

Fig. S1. Nuclear 18S rDNA jackknife tree with parsimony jackknife values above branches, and maximum likelihood jackknife values below branches. “—” indicates a jackknife value < 50%.

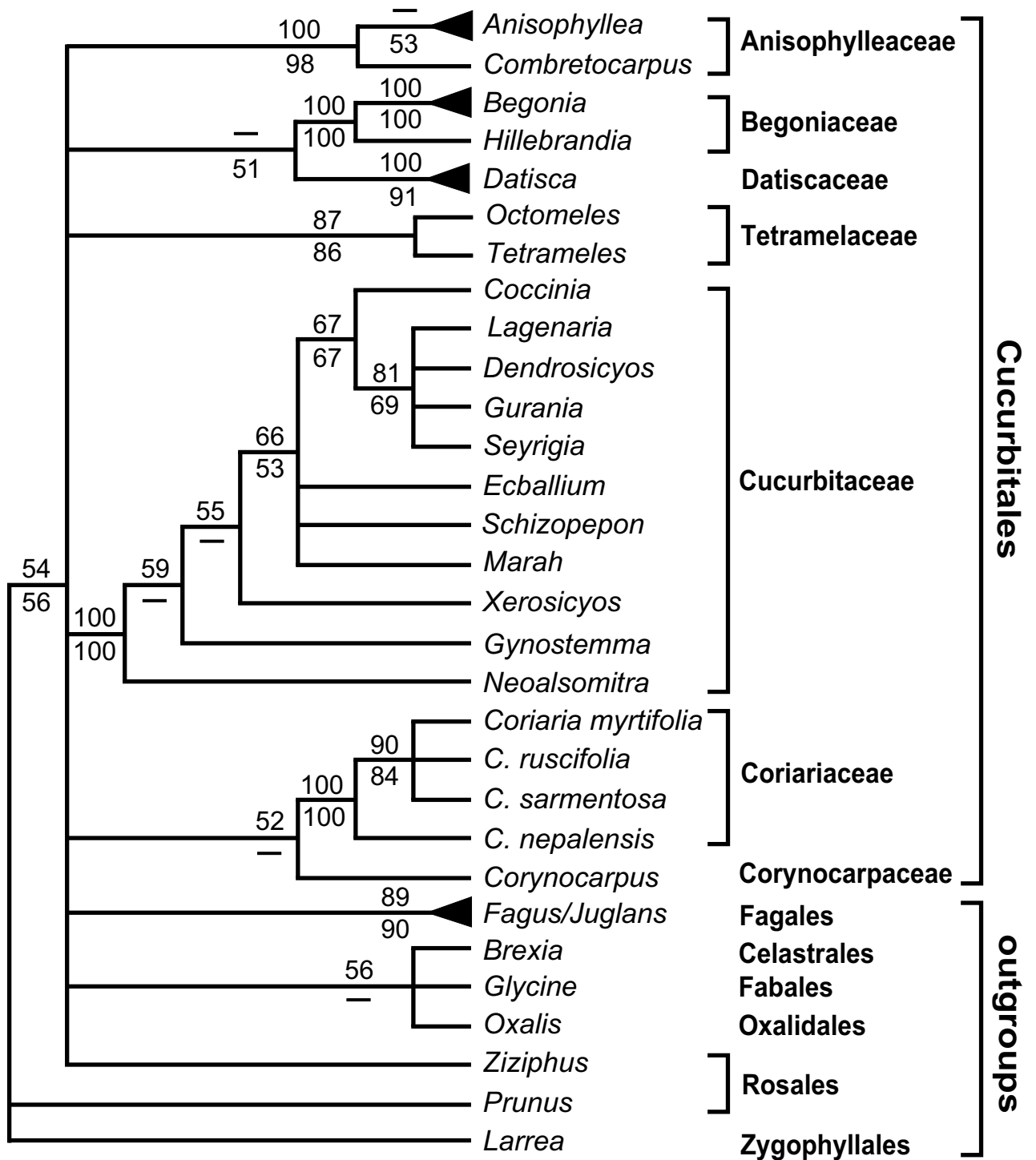


Fig. S2. Nuclear 26S rDNA jackknife tree with parsimony jackknife values above branches, and maximum likelihood jackknife values below branches. “—” indicates a jackknife value < 50%.

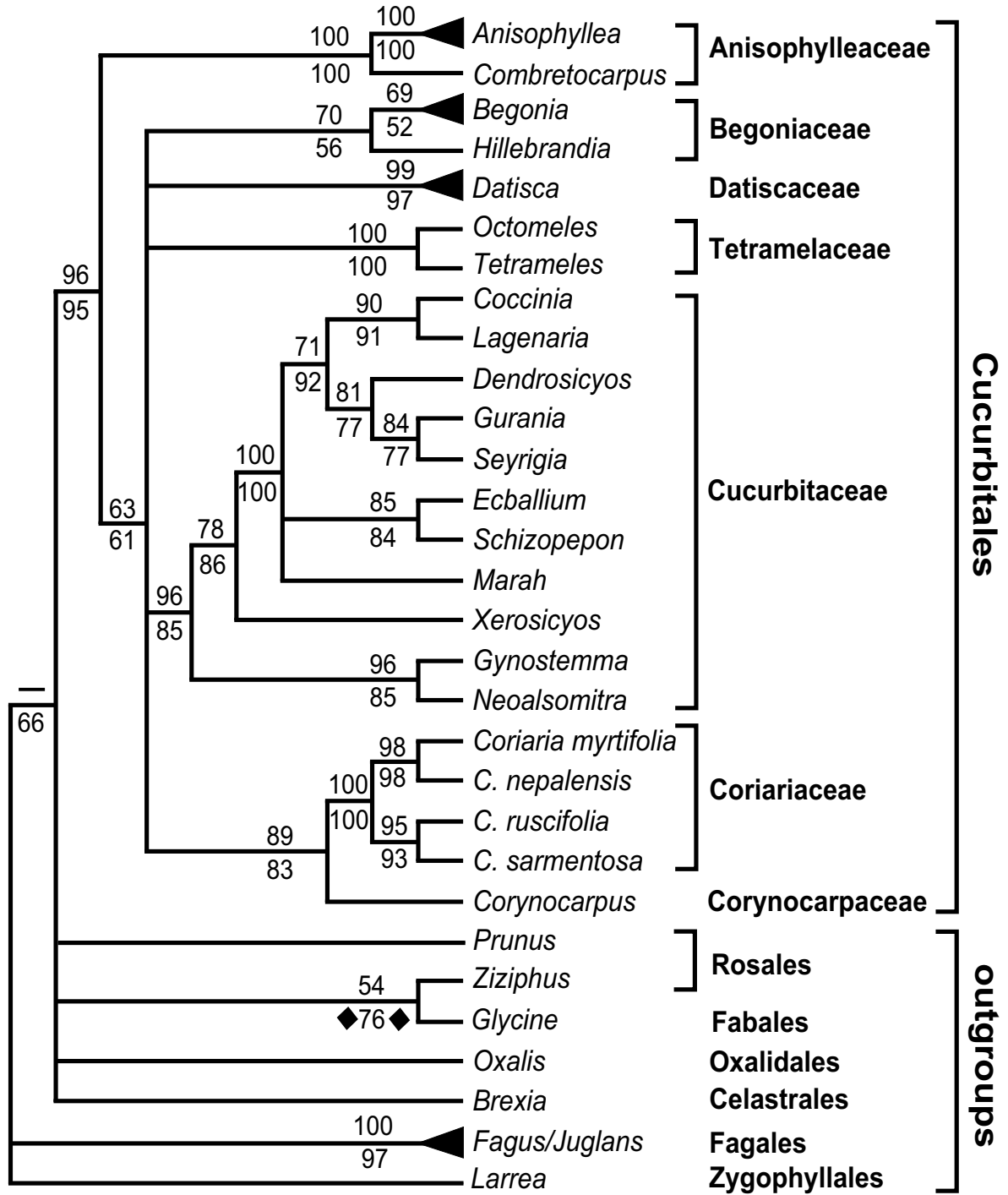


Fig. S3. Nucleotide-based plastid *atpB* jackknife tree with parsimony jackknife values above branches, and maximum likelihood jackknife values below branches. “—” indicates a jackknife value < 50%. Clades in the parsimony jackknife tree that were contradicted by clades in the likelihood jackknife tree are indicated by “◆XX◆” with the jackknife support for the higher contradictory likelihood clade listed.

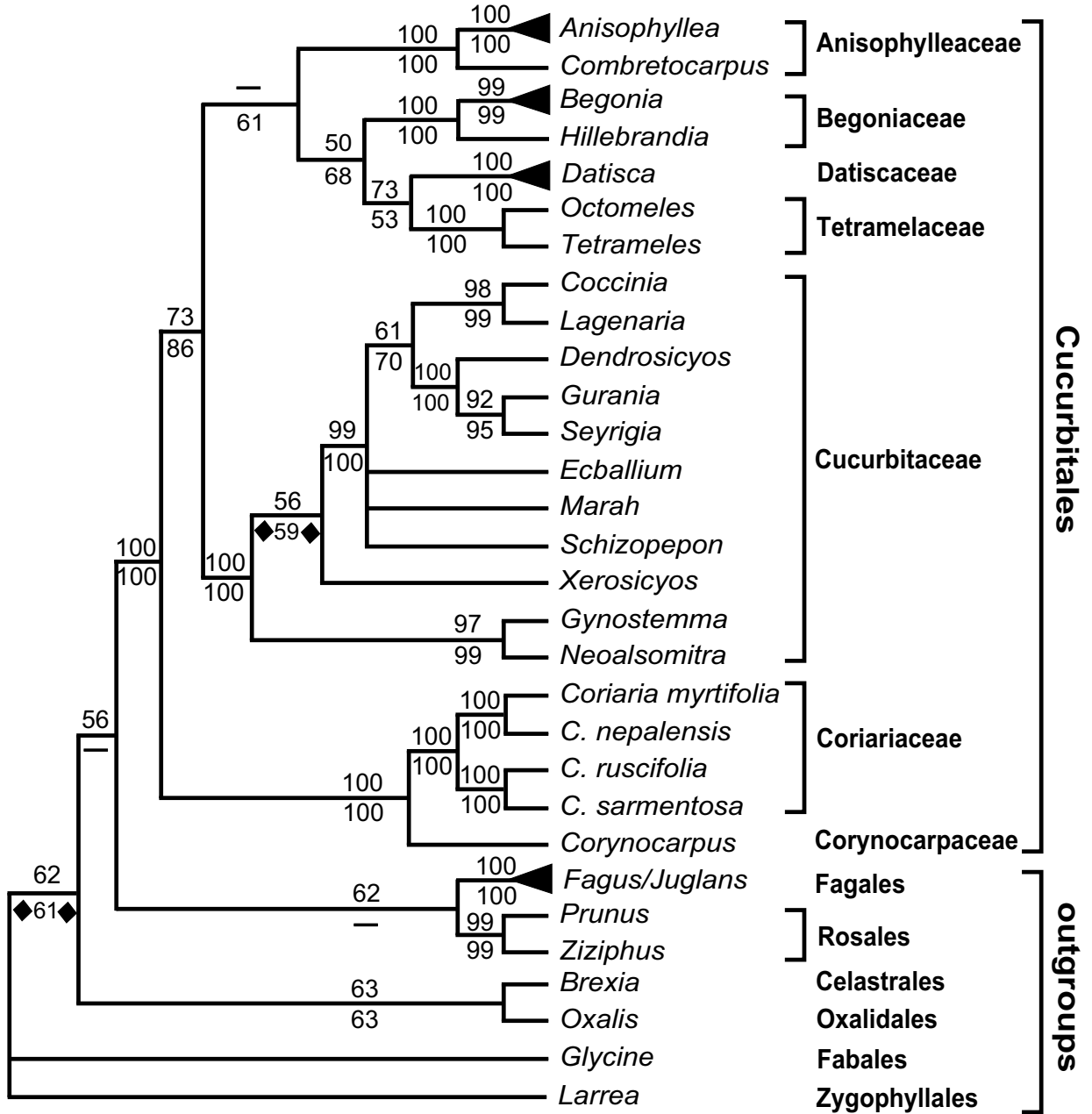


Fig. S4. Nucleotide-based plastid *matK* combined parsimony/likelihood jackknife tree with parsimony jackknife values above branches, and maximum likelihood jackknife values below branches. “—” indicates a jackknife value < 50%. Clades in the parsimony jackknife tree that were contradicted by clades in the likelihood jackknife tree are indicated by “♦XX♦” with the jackknife support for the higher contradictory likelihood clade listed.

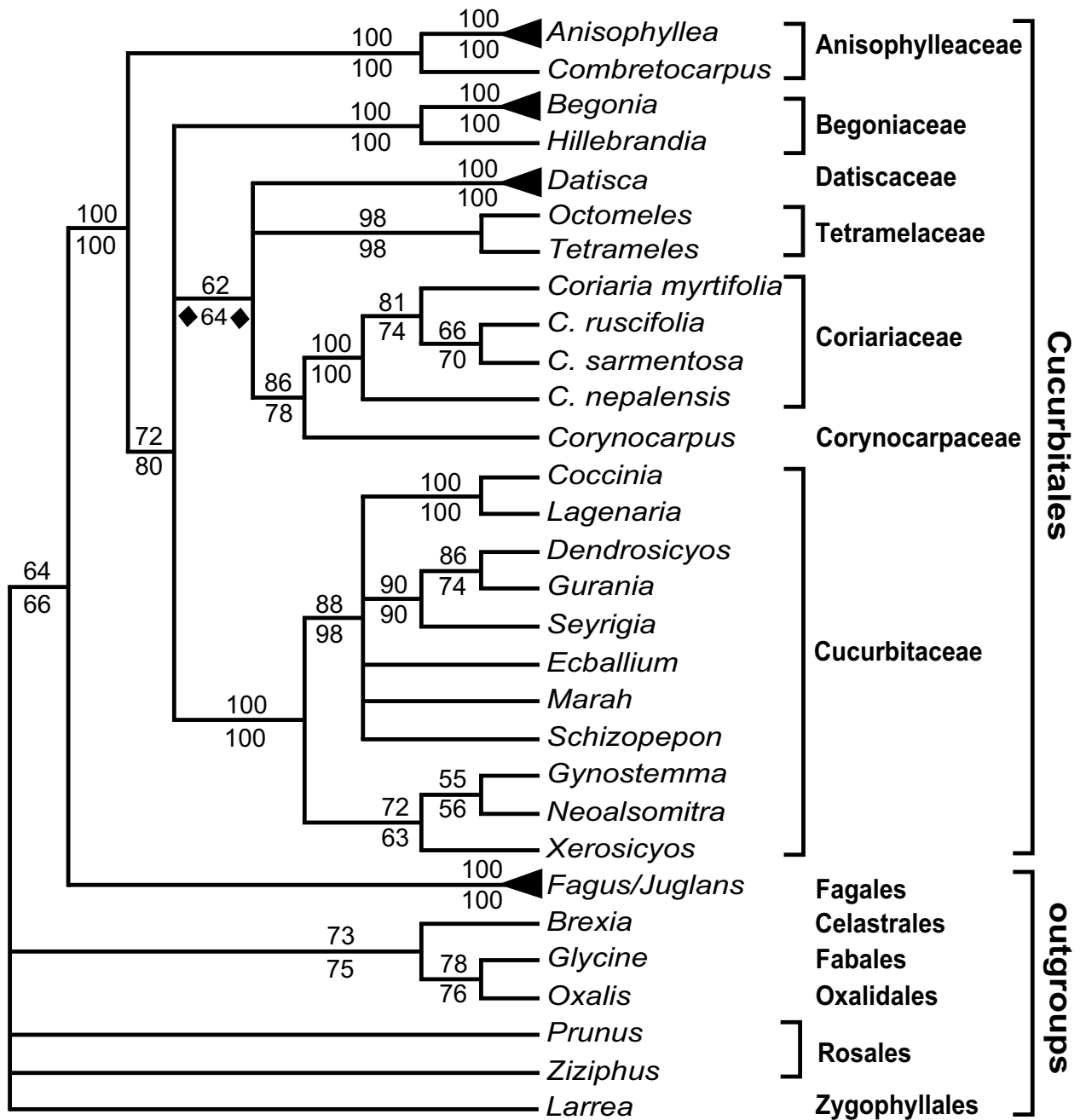


Fig. S5. Nucleotide-based plastid *ndhF* jackknife tree with parsimony jackknife values above branches, and maximum likelihood jackknife values below branches. Clades in the parsimony jackknife tree that were contradicted by clades in the likelihood jackknife tree are indicated by “◆XX◆” with the jackknife support for the highest contradictory likelihood clade listed.

