Adephaga.
2382. €&Carabidae (€&Ground beetles). 0.112
2383. €&Rhysodidae (€&Wrinkled bark beetles). 0.303
2384. €&Dytiscidae (€&Diving beetles). 0.202
2385. €&Noteridae (€&Burrowing water beetles). 0.316
2386. &Amphizoidae (&Trout-stream beetles).
2387. €£Amphizoa. 0.483
2388. &Aspidytidae (&Cliff water beetles).
2389. €£Aspidytes. 0.466
2390. €£Sinaspidytes. 0.510
2391. &Hygrobiidae (&Squeak beetles.
2392. €£Hygrobia. 0.466
2393. €&Gyrinidae (€&Whirligig beetles). 0.261
2394. €&Haliplidae (€&Crawling water beetles). 0.316
2395. %Coleoptera (%Beetles): %Myxophaga.
2396. &Hydroscaphidae (&Skiff beetles).
2397. €£Hydroscapha. 0.527
2398. €£Scaphydra. 0.527
2399. €£Yara. 0.527
2400. €£Confossa. 0.527
2401. &Lepiceridae.
2402. €£Lepicerus. 0.582
2403. €&Sphaeriusidae (€&Minute bog beetles). 0.446
2404. %Coleoptera (%Beetles): %Polyphaga.
2405. €&Hydrophilidae (€&Water scavenger beetles). 0.146
2406. €&Histeridae (€&Clown beetles). 0.133
2407. &Sphaeritidae (&False clown beetles).
2408. €£Sphaerites. 0.466
2409. &Synteliidae.
2410. €£Syntelia. 0.466
2411. €&Staphylinidae (€&Rove beetles). 0.021
2412. €&Silphidae (€&Carrion beetles). 0.250
2413. €&Leiodidae (€&Round fungus beetles). 0.134
2414. €&Agyrtidae. 0.285
2415. €&Leptinidae. 0.466
2416. €&Clambidae (€&Minute beetles). 0.252
2417. €&Scydmaenidae (€&Ant-like stone beetles). 0.125
2418. €&Ptiliidae (€&Feather-winged beetles). 0.180
2419. €&Scarabaeidae (€&Scarab beetles). 0.045
2420. €&Lucanidae (€&Stag beetles). 0.166
2421. €&Trogidae (€&Hide beetles). 0.230
2422. €&Geotrupidae (€&Dor beetles). 0.230
2423. €&Passalidae (€&Bess beetles). 0.188
2424. €&Buprestidae (€&Jewel beetles). 0.079
2425. €&Byrrhidae (€&Pill beetles). 0.230
2426. €&Elmidae (€&Riffle beetles). 0.177
2427. €&Heteroceridae (€&Variegated mud-loving beetles). 0.220
2428. &Lutrochidae (&Travertine beetles).
2429. €£Lutrochus. 0.466
2430. €&Dryopidae (€&Long-toed water beetles). 0.245
2431. €&Psephenidae (€&Water-penny beetles). 0.236
2432. €&Elateridae (€&Click beetles). 0.095
2433. €&Lampyridae (€&Fireflies). 0.160
2434. €&Cantharidae (€&Soldier beetles). 0.123
2435. €&Lycidae (€&Net-winged beetles). 0.132
2436. €&Phengodidae (€&Glowworm beetles). 0.236
2437. €&Rhagophthalmidae. 0.308
2438. €&Omethidae. 0.280
2439. €&Dascillidae (€&Soft-bodied plant beetles). 0.236
2440. €&Scirtidae (€&Marsh beetles). 0.180
2441. €&Bostrichidae (€&Auger beetles). 0.216
2442. €&Dermestidae (€&Skin beetles). 0.166
2443. €&Anobiidae (€&Death-watch beetles). 0.171
2444. €&Cleridae (€&Checkered beetles). 0.137
2445. €&Melyridae (€&Soft-winged flower beetles). 0.116
2446. €&Trogossitidae (€&Bark-gnawing beetles). 0.202
2447. €&Cucujidae (€&Flat bark beetles). 0.304
2448. €&Silvanidae (€&Silvanid flat bark beetles). 0.216
2449. €&Latridiidae (€&Minute brown scavenger beetles). 0.188
2450. €&Endomychidae (€&Handsome fungus beetles). 0.177
2451. €&Coccinellidae (€&Ladybirds). 0.116
2452. €&Erotylidae (€&Pleasing fungus beetles). 0.144
2453. €&Tenebrionidae (€&Darkling beetles). 0.067
2454. €&Mordellidae (€&Tumbling flower beetles). 0.171
2455. €&Meloidae (€&Blister beetles). 0.151
2456. €&Anthicidae (€&Ant-like flower beetles). 0.137
2457. €&Chrysomelidae (€&Leaf beetles). 0.045
2458. €&Cerambycidae (€&Longhorn beetles). 0.045
2459. &Orsodacnidae.