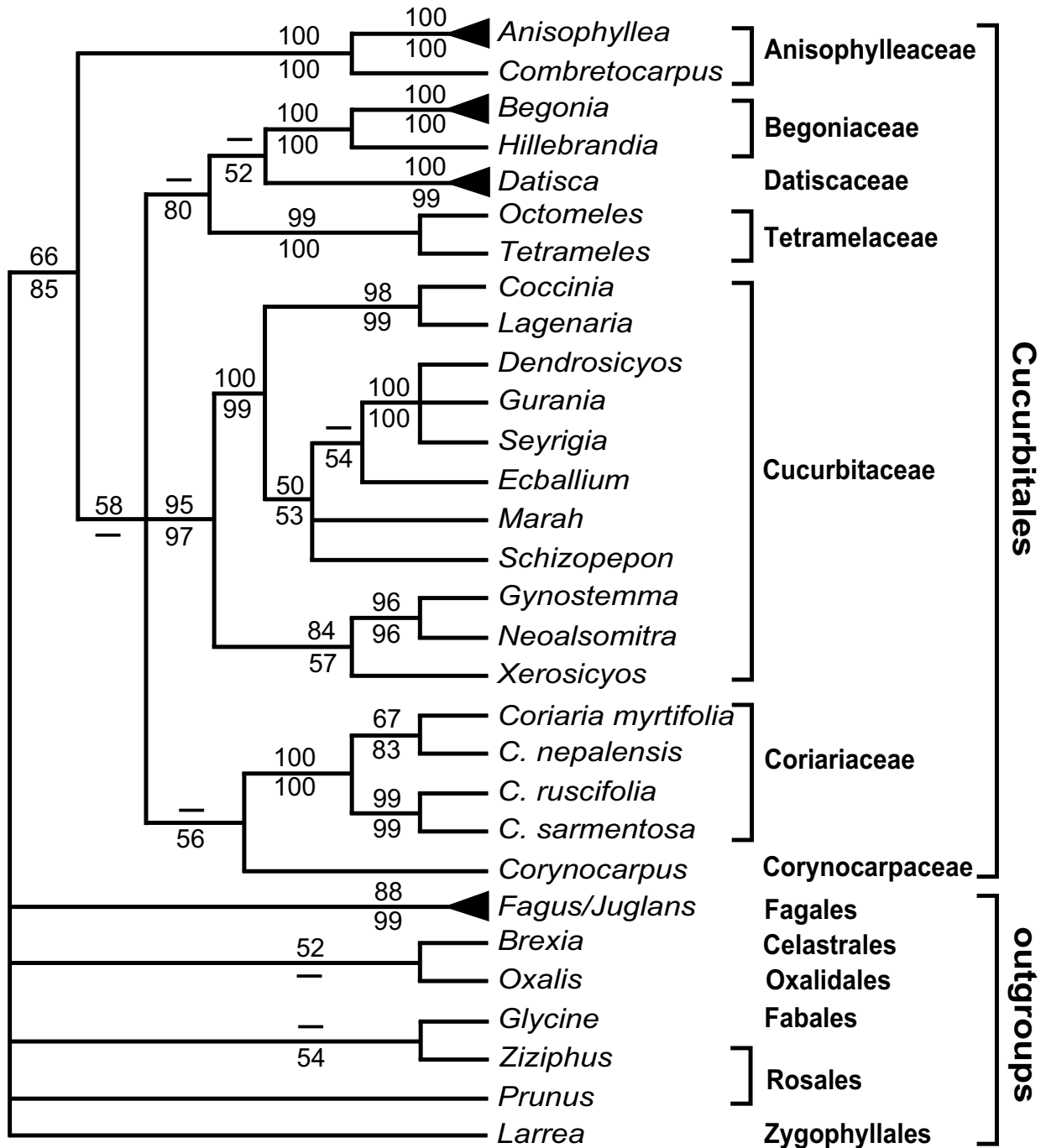


Fig. S6. Nucleotide-based plastid *rbcL* jackknife tree with parsimony jackknife values above branches, and maximum likelihood jackknife values below branches. “—” indicates a jackknife value < 50%.

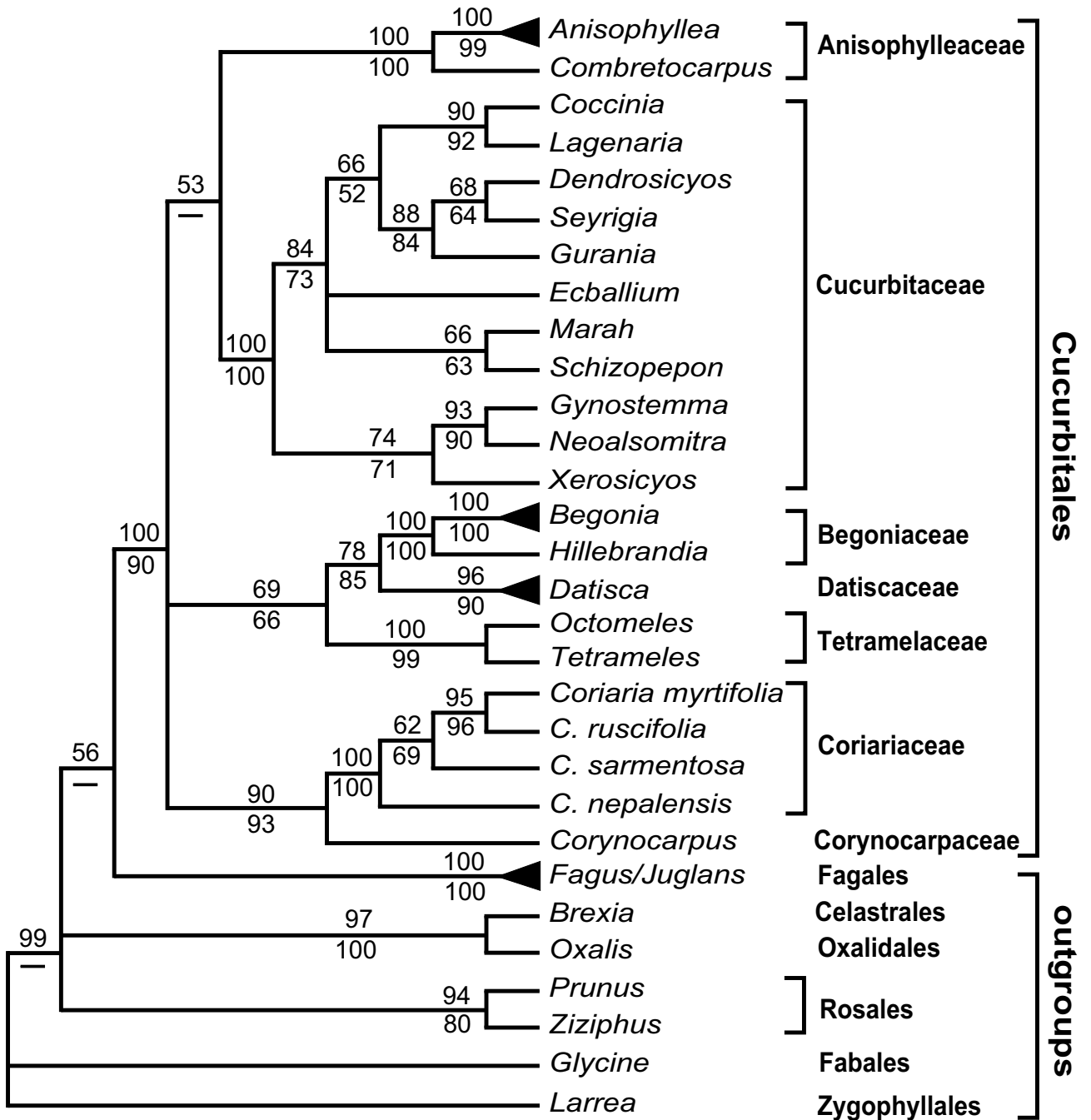


Fig. S7. Plastid *rpl20/rps12* jackknife tree with parsimony jackknife values above branches, and maximum likelihood jackknife values below branches. “—” indicates a jackknife value < 50%.

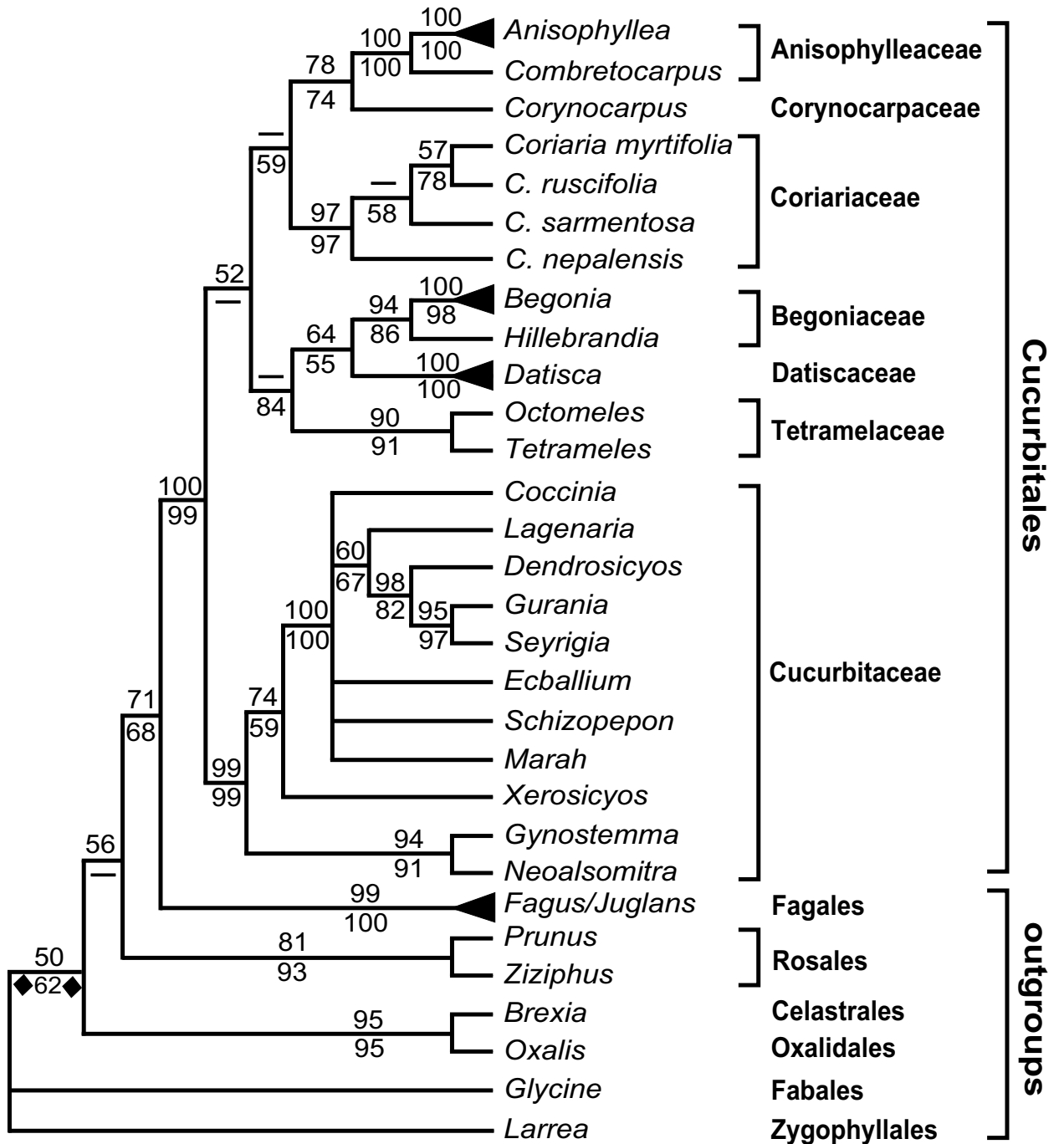
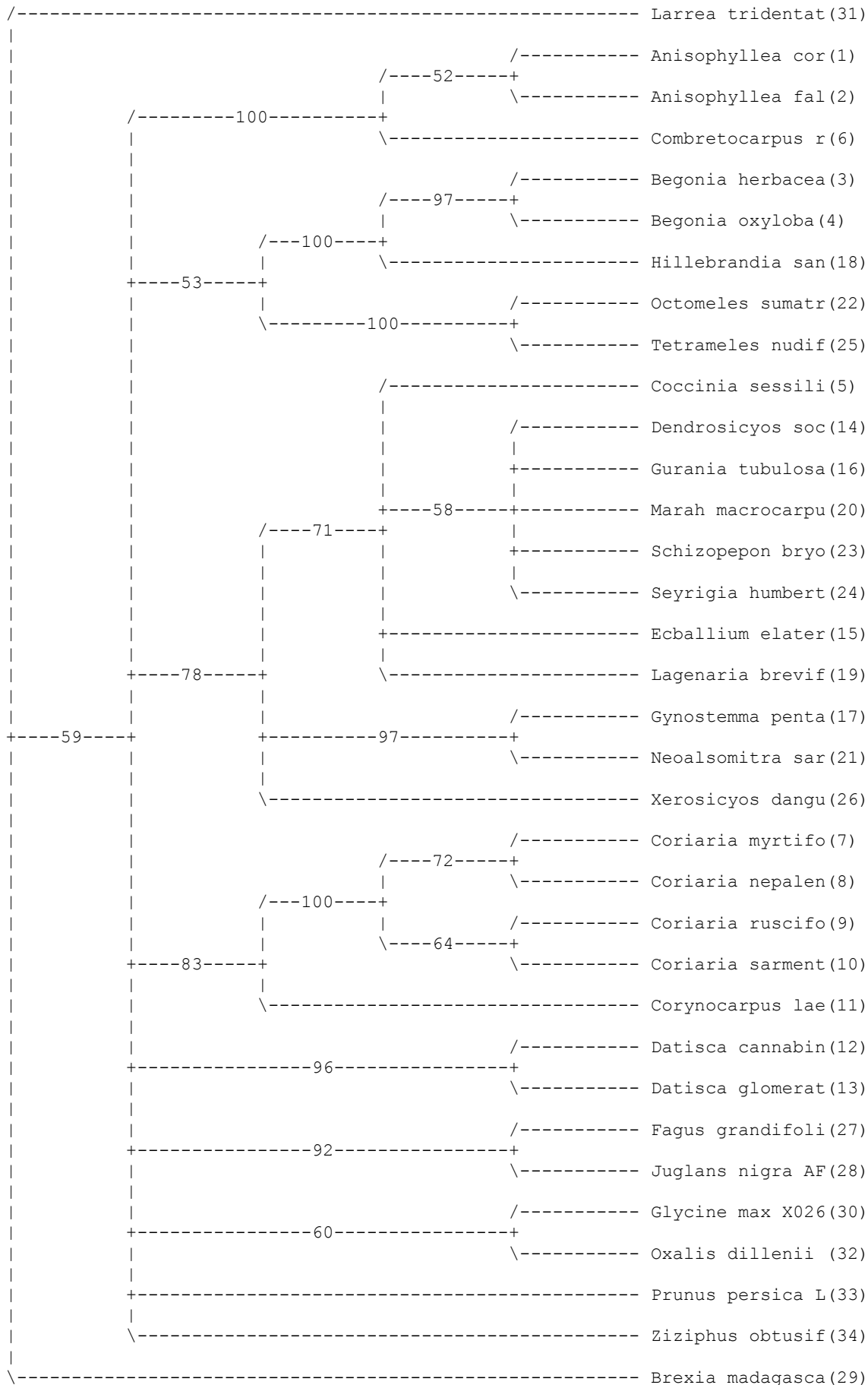
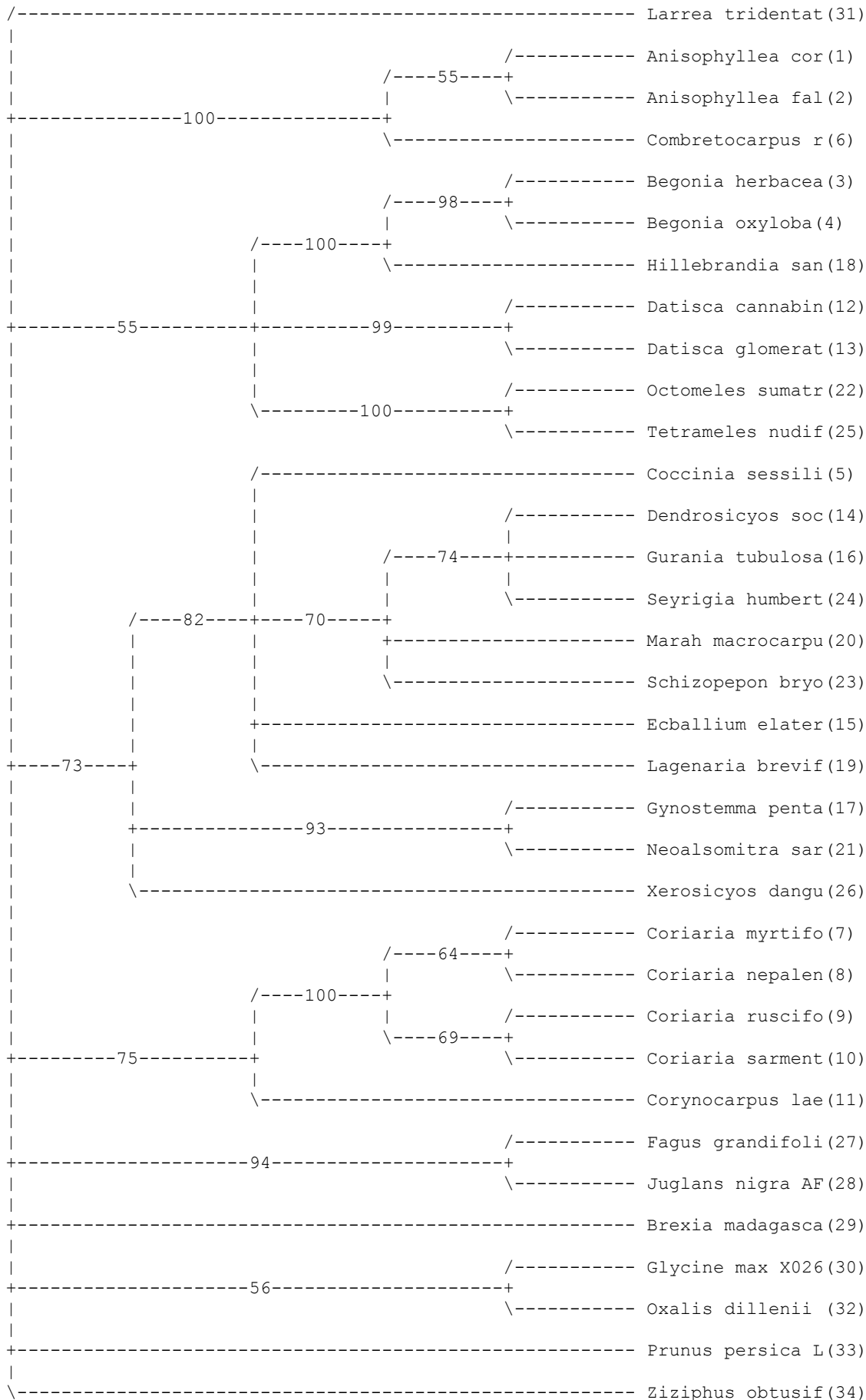


Fig. S9. Mitochondrial *nad1* jackknife tree with parsimony jackknife values above branches, and maximum likelihood jackknife values below branches. “—” indicates a jackknife value < 50%. Clades in the parsimony jackknife tree that were contradicted by clades in the likelihood jackknife tree are indicated by “◆XX◆” with the jackknife support for the higher contradictory likelihood clade listed.

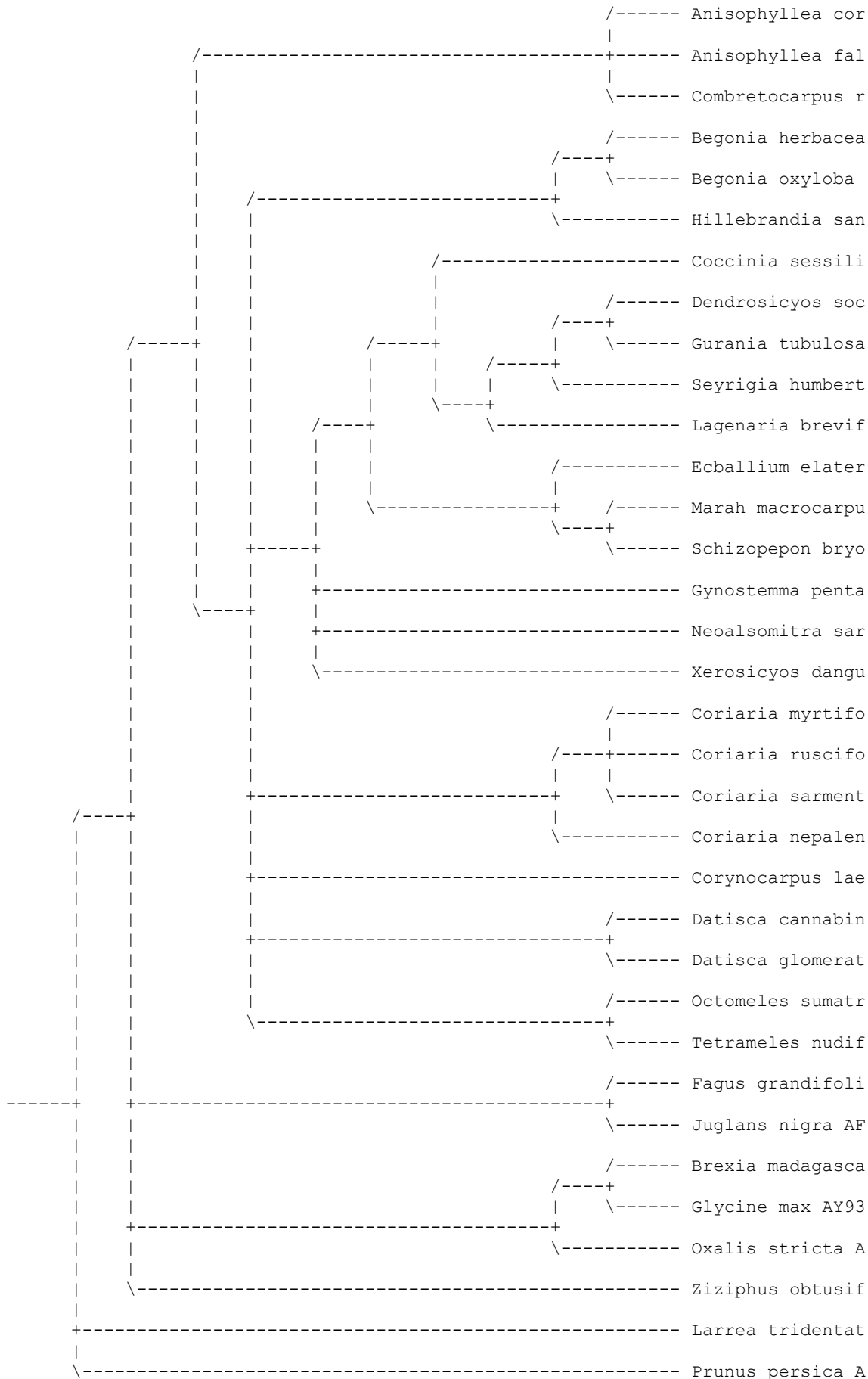
18S rDNA parsimony jackknife 50% majority-rule consensus tree



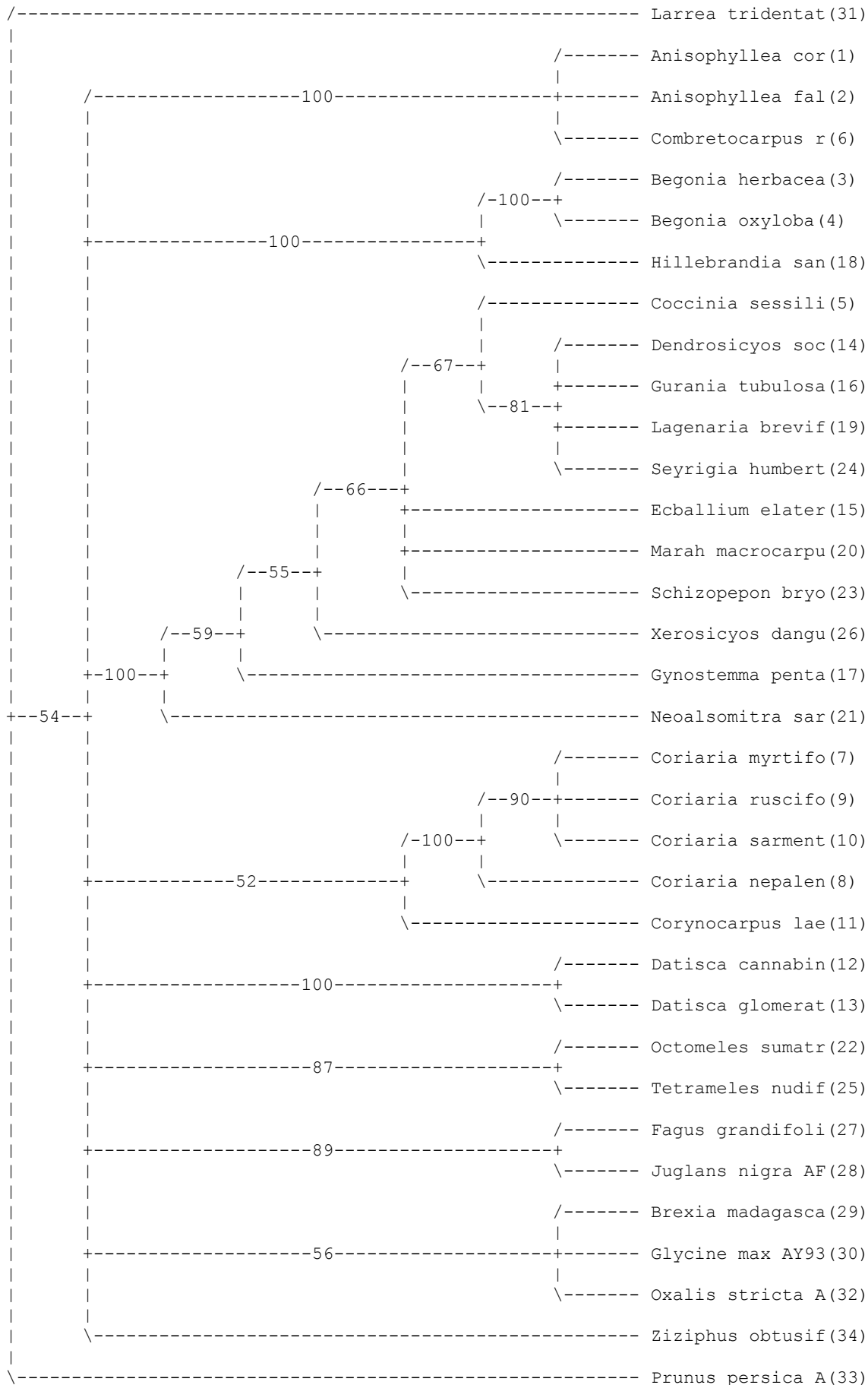
18S rDNA MAXIMUM LIKELIHOOD Jackknife 50% majority-rule consensus tree



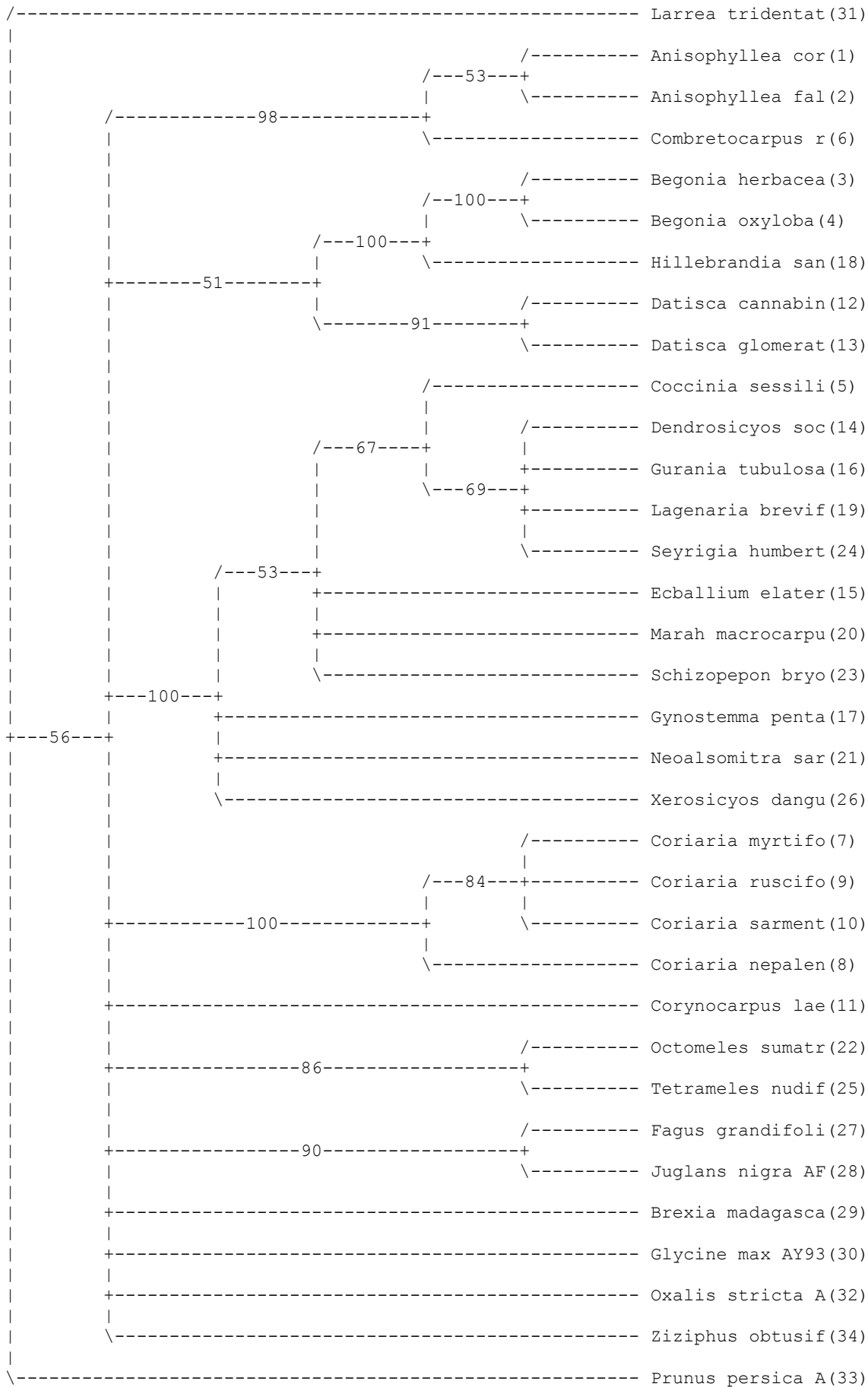
26S rDNA parsimony strict consensus of 35 trees:



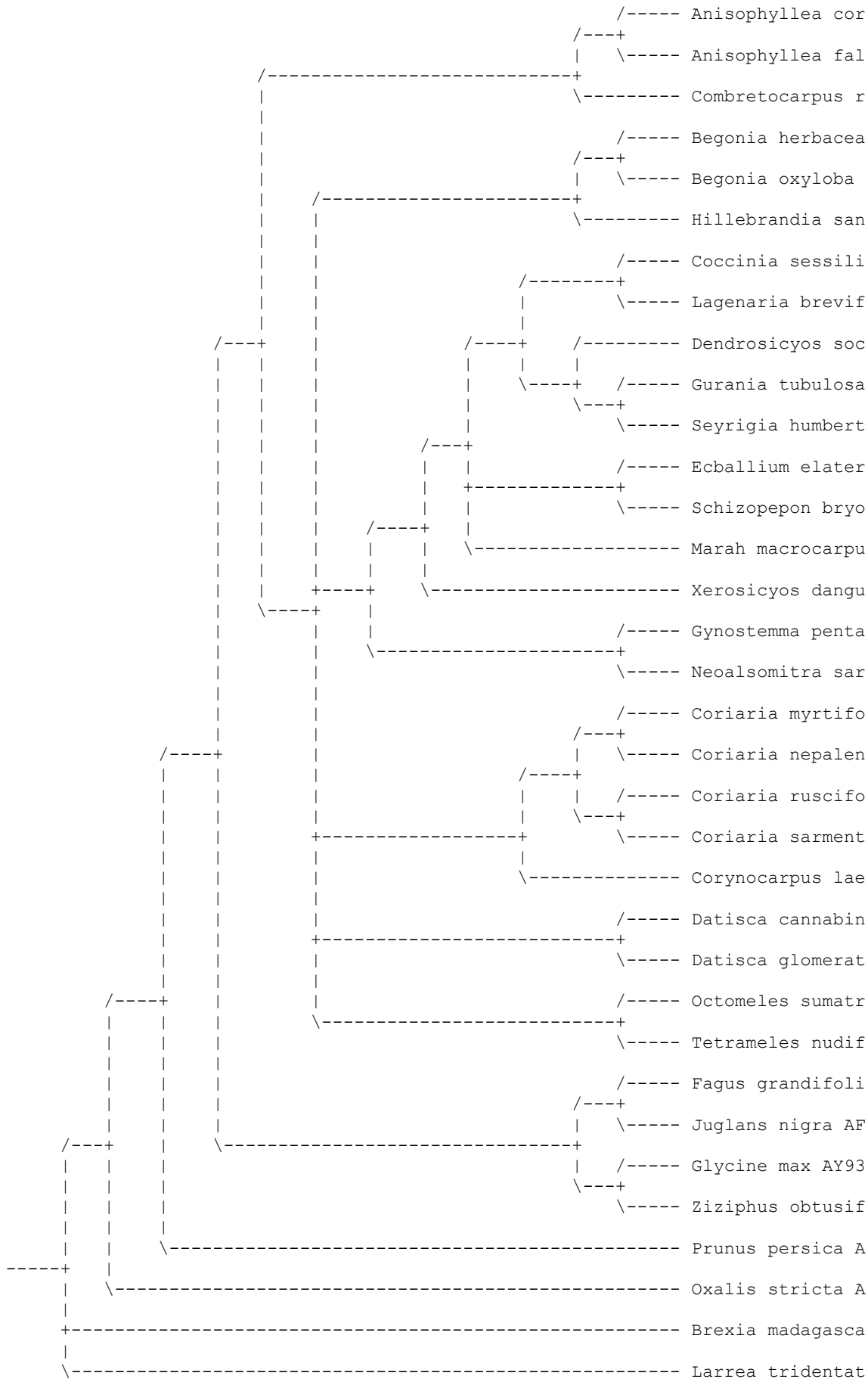
26S rDNA parsimony jackknife 50% majority-rule consensus tree



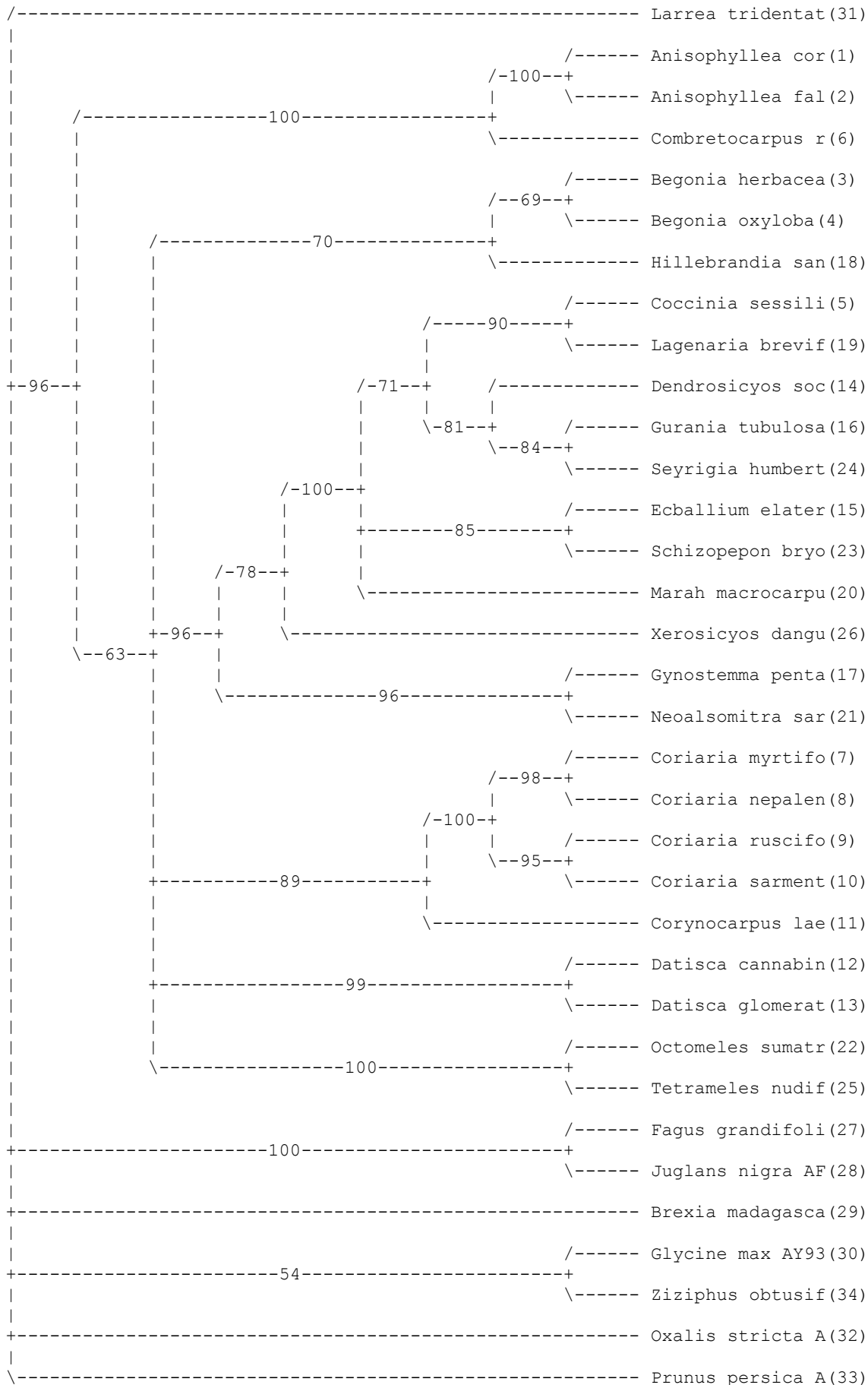
26S rDNA MAXIMUM LIKELIHOOD Jackknife 50% majority-rule consensus tree