2460. €£Aulacoscelis. 0.421
2461. €£Janbechynea. 0.421
2462. €£Orsodacna. 0.421
2463. €&Megalopodidae (€&Toadstool beetles). 0.252
2464. €&Curculionidae (€&Weevils). 0.010
2465. €&Scolytidae (€&Bark beetles). 0.116
2466. €%Strepsiptera (€%Twisted-€%Winged €%Parasites). 0.425
2467. %Raphidioptera (%Snakeflies).
2468. €&Inocelliidae. 0.512
2469. €&Praphidiidae. 0.441
2470. %Megaloptera.
2471. &Corydalidae (&Fish &Flies & &Dobson &Flies).
2472. &Sialidae (&Alderflies).
2473. €%Neuroptera (€%Net-€%Veined €%Insects). 0.336
2474. €%Mecoptera (€%Scorpionflies+). 0.419
2475. €%Siphonaptera (€%Fleas). 0.368
2476. %Diptera (%True %Flies): %Nematocera.
2477. €&Tipulidae (€&Crane flies). 0.147
2478. €&Trichoceridae (€&Winter crane flies). 0.345
2479. €&Ptychopteridae (€&Phantom crane flies). 0.363
2480. €&Blephariceridae (€&Net-winged midges). 0.298
2481. &Deuterophlebiidae (&Mountain midges).
2482. €£Deuterophlebia. 0.534
2483. €&Bibionidae (€&March flies). 0.274
2484. €&Cecidomyiidae (€&Gall midges). 0.183
2485. €&Mycetophilidae (€&Fungus gnats). 0.199
2486. €&Sciaridae (€&Dark-winged fungus gnats). 0.240
2487. €&Anisopodidae (€&Window gnats). 0.333
2488. €&Scatopsidae (€&Dung midges). 0.293
2489. &Axymyiidae (&Wood midges).
2490. €£Axymyia^. 0.478
2491. €£Mesaxymyia. 0.478
2492. €£Plesioaxymyia^. 0.478
2493. €£Protaxymyia. 0.478
2494. €&Psychodidae (€&Moth flies). 0.215
2495. €&Thaumaleidae (€&Solitary midges). 0.333
2496. €&Culicidae (€&Mosquitoes). 0.206
2497. €&Dixidae (€&Meniscus midges). 0.326
2498. €&Chaoboridae (€&Phantom midges). 0.358
2499. &Corethrellidae (&Frog-biting midges).
2500. €£Corethrella. 0.349
2501. €&Simuliidae (€&Black flies). 0.228

2502. €&Ceratopogonidae (€&Biting midges). 0.184
2503. %Diptera (%True %Flies): %Brachycera.
2504. €&Asilidae (€&Robber flies). 0.148
2505. €&Bombyliidae (€&Bee flies). 0.165
2506. €&Mydidae (€&Mydas flies). 0.259
2507. €&Therevidae (€&Stiletto flies). 0.226
2508. €&Scenopinidae (€&Window flies). 0.266
2509. €&Stratiomyidae (€&Soldier flies). 0.193
2510. &Xylomyidae (&Wood soldier flies).
2511. €£Arthropeina^. 0.451
2512. €£Coenomyiodes^. 0.451
2513. €£Solva. 0.451
2514. €£Xylomya. 0.451
2515. €&Tabanidae (€&Horse flies). 0.170
2516. €&Athericidae (€&Water snipe flies). 0.326
2517. €&Nemestrinidae (€&Tangle-veined flies). 0.278
2518. €&Acroceridae (€&Small-headed flies). 0.256
2519. €&Phoridae (€&Scuttle flies). 0.174
2520. €&Platypezidae (€&Flat-footed flies). 0.294
2521. &Opetiidae.
2522. €£Opetia. 0.479
2523. €£Puyehuemyia^. 0.479
2524. €&Syrphidae (€&Hoverflies). 0.157
2525. €&Conopidae (€&Thick-headed flies). 0.238
2526. €&Tephritidae (€&Fruit flies). 0.169
2527. €&Ulidiidae (€&Picture-winged flies). 0.244
2528. €&Platystomatidae (€&Signal flies). 0.229
2529. €&Micropezidae (€&Stilt-legged flies). 0.257
2530. €&Sciomyzidae (€&Marsh flies). 0.250
2531. €&Sepsidae (€&Black scavenger flies). 0.278
2532. €&Dryomyzidae. 0.322
2533. €&Lauxaniidae (€&Lauxaniid flies). 0.202
2534. &Opomyzidae.