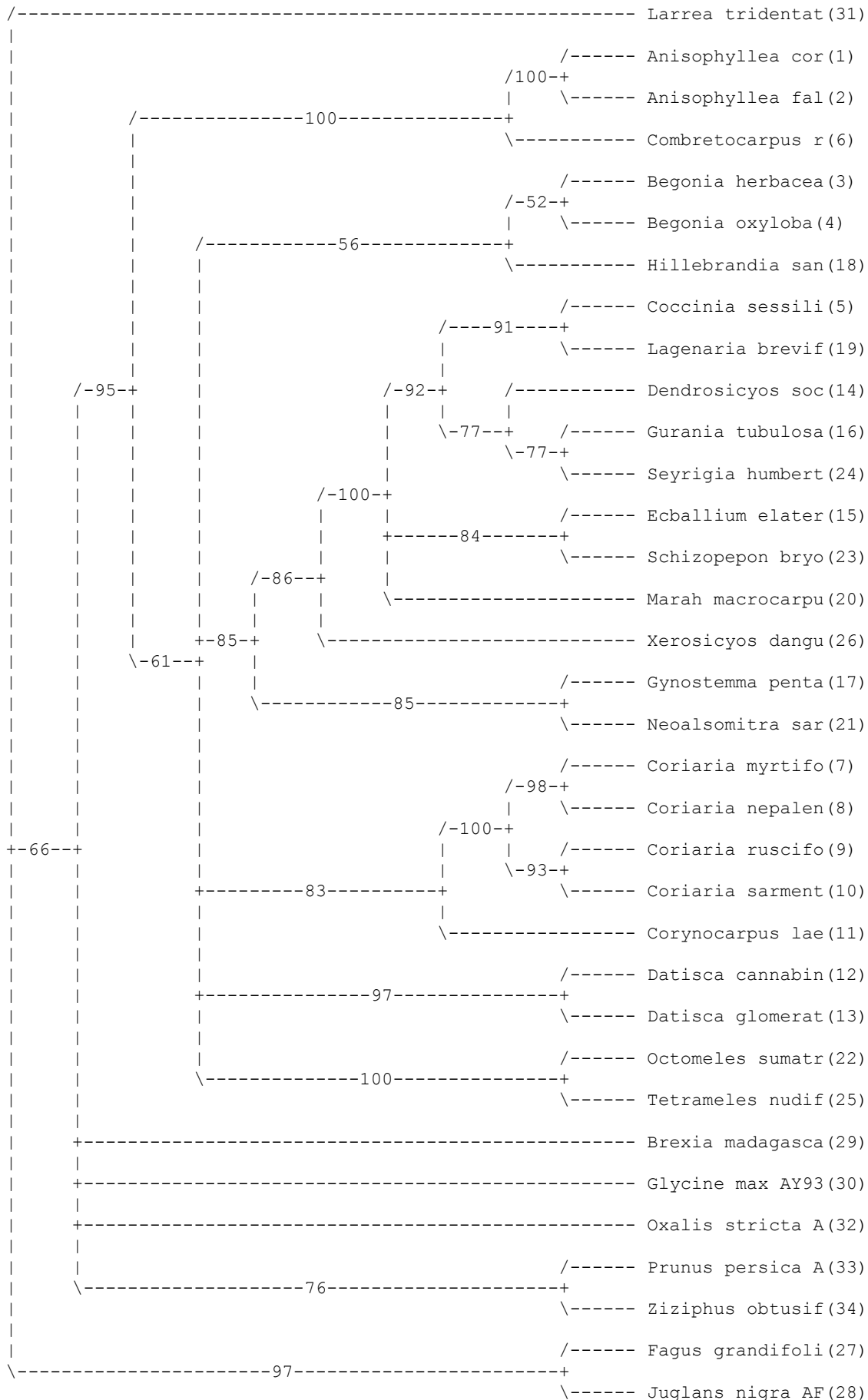


atpB DNA parsimony strict consensus of 42 trees:

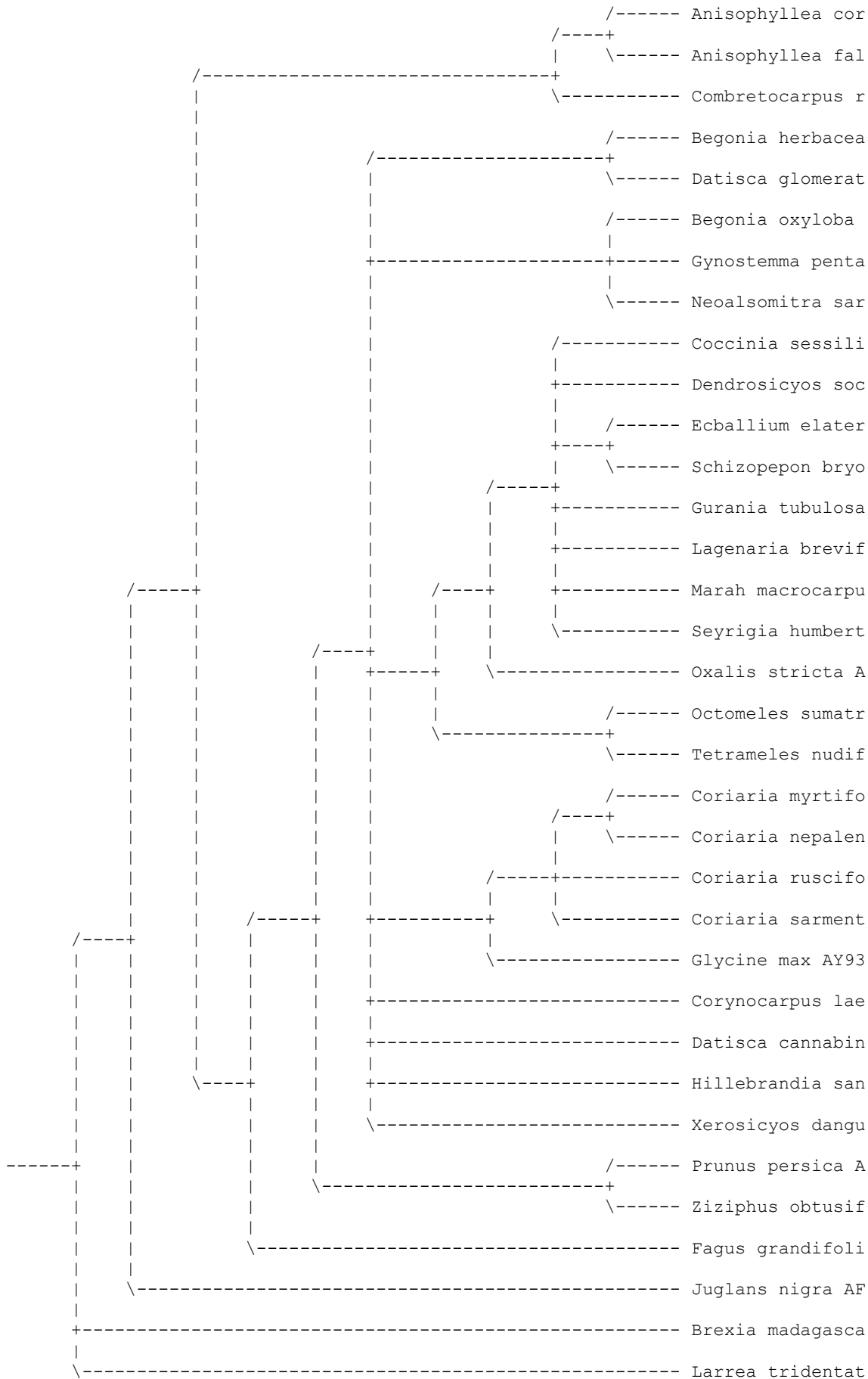


atpB DNA parsimony jackknife 50% majority-rule consensus tree

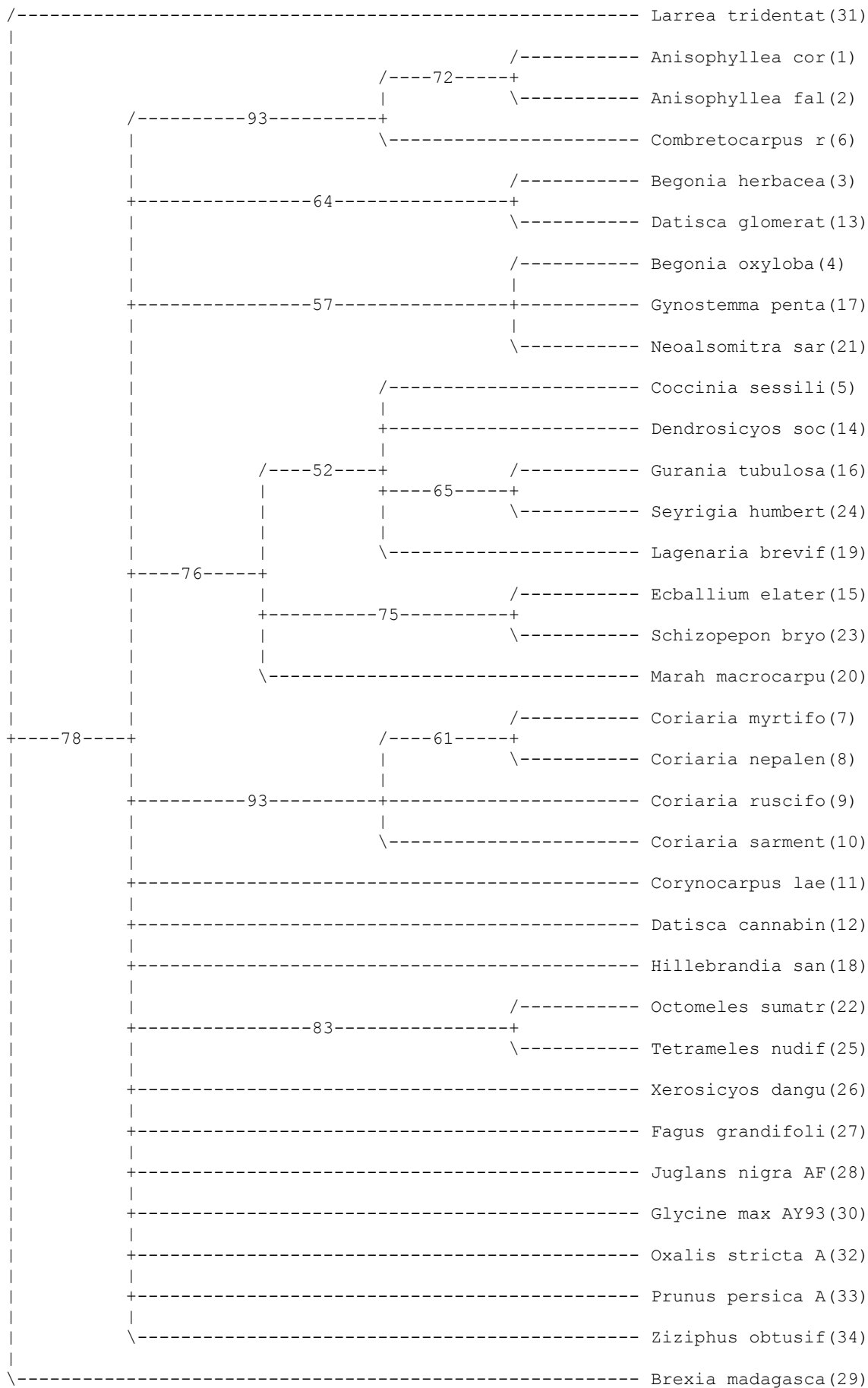




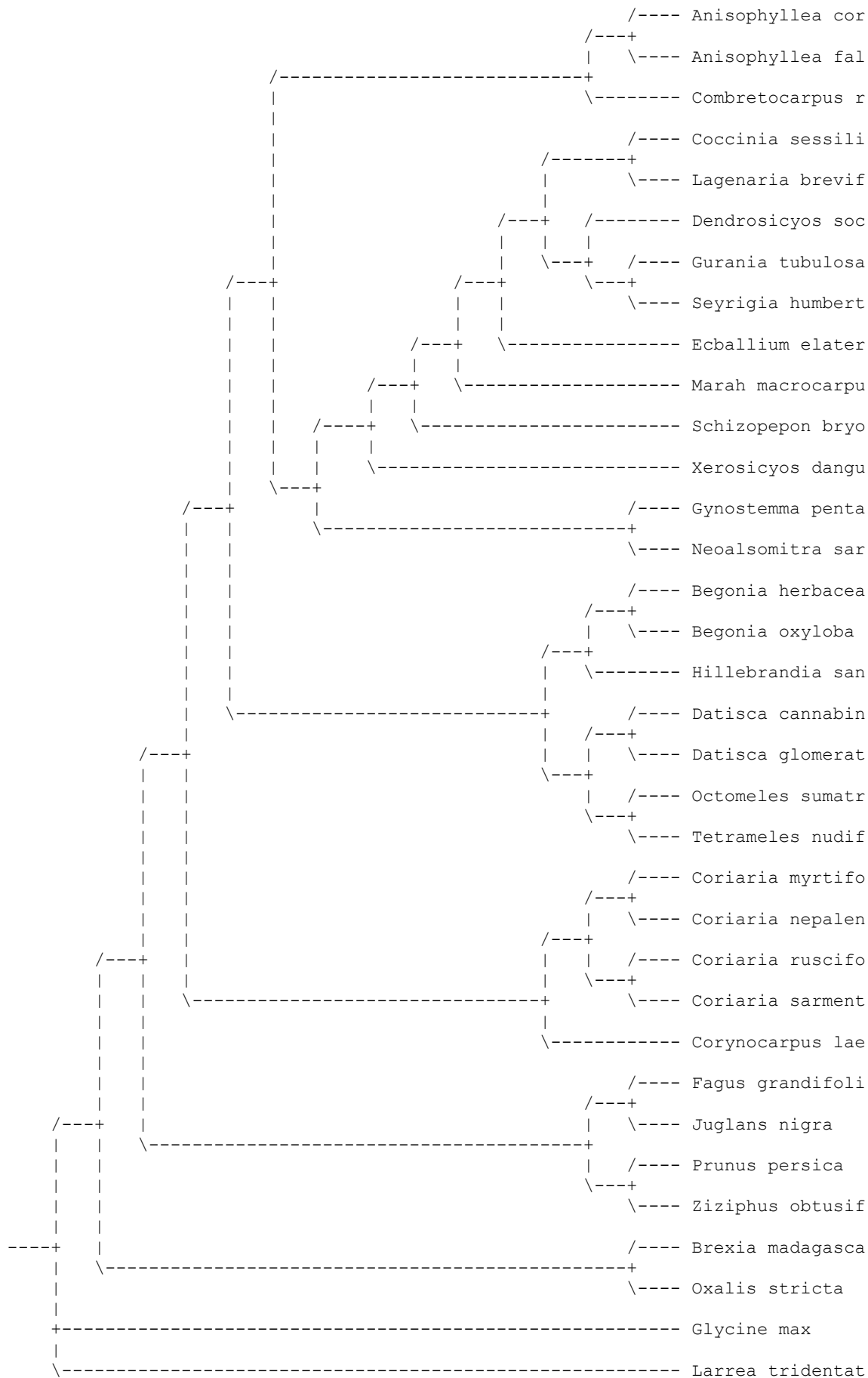
atpB AA parsimony Strict consensus of 2599 trees:



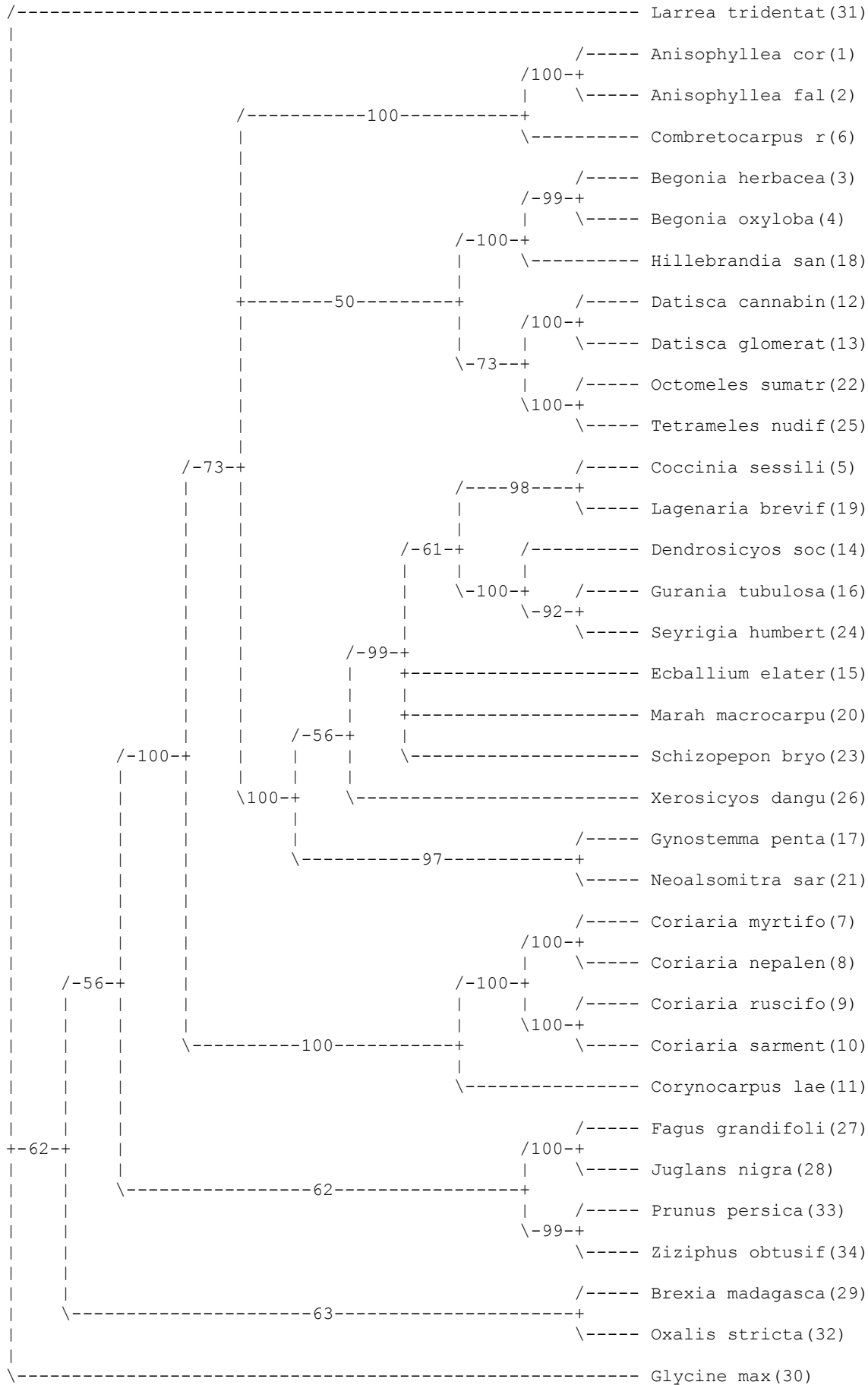
atpB AA parsimony Jackknife 50% majority-rule consensus tree

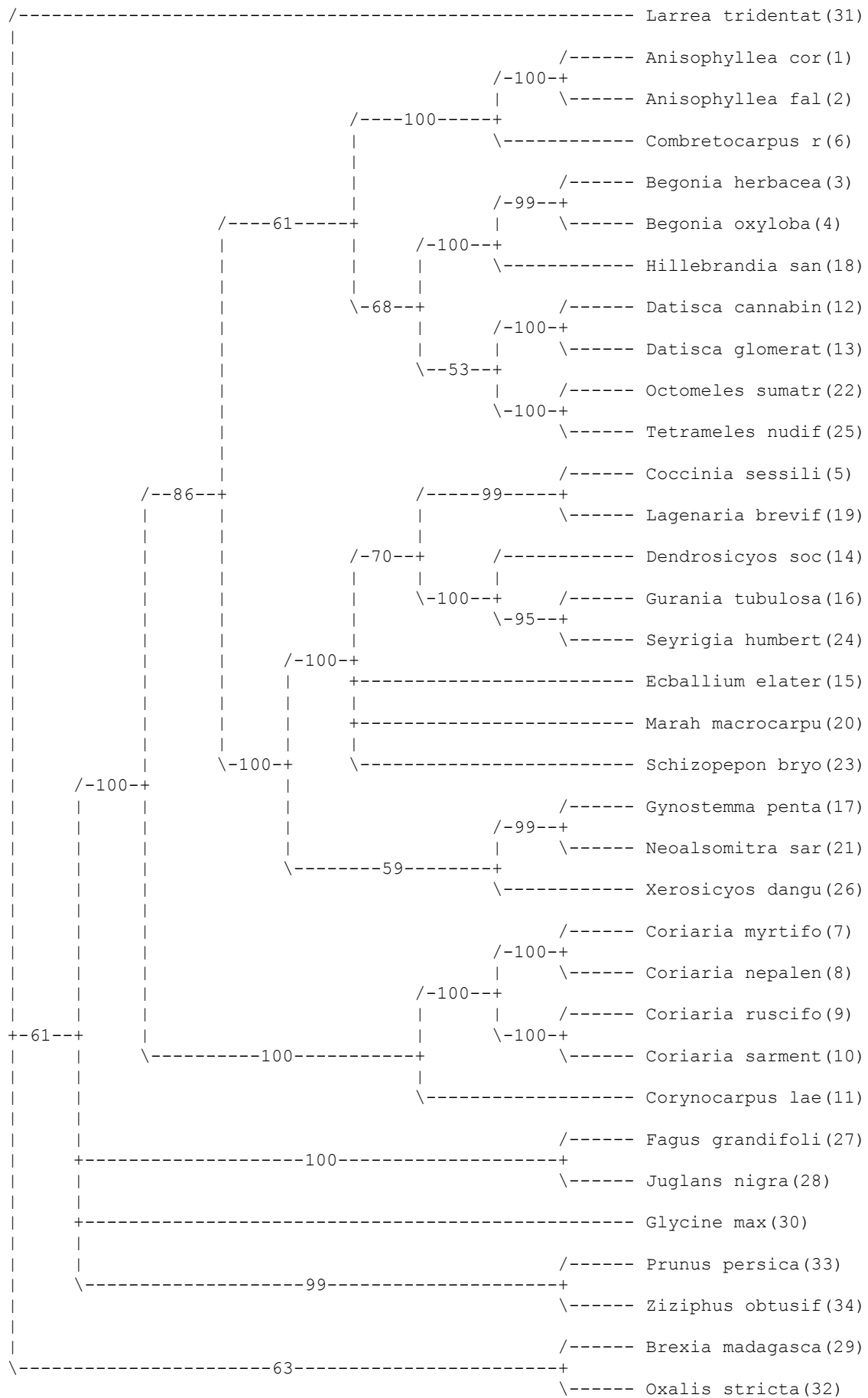


matK DNA parsimony strict consensus of 1 tree:

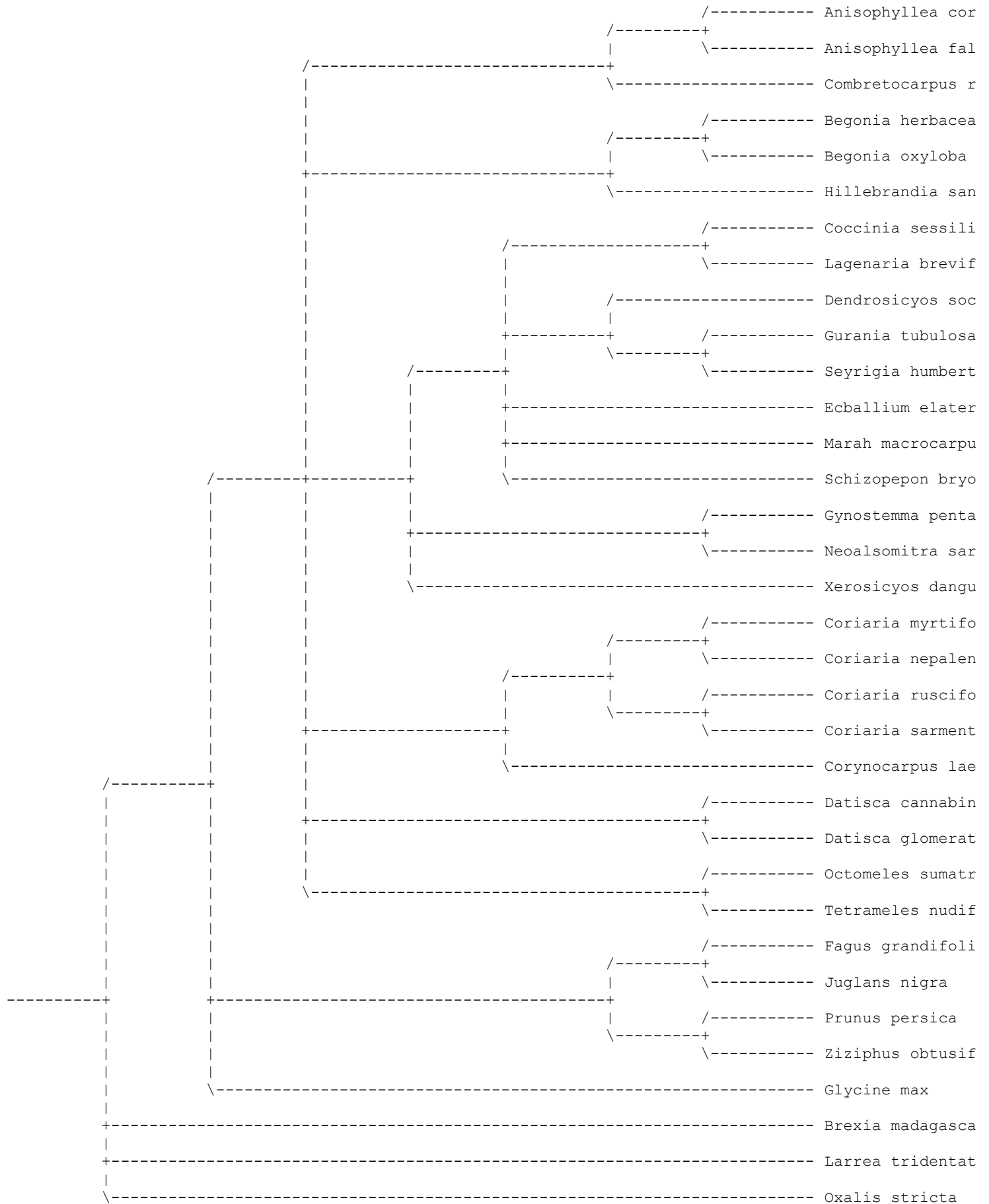


matK DNA parsimony jackknife 50% majority-rule consensus tree

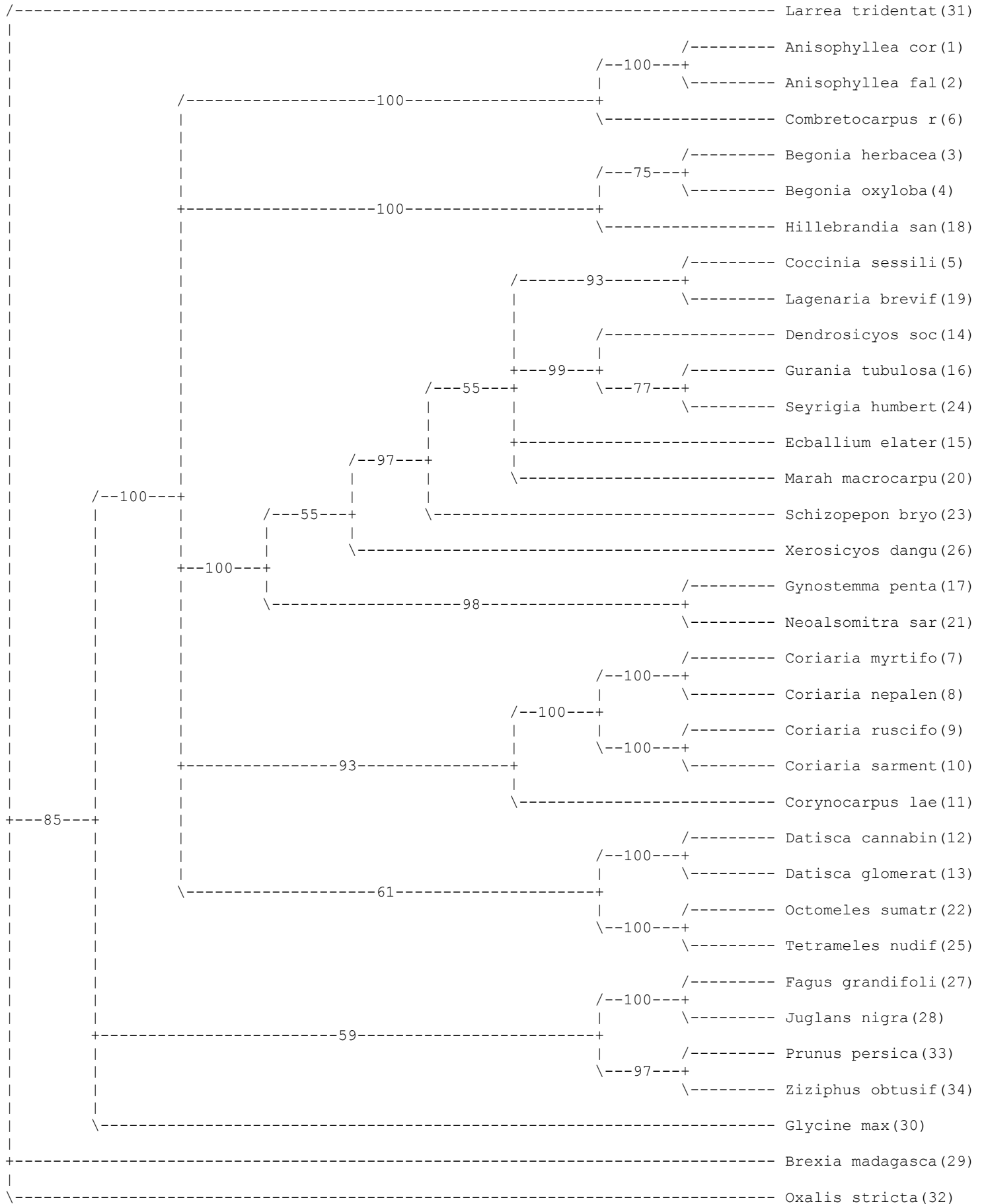




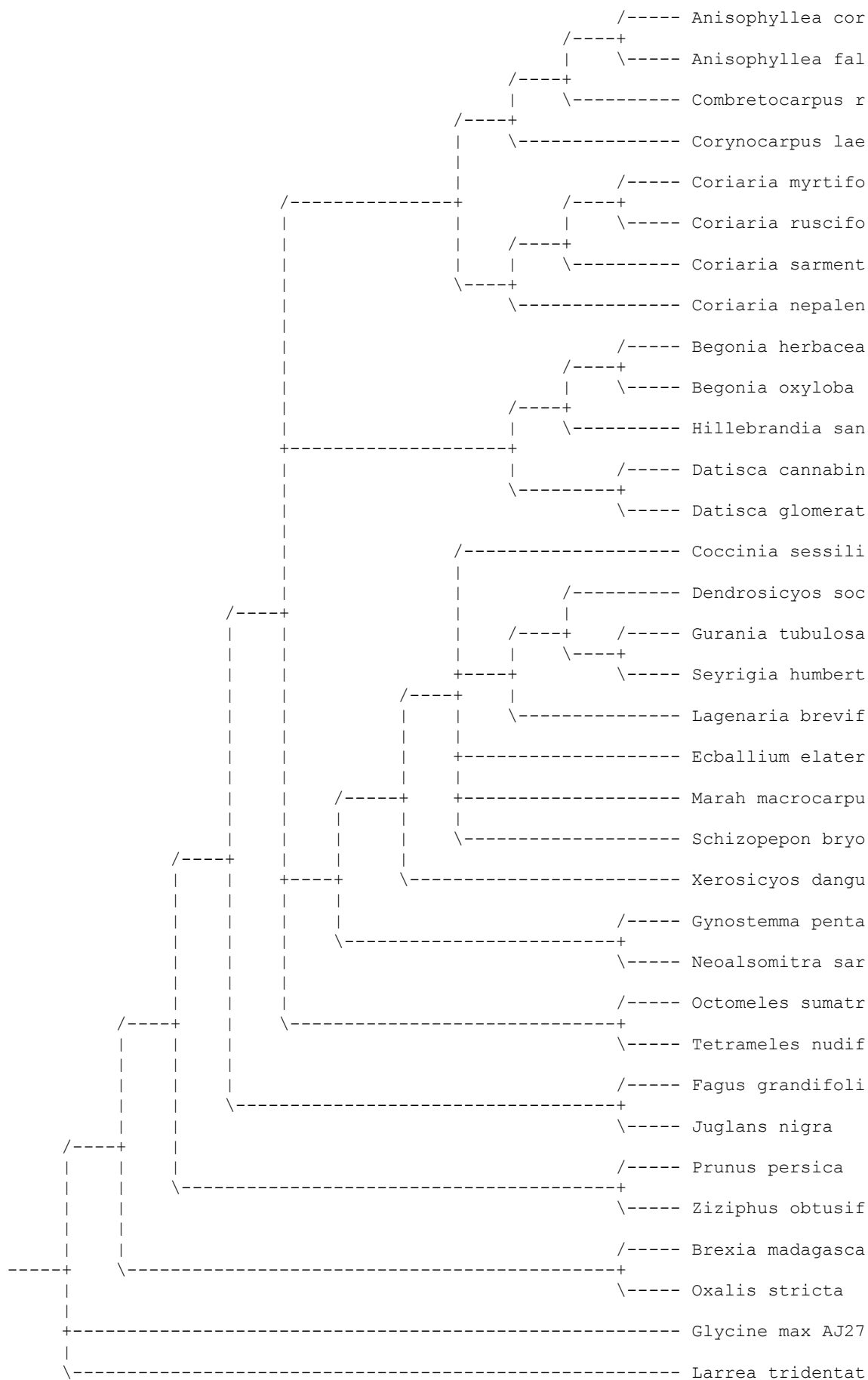
matK AA parsimony strict consensus of 226 trees:



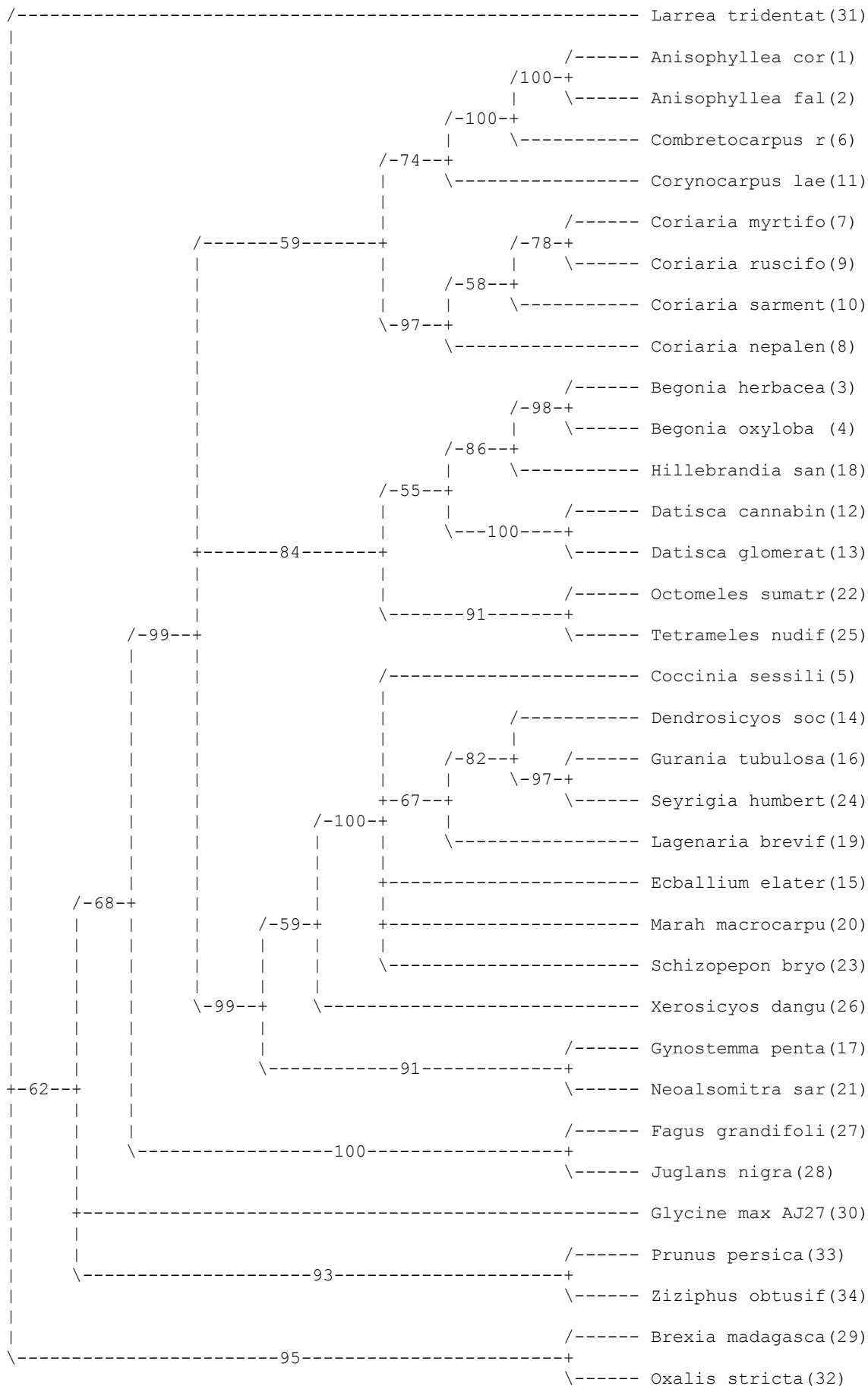
matK AA parsimony Jackknife 50% majority-rule consensus tree



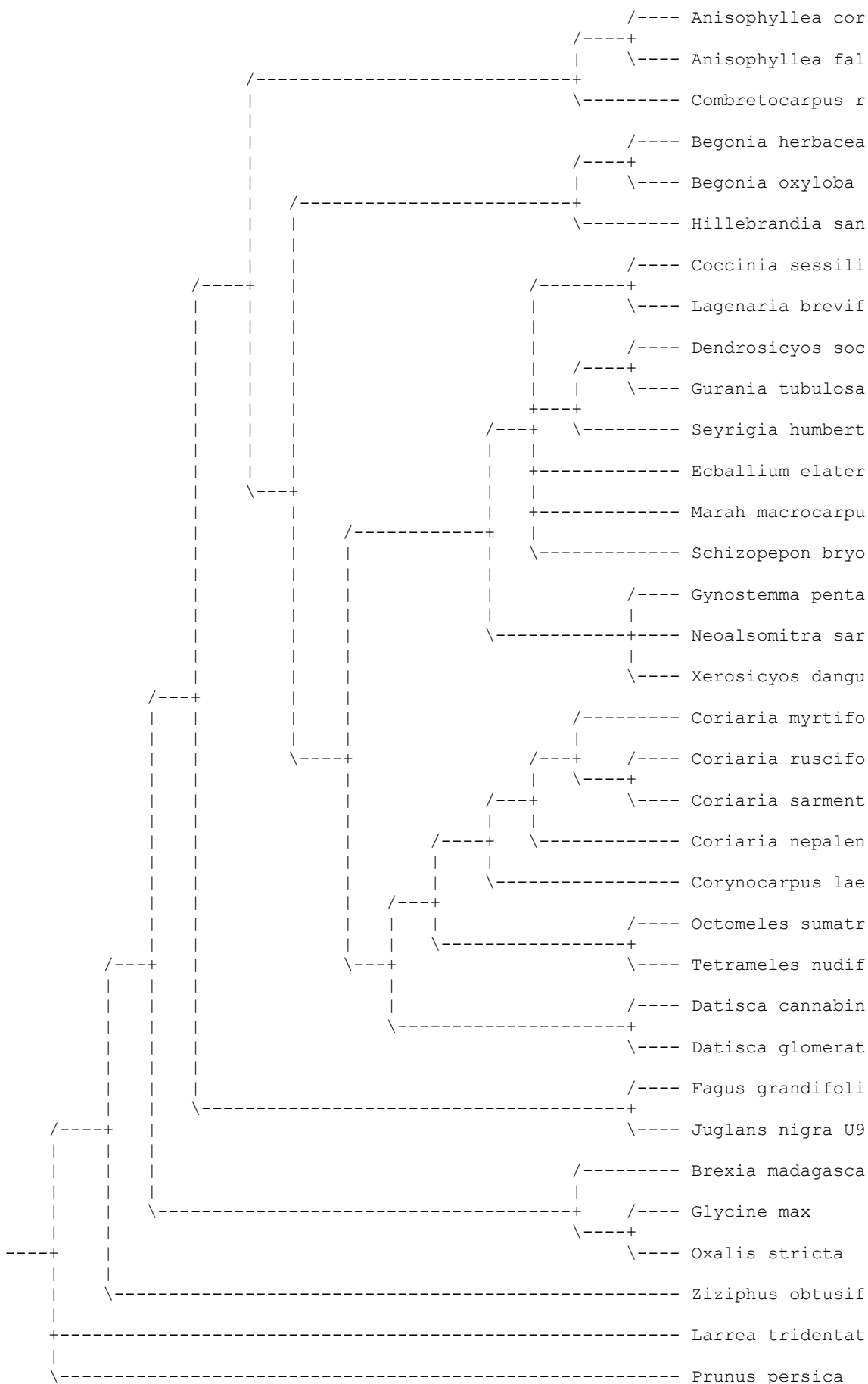
nad1 DNA parsimony strict consensus of 15 trees:



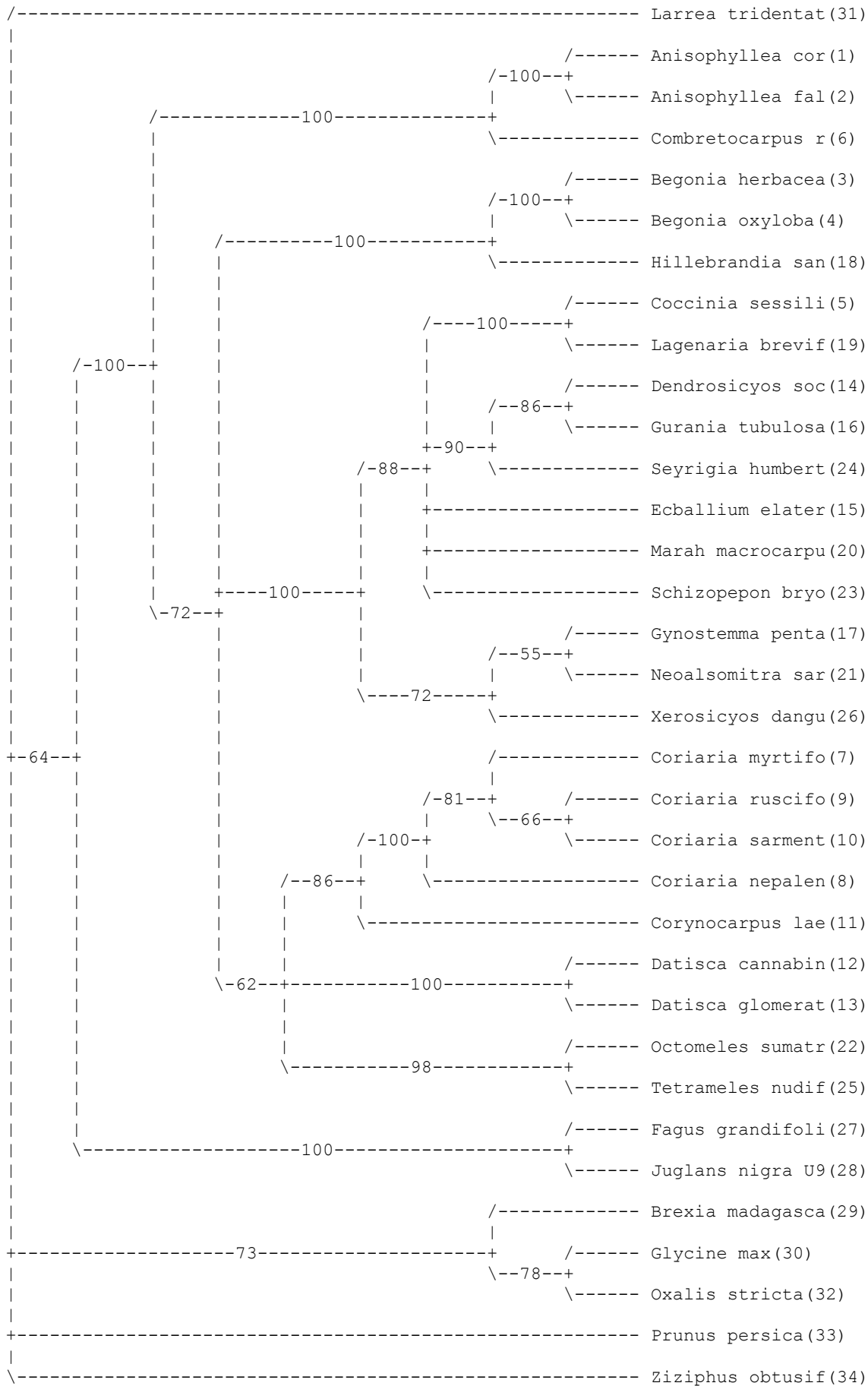
nad1 DNA MAXIMUM LIKELIHOOD Jackknife 50% majority-rule consensus tree



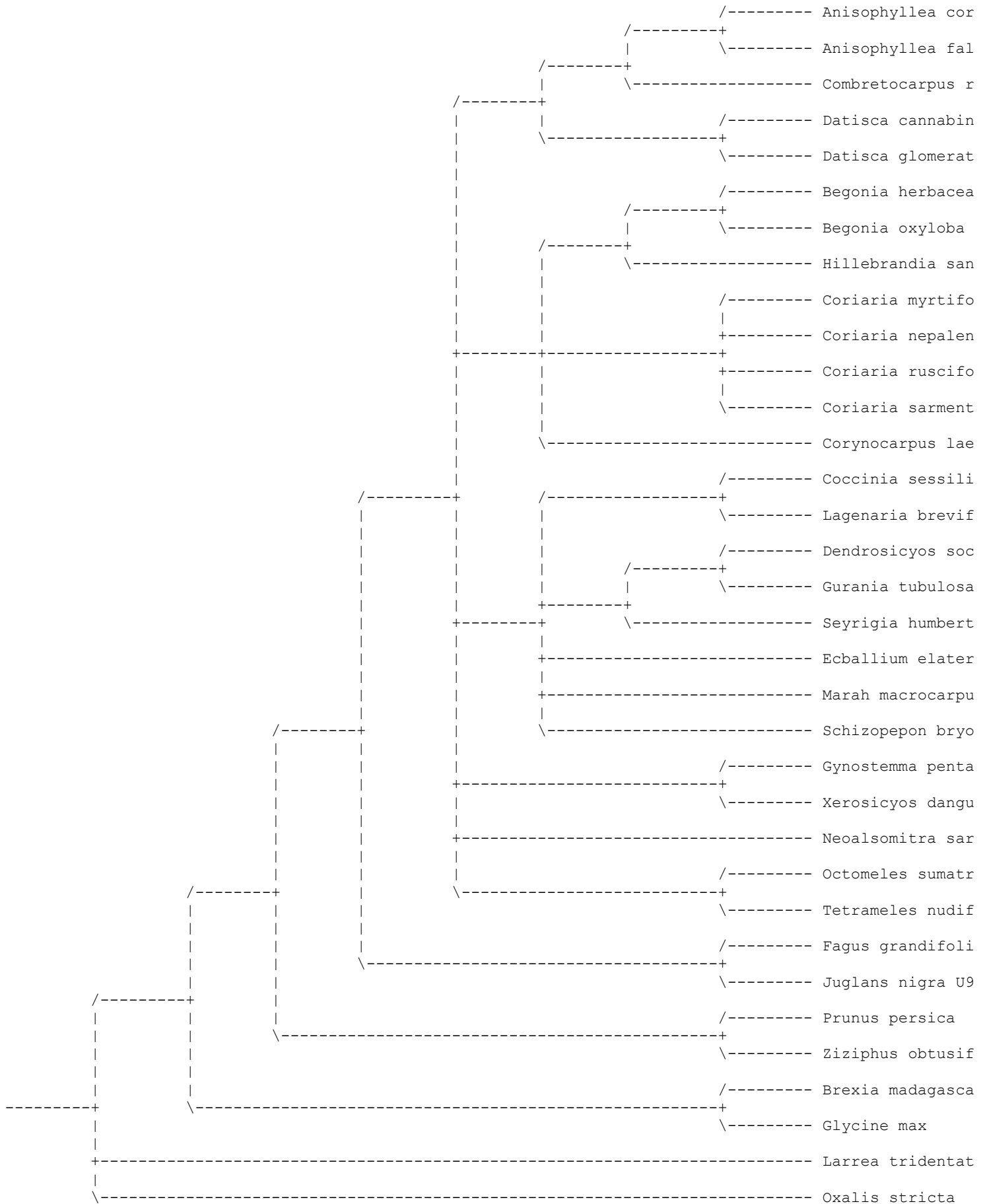
ndhF DNA parsimony strict consensus of 23 trees:



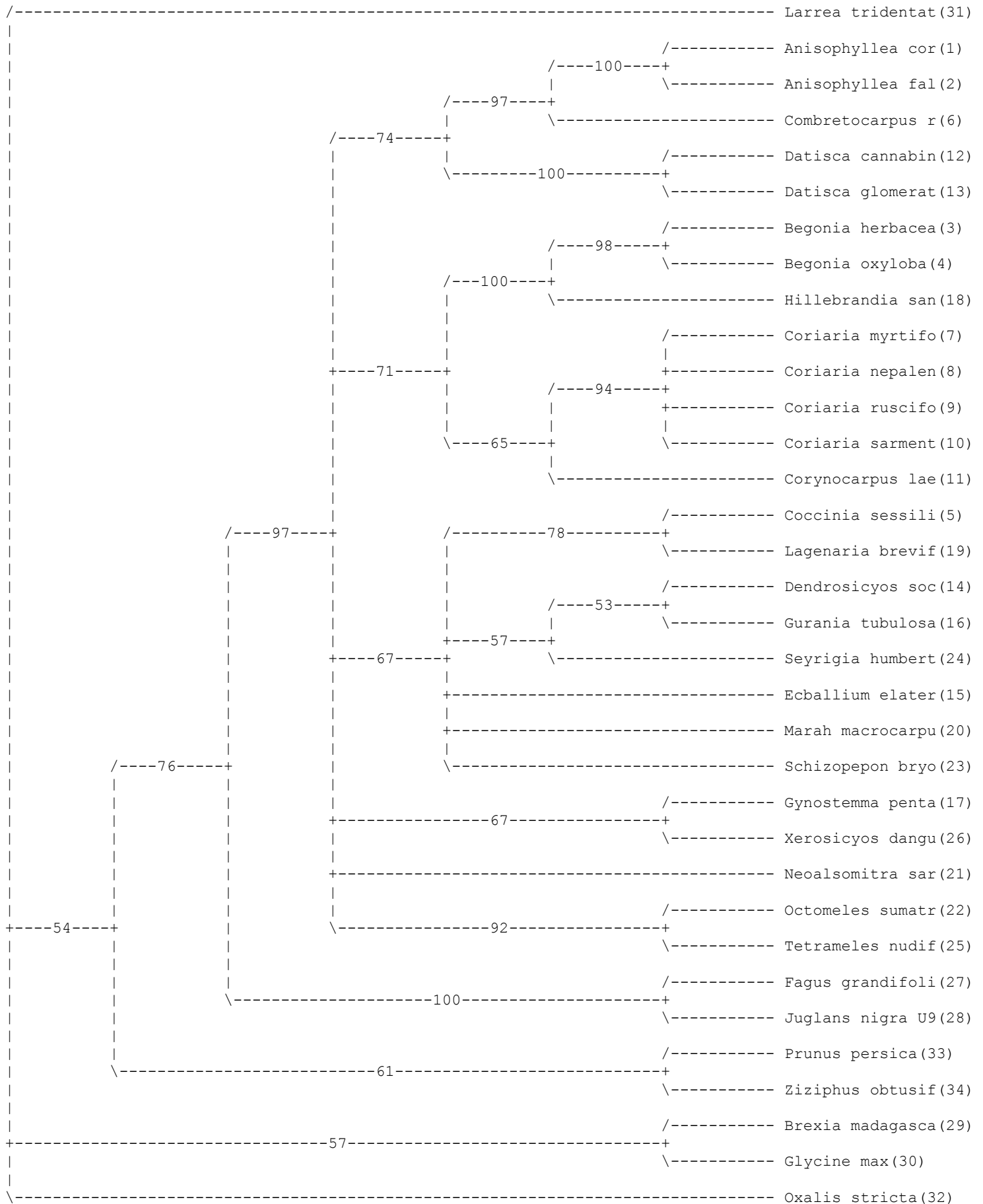
ndhF DNA parsimony jackknife 50% majority-rule consensus tree