2535. €£Anomalochaeta^. 0.451
2536. €£Geomyza. 0.294
2537. €£Opomyza. 0.359
2538. €£Scelomyza^. 0.451
2539. €&Asteiidae. 0.306
2540. €&Heleomyzidae. 0.229
2541. €&Sphaeroceridae (€&Lesser dung flies). 0.219
2542. €&Carnidae (€&Meat flies). 0.278
2543. €&Chloropidae (€&Grass flies). 0.193
2544. €&Drosophilidae (€&Fruit flies). 0.174
2545. €&Ephydridae (€&Shore flies). 0.202
2546. €&Calliphoridae (€&Blow flies). 0.213
2547. €&Sarcophagidae (€&Flesh flies). 0.191
2548. €&Tachinidae (€&Tachinid flies). 0.145
2549. €&Muscidae (€&House flies). 0.165
2550. €&Anthomyiidae. 0.222
2551. €&Scathophagidae (€&Dung flies). 0.266
2552. €&Fanniidae. 0.278
2553. €%Trichoptera (€%Caddisflies). 0.297
2554. %Lepidoptera:%Zeugloptera.
2555. €&Micropterigidae (€&Mandibulate archaic moths). 0.406
2556. %Lepidoptera: %Aglossata.
2557. &Agathiphagidae (&Kauri moths).
2558. €£Agathiphaga. 0.582
2559. %Lepidoptera: %Heterobathmiina.
2560. &Heterobathmiidae.
2561. €£Heterobathmia. 0.582
2562. %Lepidoptera: %Glossata.
2563. €&Eriocraniidae. 0.427
2564. &Acanthopteroctetidae (&Archaic sun moths).
2565. €£Acanthopteroctetes. 0.471
2566. €£Catapterix. 0.527
2567. &Lophocoronidae.
2568. €£Lophocorona. 0.527
2569. &Neopseustidae.
2570. €£Apoplania. 0.499
2571. €£Nematocentropus. 0.499
2572. €£Neopseustis. 0.406
2573. €£Synempora^. 0.499
2574. %Lepidoptera: %Heteroneura.
2575. €&Nepticulidae. 0.283
2576. €&Opostegidae. 0.369
2577. €&Palaephatidae. 0.397
2578. &Tischeriidae.
2579. €£Tischeria. 0.510
2580. €£Coptotriche. 0.510
2581. €£Astrotischeria. 0.510
2582. %Lepidoptera: %Ditrysia.
2583. €&Tineidae. 0.128
2584. €&Psychidae. 0.160
2585. &Dryadaulidae.
2586. €£Brachydoxa. 0.422
2587. €£Dryadaula. 0.422
2588. &Meessiidae.
2589. €£Bathroxena^. 0.422
2590. €£Eudarcia. 0.422
2591. €&Eriocottidae. 0.265
2592. €&Acrolophidae. 0.221
2593. €&Autostichidae. 0.200
2594. €&Lecithoceridae. 0.172
2595. €&Xyloryctidae. 0.200
2596. €&Gelechiidae. 0.111
2597. €&Depressariidae. 0.139
2598. €&Elachistidae. 0.128
2599. €&Scythrididae. 0.193
2600. €&Blastobasidae. 0.204
2601. €&Oecophoridae. 0.127
2602. €&Peleopodidae. 0.221
2603. €&Stathmopodidae. 0.237
2604. €&Yponomeutidae. 0.193
2605. &Attevidae.
2606. €£Atteva. 0.394
2607. €&Gracillariidae. 0.144
2608. €&Bucculatricidae. 0.224
2609. €&Zygaenidae. 0.170
2610. €&Limacodidae. 0.172
2611. €&Megalopygidae. 0.232
2612. €&Cossidae. 0.184
2613. €&Sesiidae. 0.159
2614. €&Castniidae. 0.241
2615. €&Tortricidae. 0.080
2616. €&Pterophoridae. 0.162
2617. €&Callidulidae. 0.237
2618. €&Pyralidae. 0.099
2619. €&Crambidae. 0.080
2620. €&Mimallonidae. 0.221
2621. €&Geometridae. 0.046
2622. €&Uraniidae. 0.186
2623. €&Drepanidae. 0.189
2624. €&Thyatiridae. 0.221
2625. €&Bombycidae. 0.214
2626. €&Saturniidae. 0.139
2627. €&Sphingidae. 0.156
2628. €&Endromidae. 0.282
2629. €&Eupterotidae. 0.214
2630. €&Lasiocampidae. 0.144
2631. €&Papilionidae. 0.195
2632. €&Pieridae. 0.168
2633. €&Nymphalidae. 0.100
2634. €&Lycaenidae. 0.100
2635. €&Riodinidae. 0.156
2636. €&Hesperiidae. 0.116
2637. €&Erebidae. 0.029
2638. €&Noctuidae. 0.072
2639. €&Nolidae. 0.162
2640. €&Notodontidae. 0.116
2641. €&Euteliidae. 0.221
2642. !Tardigrada (Water Bears).