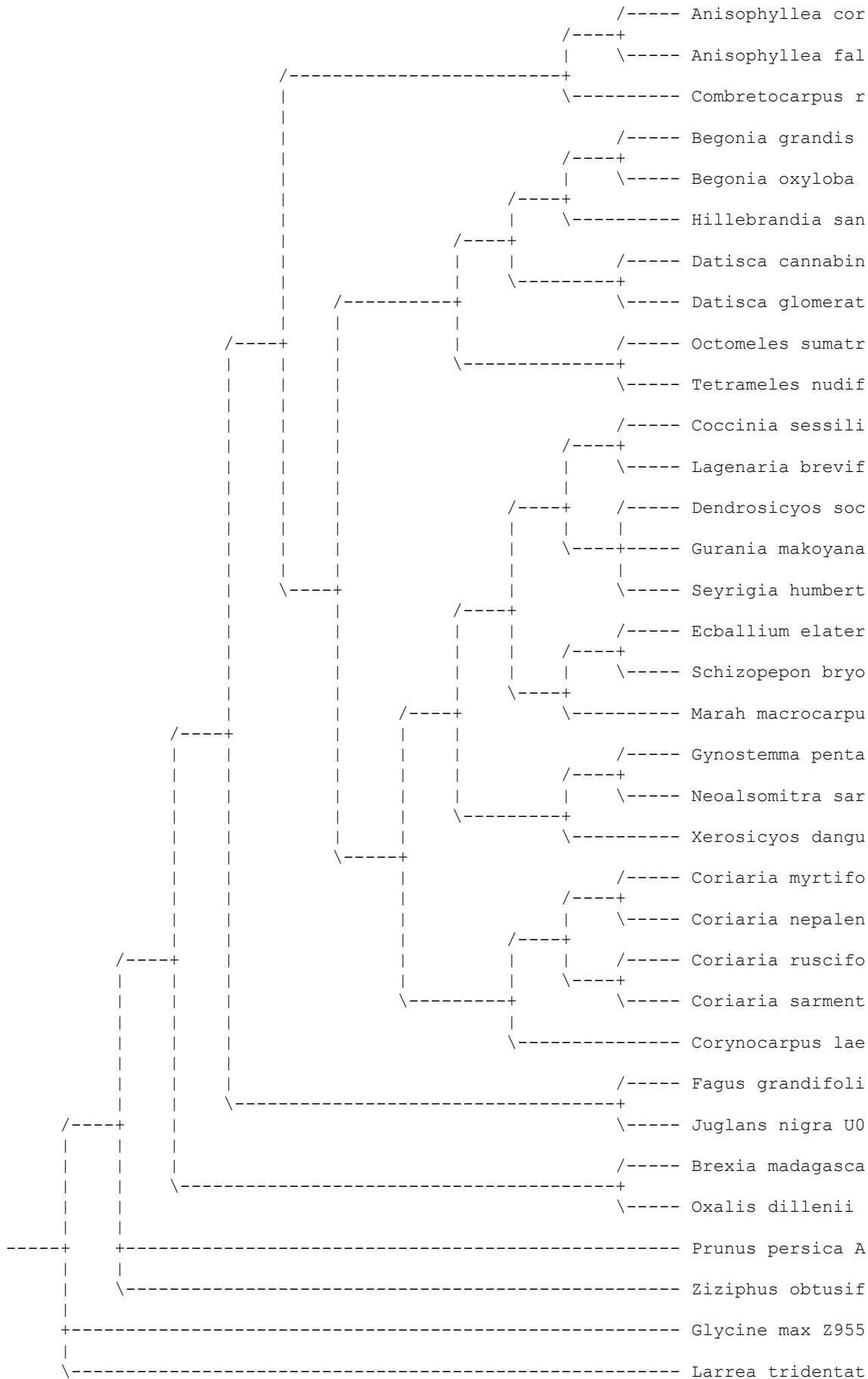
ndhF AA parsimony strict consensus of 352 trees:



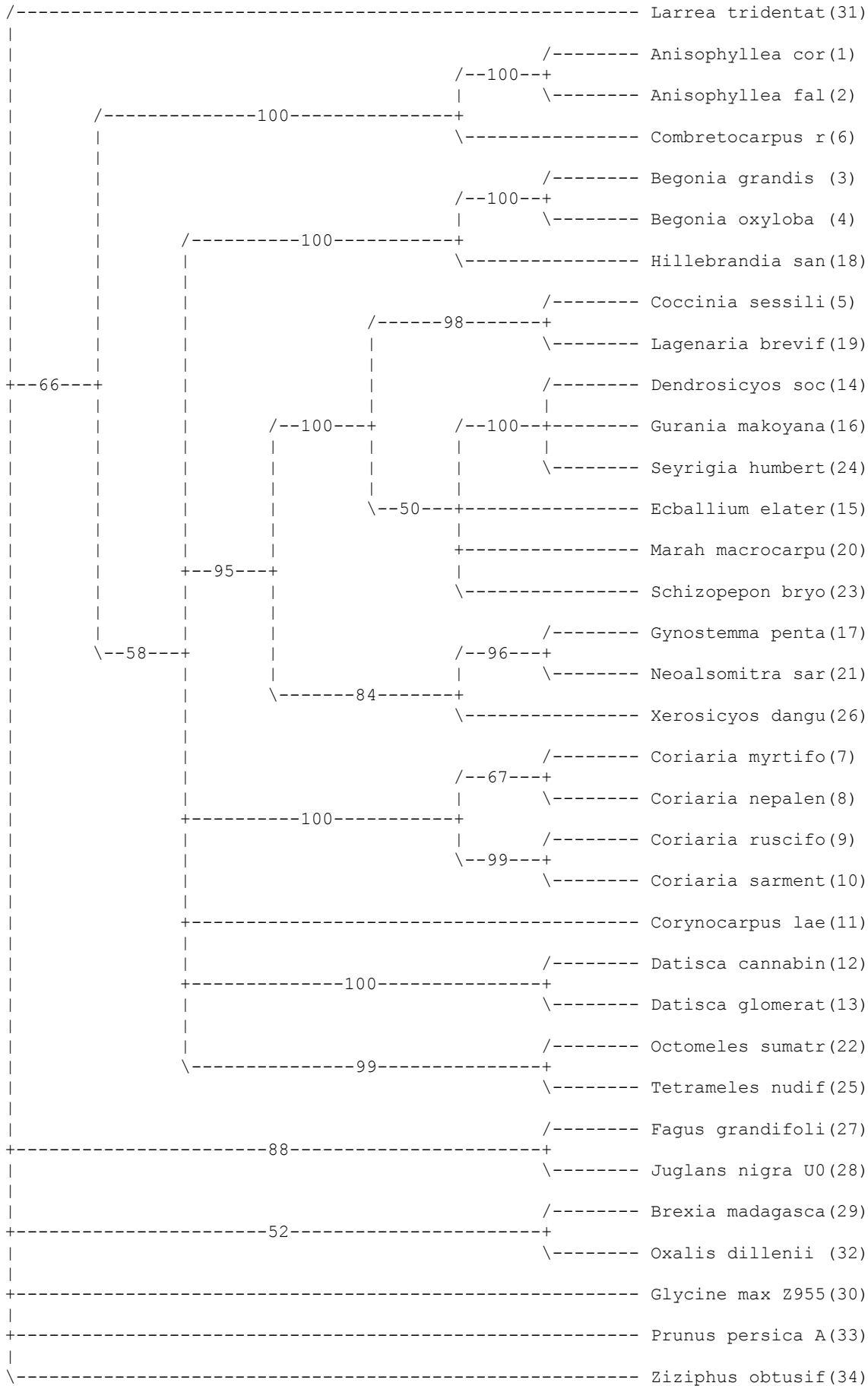
ndhF AA parsimony jackknife 50% majority-rule consensus tree



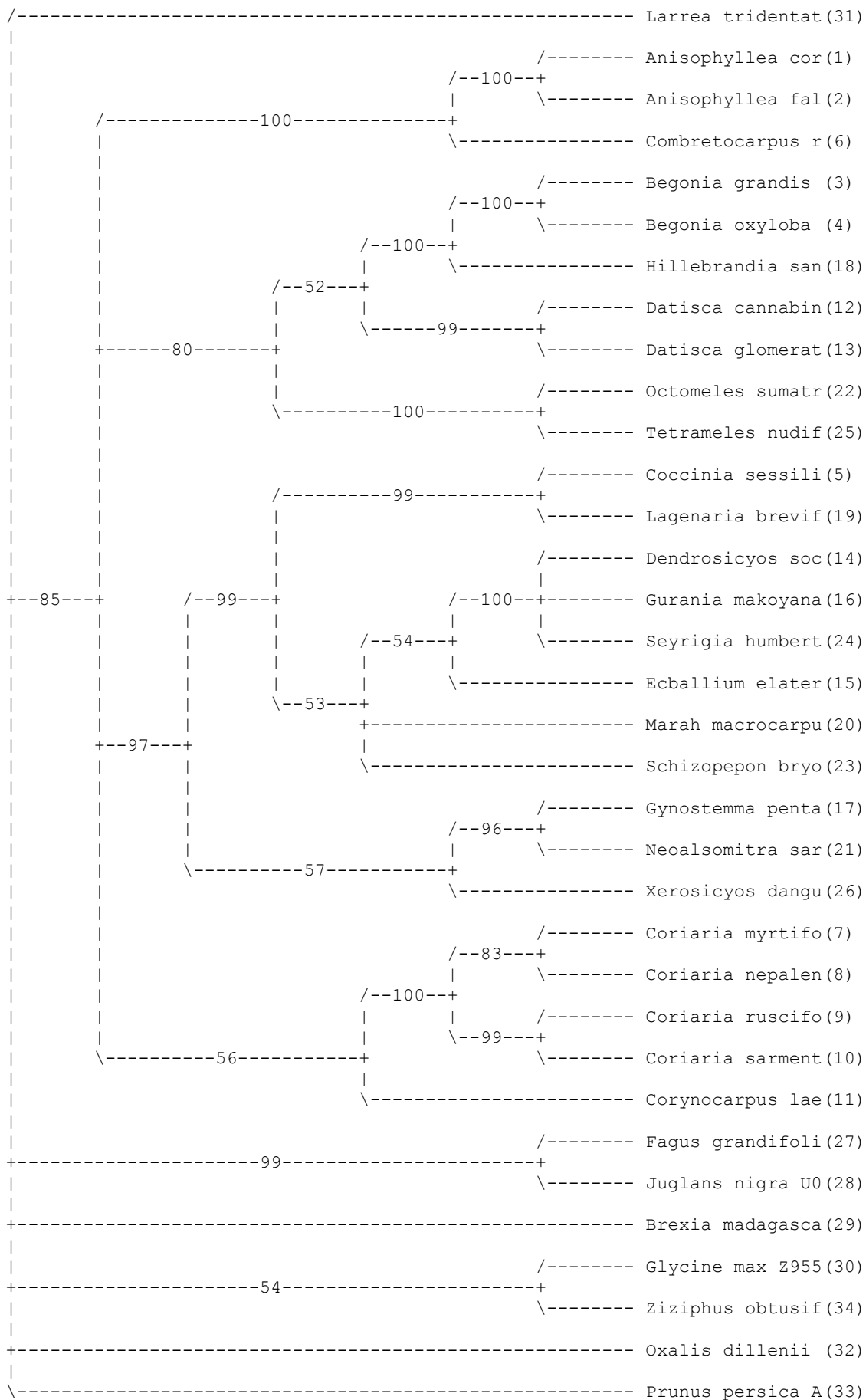
rbcL DNA parsimony strict consensus of 4 trees:



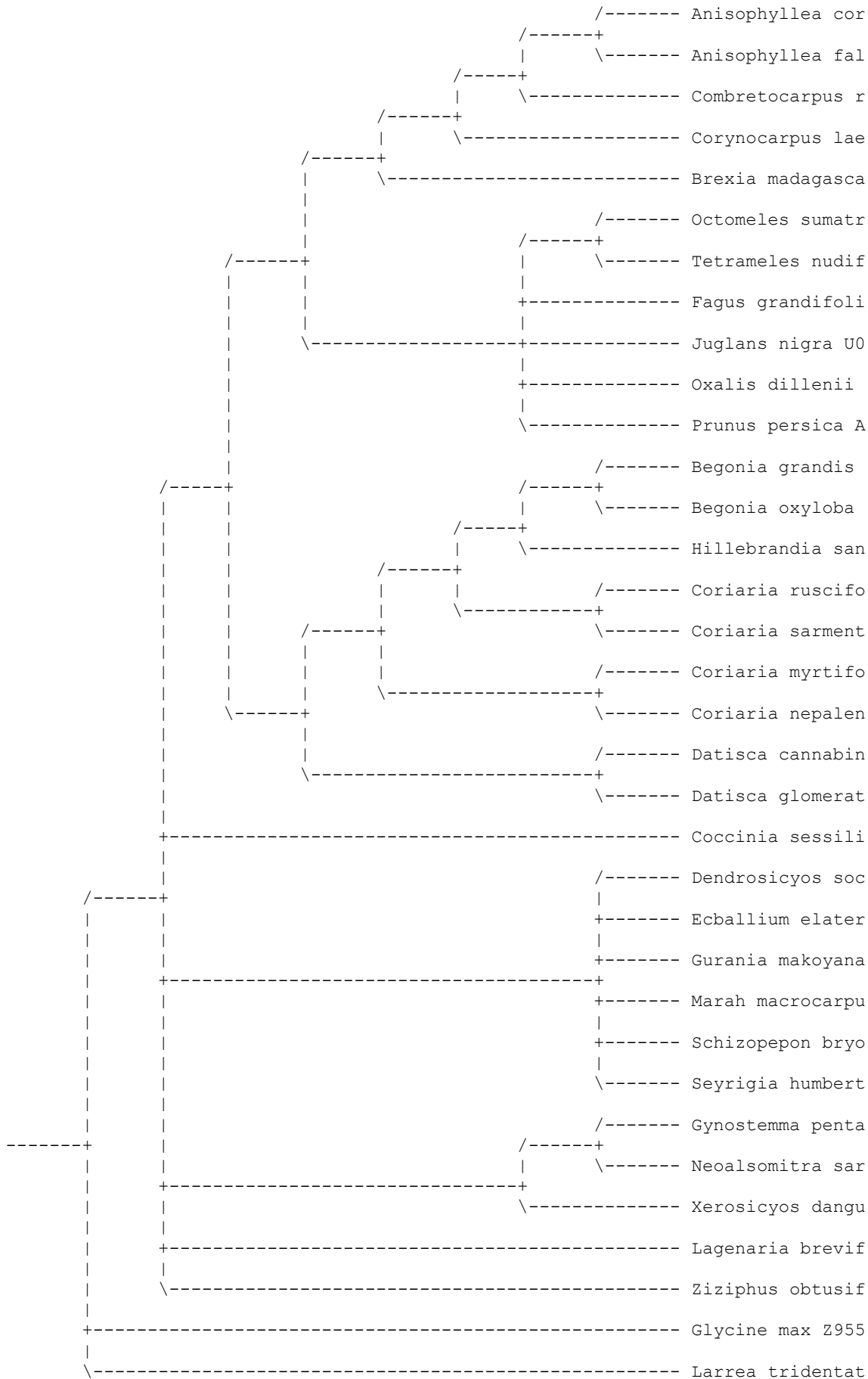
rbcL DNA parsimony jackknife 50% majority-rule consensus tree