2643. #Eutardigrada.
2644. €%Apochela. 0.791
2645. €%Parachela. 0.654
2646. #Heterotardigrada.
2647. €%Arthrotardigrada. 0.711
2648. €%Echiniscoidea. 0.726
2649. #Mesotardigrada.
2650. €£Thermozodium^. 0.956
2651. Spiralia.
2652. (para) Platyzoa.
2653. !Gastrotricha (Hairy Backs) [64].
2654. €%Chaetonotida. 0.718
2655. €%Macrodasyida. 0.743
2656. !Platyhelminthes (Flat Worms).
2657. (poly) #Turbellaria.
2658. %Catenulida.
2659. €&Catenulidae. 0.578
2660. €&Chordariidae. 0.578
2661. €&Retronectidae. 0.724
2662. €&Stenostomidae. 0.603
2663. €&Tyrrheniellidae. 0.752
2664. [Rhabditophora turbellarians].
2665. %Bothrioplanida.
2666. €£Bothrioplana. 0.844
2667. %Fecampiida.
2668. €&Fecampiidae. 0.643
2669. €&Genostomatidae. 0.752
2670. €&Notenteridae. 0.780
2671. €&Piscinquilinidae. 0.780
2672. €&Urastomatidae. 0.715
2673. €%Gnosonesimida. 0.696
2674. €%Polycladida. 0.587
2675. %Prolecithophora.
2676. &Multipeniatidae.
2677. €£Multipeniata. 0.772
2678. €&Plagiostomidae. 0.635
2679. €&Protomonotresidae. 0.680
2680. €&Pseudostomidae. 0.652
2681. €&Scleraulophoridae. 0.663
2682. €&Urostomatidae. 0.652
2683. €%Prorhynchida. 0.687
2684. €%Proseriata. 0.615
2685. €%Rhabdocoela. 0.550
2686. €%Tricladida (€%Planarians). 0.575

2687. %Macrostomorpha.
2688. €£Bradynectes. 0.816
2689. €£Myozona. 0.816
2690. €&Family €&Haplopharyngidae. 0.724
2691. €&Family €&Macrostomidae. 0.603
2692. €%Dolichomicrostomida. 0.780
2693. [Neodermata].
2694. #Trematoda.
2695. %Aspidogastrida.
2696. €&Aspidogastridae. 0.673
2697. &Multicalycidae.
2698. €£Multicalyx. 0.844
2699. &Rugogastridae.
2700. €£Rugogaster. 0.844
2701. %Stichocotylida.
2702. €£Stichocotyle^. 0.888
2703. [Digenea (Flukes)].
2704. %Diplostomida.
2705. €&Brachylaimidae. 0.620
2706. &Leucochloridiidae .
2707. €£Leucochloridium. 0.740
2708. &Brauninidae.
2709. €£Braunina^. 0.796
2710. &Cyathocotylidae.
2711. &Diplostomidae.
2712. &Proterodiplostomidae.
2713. €£Cheloniodiplostomum. 0.752
2714. €&Strigeidae. 0.571
2715. €&Aporocotylidae. 0.600
2716. €&Schistosomatidae. 0.615
2717. €&Spirorchiidae. 0.675
2718. €%Plagiorchiida. 0.594
2719. #Monogenea.
2720. €%Monocotylidea. 0.650
2721. %Casalidea.
2722. €&Capsalidae. 0.596
2723. €&Dionchidae. 0.807
2724. €&Enoplocotylidae. 0.735
2725. €%Lagarocotylidea. 0.852
2726. €%Montchadskyellidea. 0.824
2727. %Gyrodactylidea.
2728. €&Acanthocotylidae. 0.780
2729. &Anoplodiscidae.
2730. €£Anoplodiscus. 0.701
2731. &Bothitrematidae.
2732. €£Bothitrema. 0.780
2733. €&Gyrodactylidae. 0.534
2734. €&Tetraonchoididae. 0.687
2735. &Udonellidae.
2736. €£Udonella . 0.715
2737. €%Dactylogyridea. 0.558
2738. %Polystomatidea.
2739. €£Apaloneotrema. 0.807
2740. €£Aussietrema. 0.807
2741. €£Concinnocotyla . 0.807
2742. %Chimaericolidea.
2743. €£Callorhynchicola. 0.824
2744. €£Chimaericola. 0.796
2745. %Diclybothriidea.
2746. &Diclybothriidae.
2747. €£Diclybothrium. 0.796
2748. €£Paradiclybothrium . 0.796
2749. €&Hexabothriidae. 0.690
2750. €%Mazocraeidea. 0.606
2751. #Cestoda.
2752. €%Gyrocotylidea. 0.824
2753. €%Amphilinidea. 0.828
2754. {Eucestoda (Tapeworms).
2755. %Spathebothriidea .
2756. €&Acrobothriidae. 0.833
2757. &Spathebothriidae.
2758. €£Spathebothrium . 0.861
2759. %Caryophyllidea .
2760. €&Balanotaeniidae . 0.833
2761. €&Capingentidae. 0.833
2762. €&Caryophyllaeidae. 0.668
2763. €&Lytocestidae . 0.789
2764. %Haplobothriidea .
2765. €&Haplobothrium. 0.844
2766. %Diphyllobothriidea.
2767. €&Cephalochlamydidae. 0.844
2768. €&Diphyllobothriidae. 0.687
2769. €&Solenophoridae. 0.766
2770. €%Diphyllidea . 0.789
2771. €%Trypanorhyncha. 0.665
2772. %Bothriocephalidea .
2773. €&Bothriocephalidae. 0.696
2774. €&Echinophallidae. 0.816
2775. €&Triaenophoridae. 0.756
2776. %Litobothriidea .
2777. €£Litobothrium. 0.824
2778. €%Lecanicephalidea. 0.718
2779. €%Rhinebothriidea. 0.687
2780. €%Tetraphyllidea. 0.620
2781. €%Proteocephalidea . 0.684
2782. %Nippotaeniidea .
2783. €£Nippotaenia . 0.888
2784. %Mesocestoididae.
2785. €£Mesocestoides. 0.733
2786. €£Mesogyna. 0.861
2787. €%Tetrabothriidea. 0.731
2788. €%Cyclophyllidea. 0.567
2789. Gnathifera.
2790. !Gnathostomulida (Jaw Worms) [27].
2791. %Filospermoidea.
2792. &Haplognathiidae.
2793. €£Haplognathia. 0.900
2794. &Pterognathiidae.
2795. €£Cosmognathia. 0.916
2796. €£Pterognathia. 0.888
2797. €%Bursovaginoidea. 0.835
2798. !Chaetognatha (Arrow Worms) [26].
2799. €%Aphragmophora. 0.907
2800. %Phragophora.
2801. &Eukrohniidae.
2802. €£Eukrohnia. 0.824
2803. &Heterokrohniidae.
2804. €£Archeterokrohnia. 0.816
2805. €£Heterokrohnia. 0.828
2806. €£Xenokrohnia^. 0.872
2807. &Krohnittellidae.
2808. €£Krohnittella. 0.916
2809. &Spadellidae.
2810. €£Bathyspadella. 0.852
2811. €£Calispadella^. 0.852
2812. €£Hemispadella^. 0.852
2813. €£Paraspadella. 0.807
2814. €£Spadella. 0.715
2815. !Micrognathozoa [1].
2816. €£Limnognathia. 0.972
2817. !Rotifera.
2818. ~Eurotatoria.
2819. #Bdelloidea.
2820. €%Philodinavida. 0.708
2821. €%Philodinida. 0.662
2822. €%Adinetida. 0.726
2823. #Monogononta.
2824. €%Flosculariaceae. 0.699
2825. €%Ploima. 0.610
2826. €%Collothecaceae. 0.671
2827. ~Pararotatoria.
2828. €£Paraseison. 0.928
2829. €£Seison. 0.928
2830. ~Acanthocephala.
2831. #Archiacanthocephala.
2832. €%Apororhynchida. 0.844
2833. €%Gigantorhynchida. 0.735
2834. €%Moniliformida. 0.780
2835. €%Oligacanthorhynchida. 0.652
2836. #Eoacanthocephala.
2837. €%Gyracanthocephala. 0.872
2838. €%Neoechinorhynchida. 0.687
2839. #Palaeacanthocephala.
2840. €%Echinorhynchida. 0.712
2841. €%Heteramorphida. 0.856
2842. €%Polymorphida. 0.667
2843. #Polyacanthocephala.
2844. €£Polyacanthorhynchus^. 0.872
2845. Lophotrochozoa.
2846. !Annelida (Segmented Worms).
2847. (para) #Polychaeta.
2848. [Chaetopteridae].
2849. €£Chaetopterus. 0.815
2850. €£Mesochaetopterus. 0.871
2851. €£Mesotrocha. 0.871
2852. €£Phyllochaetopterus. 0.871
2853. €£Spiochaetopterus. 0.806
2854. {Palpata.
2855. €%Aciculata/ €%Errantia. 0.541
2856. €%Canalipalpata. 0.499
2857. {Scolecida.
2858. €&Aeolosomatidae (€&Suction-€&Feeding €&Worms). 0.667
2859. €&Arenicolidae (€&Lugworms). 0.651
2860. €&Capitellidae. 0.575
2861. &Cossuridae.
2862. €£Cossura. 0.679
2863. €&Maldanidae (€&Bamboo €&Worms). 0.589
2864. €&Opheliidae. 0.603
2865. €&Orbiniidae. 0.584
2866. €&Paraonidae. 0.592
2867. €&Parergodrilidae. 0.704
2868. &Potamodrilidae.
2869. €£Potamodrilus. 0.788
2870. &Psammodrilidae.
2871. €£Psammodrilus. 0.760
2872. €&Questidae. 0.744
2873. €&Scalibregmatidae. 0.640
2874. {Echiura (Spoon Worms).
2875. %Bonelliida.
2876. €&Bonelliidae. 0.659
2877. &Ikedidae.
2878. €£Ikeda. 0.835
2879. %Echiurida.
2880. &Echiuridae.
2881. €£Echiurus. 0.775
2882. €&Thalassematidae. 0.699
2883. &Urechidae.
2884. €£Urechis. 0.819
2885. #Clitellata.
2886. {(para) Oligochaeta (Earthworms +).
2887. €%Haplotaxida. 0.562
2888. €%Lumbriculida. 0.645
2889. %Moniligastrida.
2890. €£Desmogaster. 0.782
2891. €£Drawida. 0.569
2892. €£Eupolygaster. 0.782
2893. €£Hastirogaster. 0.782
2894. €£Moniligaster. 0.618
2895. €{Branchiobdellida (Ectoparasites of Crayfish +). 0.690
2896. {Hirudinea (Leeches).
2897. €£Acanthobdella. 0.891
2898. €%Arhynchobdellida (€%Proboscisless €%Leeches). 0.600
2899. %Rhynchobdellida (%Freshwater %Leeches).
2900. €&Glossiphoniidae. 0.625

2901. &Ozobranchidae (&Turtle &Leeches).
2902. €£Ozobranchus. 0.775
2903. €&Piscicolidae. 0.643
2904. #Sipuncula (#Peanut #Worms).
2905. %Aspidosiphonida.
2906. €£Aspidosiphon. 0.738
2907. €£Cloeosiphon^. 0.847
2908. €£Lithacrosiphon. 0.847
2909. %Phascolosomatida.
2910. €£Antillesoma^. 0.847
2911. €£Apionsoma. 0.726
2912. €£Phascolosoma. 0.710
2913. %Golfingiida.
2914. &Golfingiidae.
2915. €£Golfingia. 0.638
2916. €£Nephasoma. 0.662
2917. €£Thysanocardia. 0.791
2918. &Phascolionidae.
2919. €£Onchnesoma. 0.715
2920. €£Phascolion. 0.678
2921. &Sipunculidae.
2922. €£Phascolopsis^. 0.771
2923. €£Siphonomecus^. 0.771
2924. €£Siphonosoma. 0.678
2925. €£Sipunculus. 0.706
2926. €£Xenosiphon. 0.743
2927. &Themistidae.
2928. €£Themiste. 0.735
2929. #Myzostomida (#Ectoparasites of #Crinoids +).
2930. €£Contramyzostoma. 0.891
2931. €£Cyclocirra. 0.891
2932. €£Stelechopus. 0.891
2933. &Asteriomyzostomidae.
2934. €£Asteriomyzostomum. 0.857
2935. &Asteromyzostomidae.
2936. €£Asteromyzostomum. 0.857
2937. &Eenymeenymyzostomatidae.
2938. €£Eenymeenymyzostoma. 0.857
2939. &Endomyzostomatidae.
2940. €£Endomyzostoma. 0.829
2941. €£Mycomyzostoma. 0.829
2942. &Myzostomatidae.
2943. €£Cystimyzostomum. 0.792
2944. €£Hypomyzostoma. 0.792
2945. €£Mesomyzostoma. 0.792
2946. €£Myzostoma. 0.644
2947. €£Notopharyngoides. 0.792
2948. &Protomyzostomidae.
2949. €£Protomyzostomum. 0.857
2950. &Pulvinomyzostomidae.
2951. €£Pulvinomyzostomum. 0.857
2952. #Pogonophora.
2953. €£Osedax. 0.659
2954. €£Birsteinia. 0.798
2955. €£Bobmarleya. 0.798
2956. €£Choanophorus. 0.798
2957. €£Crassibrachia. 0.798
2958. €£Cyclobrachia. 0.798
2959. €£Diplobrachia. 0.798
2960. €£Galathealinum. 0.715
2961. €£Heptabrachia. 0.798
2962. €£Lamellisabella. 0.798
2963. €£Nereilinum. 0.798
2964. €£Oligobrachia. 0.726
2965. €£Paraescarpia. 0.798
2966. €£Polybrachia. 0.798
2967. €£Siboglinoides. 0.798
2968. €£Siboglinum. 0.656
2969. €£Siphonobrachia. 0.798
2970. €£Spirobrachia. 0.798
2971. €£Unibrachium. 0.798
2972. €£Volvobrachia. 0.798
2973. €£Zenkevitchiana. 0.798
2974. €£Sclerolinum. 0.734
2975. €£Alaysia. 0.798
2976. €£Arcovesia. 0.798
2977. €£Escarpia. 0.734
2978. €£Lamellibrachia. 0.715
2979. €£Oasisia. 0.754
2980. €£Ridgeia. 0.743
2981. €£Riftia. 0.798
2982. €£Tevnia. 0.798
2983. !Brachiopoda.
2984. #Lingulata.
2985. €£Discina^. 0.856
2986. €£Discinisca. 0.844
2987. €£Discradisca. 0.900
2988. €£Pelagodiscus^. 0.900
2989. #Craniata.
2990. €£Neoancistrocrania^. 0.912
2991. €£Novocrania. 0.840
2992. €£Valdiviathyris . 0.912
2993. #Rhynchonellata.
2994. €%Rhynchonellida. 0.682
2995. €%Thecideida. 0.769
2996. €%Terebratulida . 0.654
2997. !Phoronida (Horseshoe Worms) [1].
2998. €£Phoronis/ €£Actinotrocha. 0.894
2999. !Bryozoa (Moss Animals).
3000. #Phylactolaemata.
3001. €%Plumatellida. 0.771
3002. #Stenolaemata.
3003. €%Cyclostomata. 0.685
3004. #Gymnolaemata.
3005. €%Ctenostomata. 0.692
3006. €%Cheilostomata. 0.578
3007. €!Nemertea (Ribbon Worms) [unreliable]. 0.712
3008. !Mollusca.
3009. #Aplacophora.
3010. %Solenogastres.
3011. €£Acanthomenia. 0.715
3012. €£Amphimenia. 0.780
3013. €£Dondersia. 0.702
3014. €£Amboherpia. 0.780
3015. €£Unciherpia. 0.752
3016. €£Epimenia. 0.715
3017. €£Halomenia. 0.780
3018. €£Hemimenia. 0.780
3019. €£Ichthyomenia. 0.752
3020. €£Meiomenia. 0.752
3021. €£Neomenia. 0.715
3022. €£Phyllomenia. 0.736
3023. €£Proneomenia. 0.724
3024. €£Pruvotia. 0.736
3025. €£Rhopalomenia. 0.708
3026. €£Simrothiella. 0.752
3027. €£Stilomenia. 0.780
3028. %Caudofoveata.
3029. &Chaetodermatidae.
3030. €£Chaetoderma. 0.701
3031. €£Falcidens. 0.713
3032. &Limifossoridae.
3033. €£Limifossor. 0.822
3034. &Prochaetodermatidae.
3035. €£Prochaetoderma. 0.761
3036. €£Cladoderma. 0.761
3037. €£Spathoderma. 0.778
3038. #Monoplacophora.
3039. %Tryblidiida.
3040. &Neopilinidae.
3041. €£Neopilina. 0.754
3042. €£Vema. 0.810
3043. €£Laevipilina. 0.738
3044. €£Micropilina. 0.746
3045. &Veleronidae.
3046. €£Veleropilina. 0.822
3047. &Laevipilinidae.
3048. €£Laevipilina. 0.794
3049. &Micropilinidae.
3050. €£Micropilina. 0.801
3051. #Polyplacophora (#Chitons).
3052. €&Chitonidae. 0.664
3053. €&Ischnochitonidae. 0.637
3054. €&Mopaliidae. 0.656
3055. &Callistoplacidae.
3056. €£Callistochiton. 0.692
3057. €£Callistoplax. 0.701
3058. &Lepidochitonidae.
3059. €£Lepidochitona. 0.686
3060. &Acanthochitonidae.
3061. €£Acanthochitona. 0.620
3062. €£Notoplax. 0.720
3063. €£Craspedochiton. 0.692
3064. €&Cryptoplacidae. 0.672
3065. &Hanserinidae.
3066. €£Hanserina. 0.829
3067. &Hemiarthridae.
3068. €£Hemiarthrum. 0.829
3069. &Loricidae.
3070. €£Lorica. 0.746
3071. #Scaphopoda.
3072. %Dentaliida.
3073. &Dentaliidae.
3074. €£Dentalium. 0.532
3075. €£Antalis. 0.603
3076. €£Coccodentalium. 0.729
3077. €£Fissidentalium. 0.664
3078. €£Compressidentalium. 0.718
3079. &Graptacmeidae.
3080. €£Graptacme. 0.709
3081. &Laevidentaliidae.
3082. €£Laevidentalium. 0.746
3083. &Fustiariidae.
3084. €£Fustiaria. 0.718
3085. %Gadilida.
3086. €&Gadilidae. 0.625
3087. &Entalinidae.
3088. €£Entalina. 0.690
3089. €£Entalinopsis. 0.709
3090. €£Allentalina. 0.746
3091. €£Ellipentalina. 0.773
3092. €£Striocadulus. 0.729
3093. €&Antennoideidae. 0.746
3094. &Pulsellidae.
3095. €£Pulsellum. 0.746
3096. €£Sagittodentalium. 0.732
3097. #Gastropoda.
3098. %Patellida.
3099. &Patellidae.
3100. €£Patella. 0.683
3101. %Lepetellida.
3102. €&Lepetellidae. 0.679
3103. €&Lepetidae. 0.671
3104. €%Trochida. 0.521
3105. €%Fissurellida. 0.570
3106. €%Cycloneritida. 0.586
3107. €%Neritida. 0.570
3108. €%Littorinimorpha. 0.521
3109. €%Neogastropoda. 0.457
3110. €%Architaenioglossa. 0.598
3111. %Acteonida.
3112. €&Acteonidae. 0.570
3113. €&Hydatinidae. 0.671
3114. €%Cephalaspidea. 0.521
3115. €%Pteropoda. 0.558
3116. €%Sacoglossa. 0.570
3117. €%Aplysiida. 0.635
3118. €%Pleurobranchida. 0.614
3119. %Pyramidellida.
3120. €&Pyramidellidae. 0.521

3121. €%Ellobiida. 0.570
3122. €%Stylommatophora. 0.394
3123. %Siphonariida.
3124. &Siphonariidae.
3125. €£Siphonaria. 0.635
3126. %Opisthobranchia.
3127. &Akeridae.
3128. €£Akera. 0.771
3129. €%Basommatophora. 0.549
3130. #Bivalvia.
3131. €%Arcida. 0.588
3132. €%Mytilida. 0.597
3133. €%Pectinida. 0.588
3134. €%Ostreoida. 0.597
3135. %Pterioida.
3136. &Pteriidae.
3137. €£Pteria. 0.690
3138. €£Pinctada. 0.662
3139. €%Venerida. 0.468
3140. €%Cardiida. 0.588
3141. €%Unionida. 0.537
3142. %Solemyida.
3143. &Solemyidae.
3144. €£Solemya. 0.673
3145. €£Acharax. 0.738
3146. %Nuculida.
3147. &Nuculidae.
3148. €£Nucula. 0.681
3149. %Nuculanida.
3150. €&Nuculanidae. 0.581
3151. €&Yoldiidae. 0.639
3152. €%Anomalodesmata. 0.553
3153. €%Lucinida. 0.560
3154. €%Myida. 0.581
3155. €%Pholadida. 0.653
3156. €%Galeommatida. 0.525
3157. #Cephalopoda.
3158. {Nautiloidea.
3159. %Nautilida.
3160. €£Nautilus. 0.794
3161. €£Allonautilus. 0.838
3162. {Coleoidea.
3163. %Sepiida (cuttlefish).
3164. €&Sepiidae. 0.637
3165. %Sepiolida (bobtail squids).
3166. €&Sepiolidae. 0.623
3167. €&Idiosepiidae. 0.729
3168. €£Idiosepius. 0.729
3169. €%Teuthida (squids). 0.592
3170. %Spirulida (ram's horn squid).
3171. &Spirulidae.
3172. €£Spirula. 0.822
3173. €%Octopoda (octopuses). 0.592
3174. %Vampyromorphida (vampire squid).
3175. &Vampyroteuthidae.
3176. €£Vampyroteuthis. 0.822
3177. !Cycliophora [1].
3178. €£Symbion. 0.972
3179. !Entoprocta [15].
3180. &Barentsiidae.
3181. €£Barentsia. 0.787
3182. €£Coriella. 0.815
3183. €£Pedicellinopsis. 0.835
3184. €£Pseudopedicellina. 0.835
3185. €£Urnatella . 0.880
3186. &Loxokalypodidae.
3187. €£Loxokalypus. 0.944
3188. &Loxosomatidae.
3189. €£Loxocorone. 0.880
3190. €£Loxomespilon. 0.880
3191. €£Loxomitra. 0.787
3192. €£Loxosoma. 0.722
3193. €£Loxosomella. 0.722
3194. &Pedicellinidae.
3195. €£Brachionis. 0.687
3196. €£Crinomorpha. 0.872
3197. €£Loxosomatoides. 0.872
3198. €£Myosoma. 0.872
3199. €£Pedicellina. 0.752
3200. €£Sangavella. 0.872

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