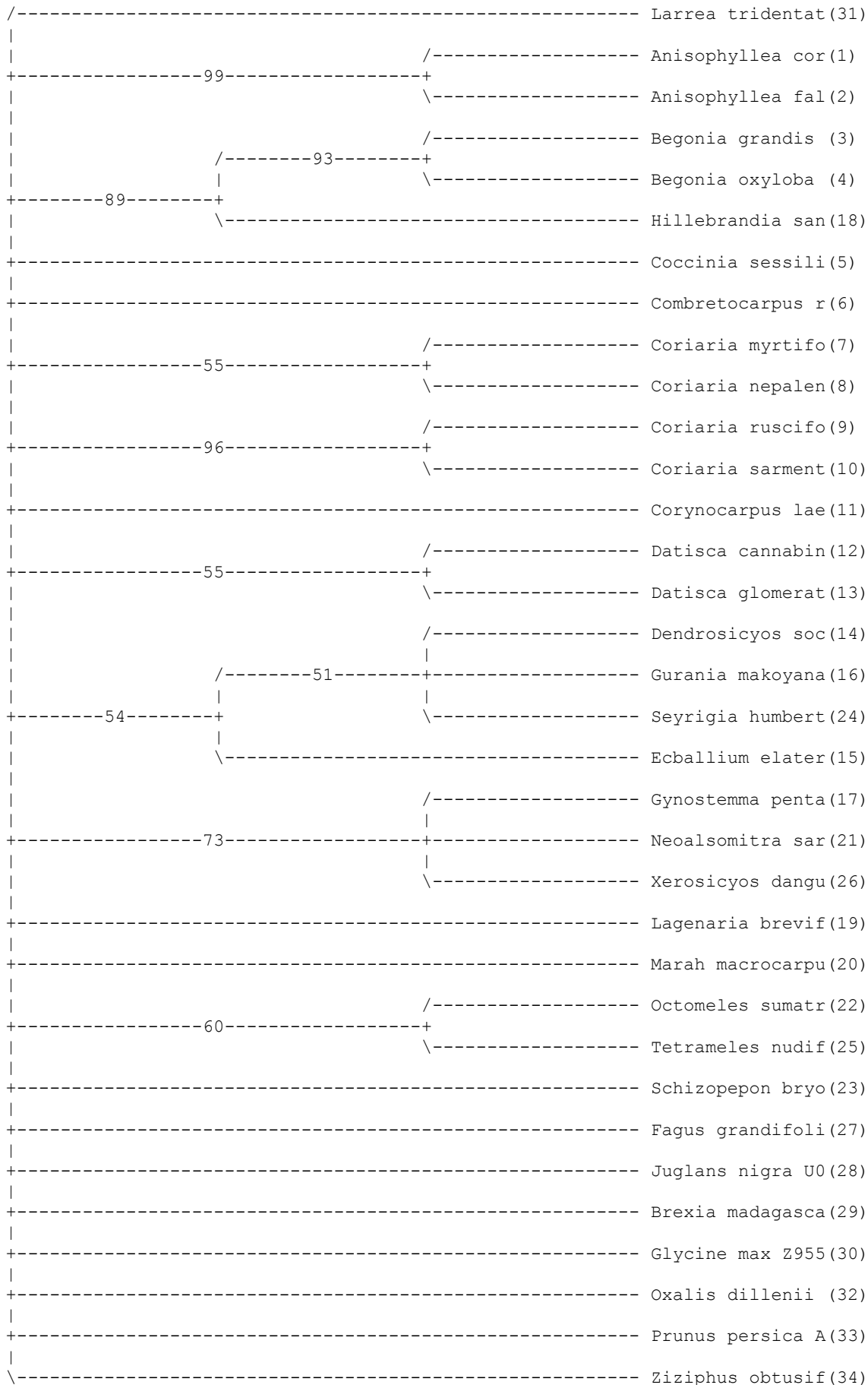
rbcL DNA123 MAXIMUM LIKELIHOOD Jackknife 50% majority-rule consensus tree



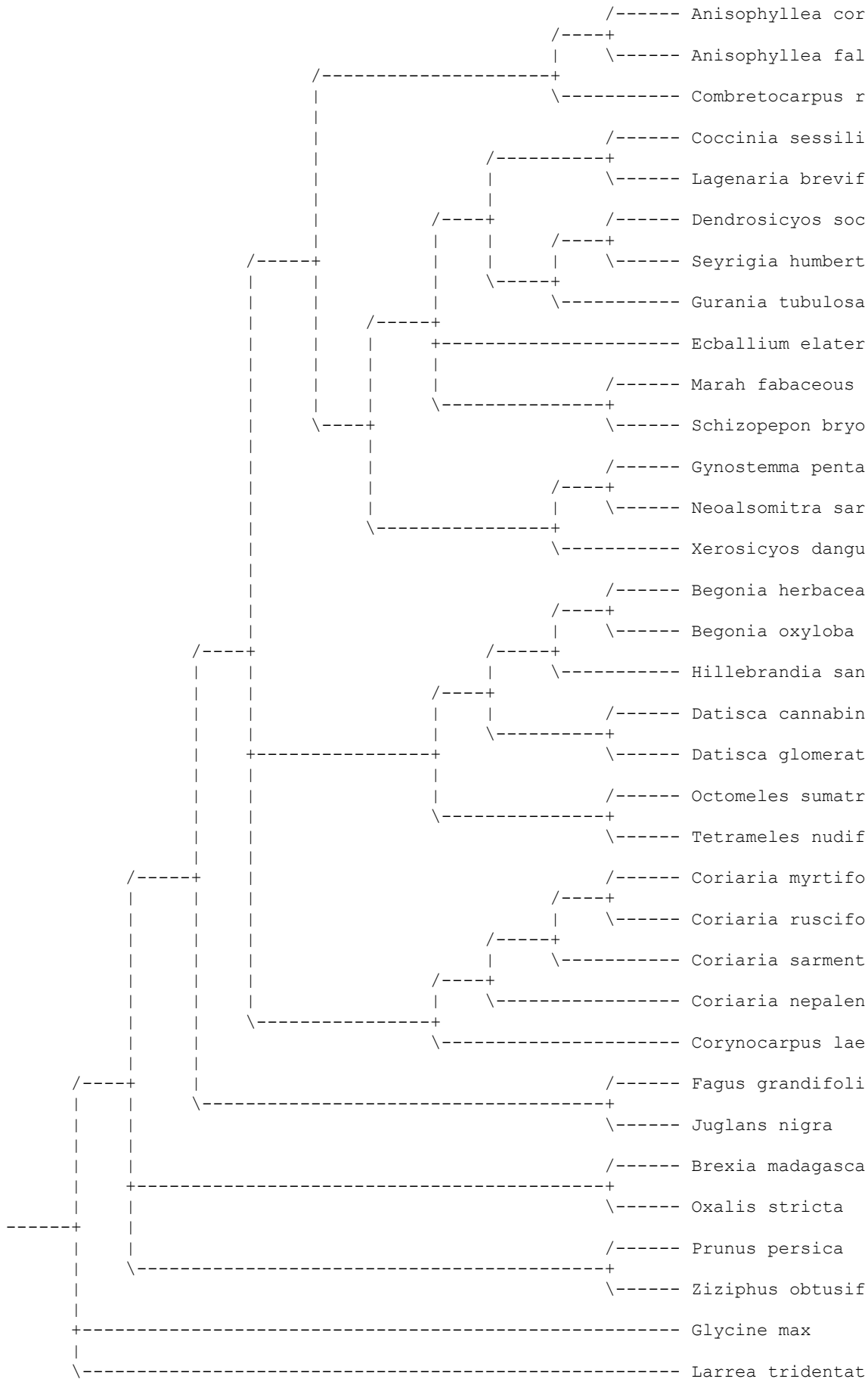
rbcL AA parsimony strict consensus of 982 trees:



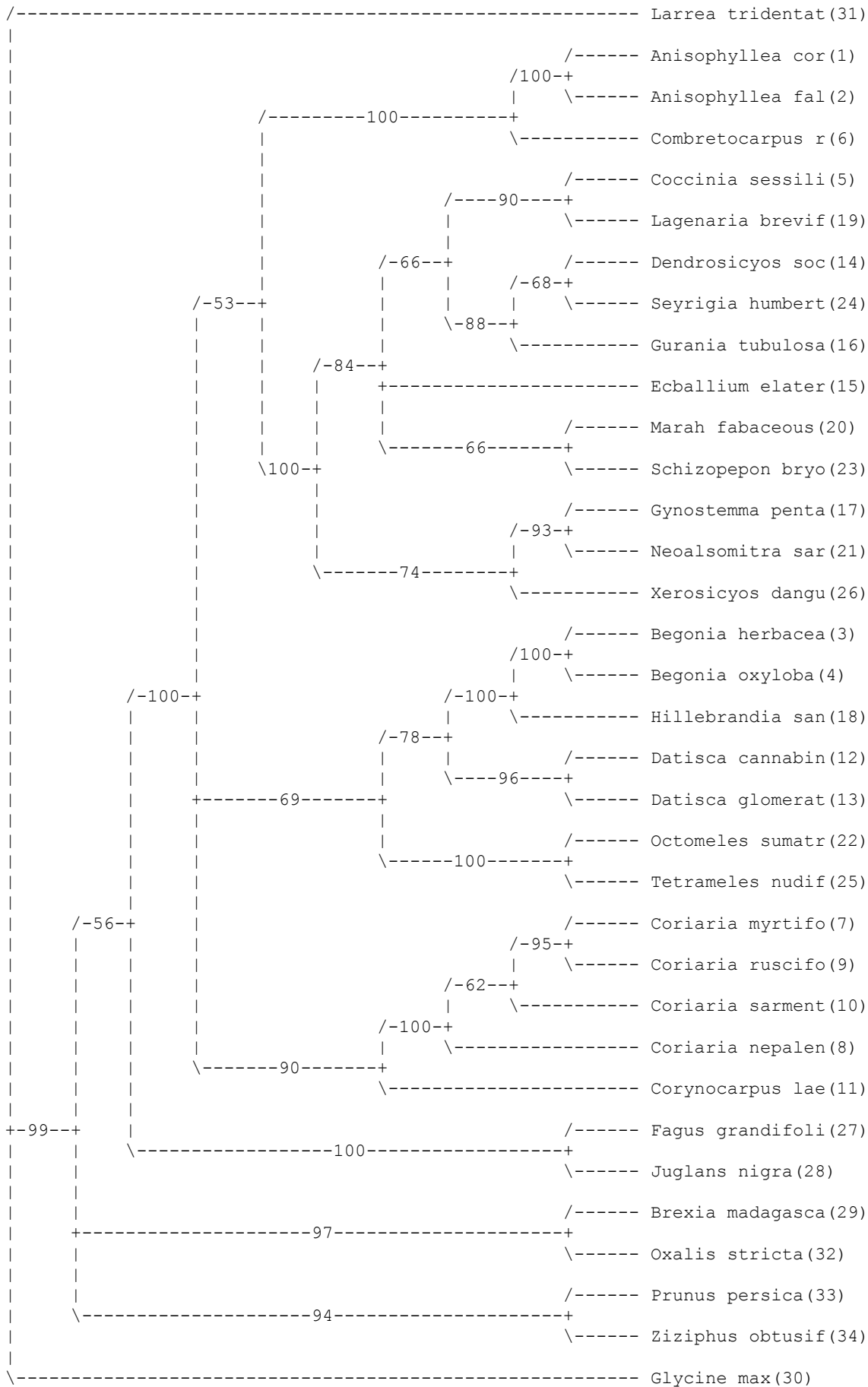
rbcL AA parsimony jackknife 50% majority-rule consensus tree



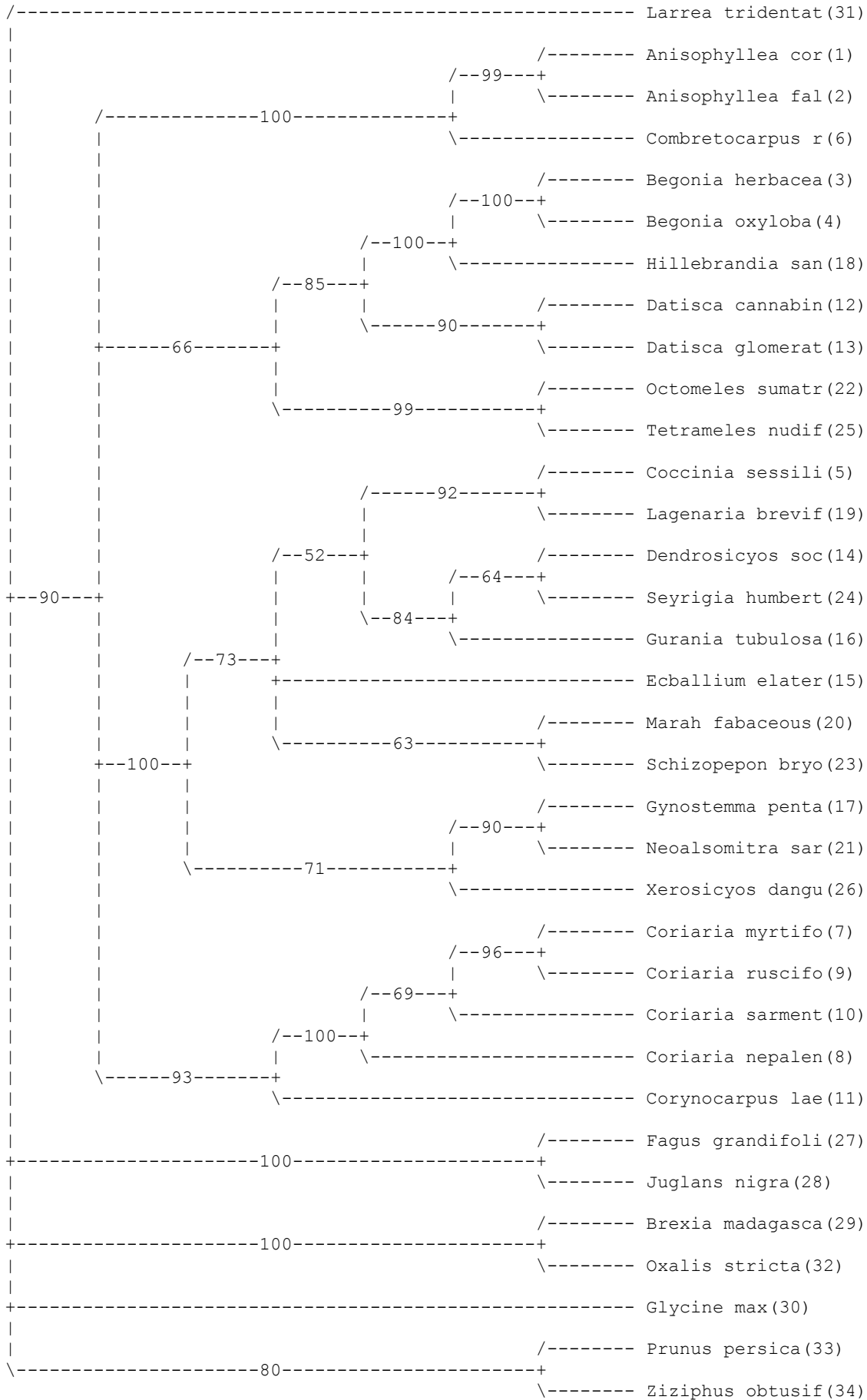
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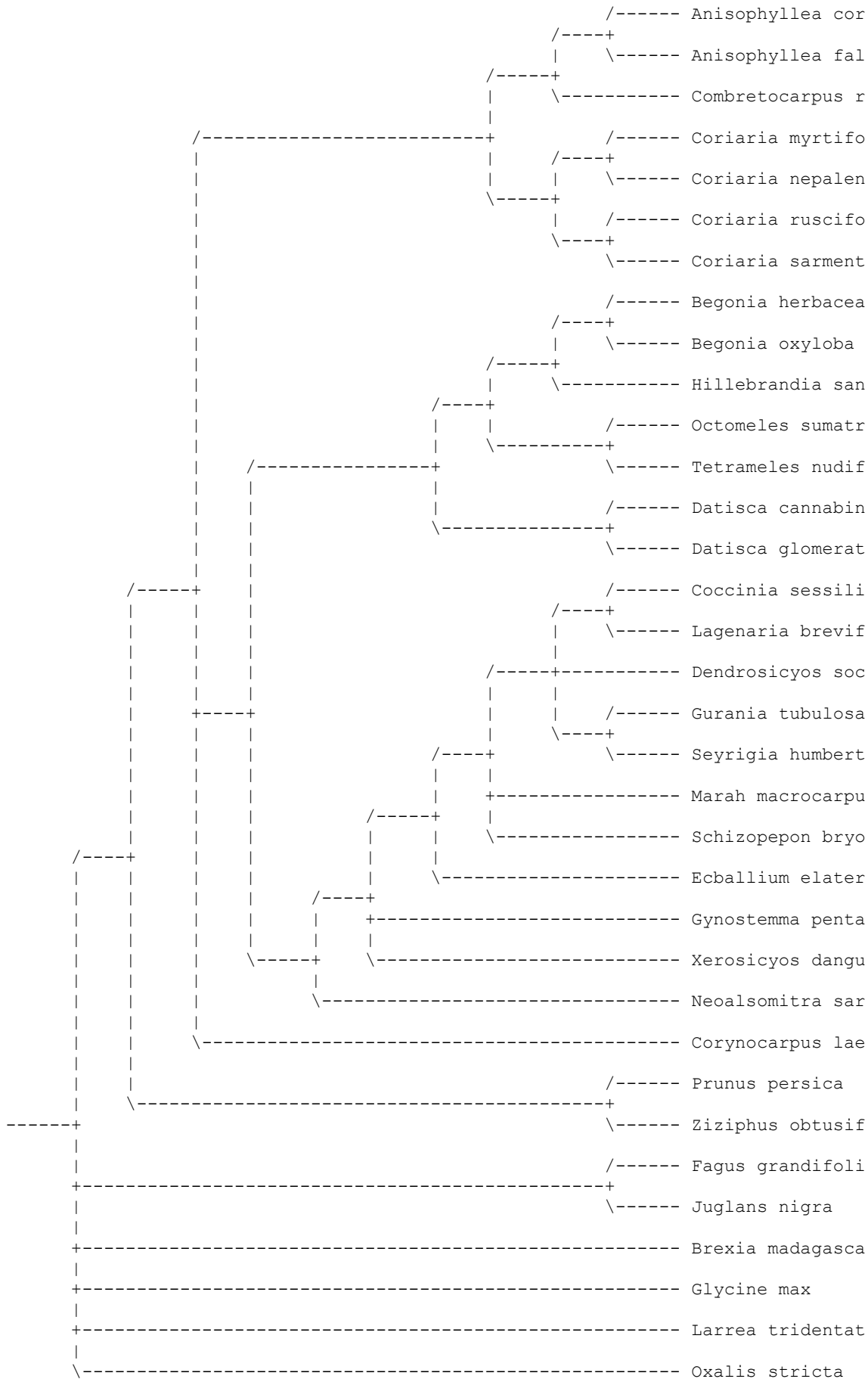
rp120 DNA parsimony jackknife 50% majority-rule consensus tree



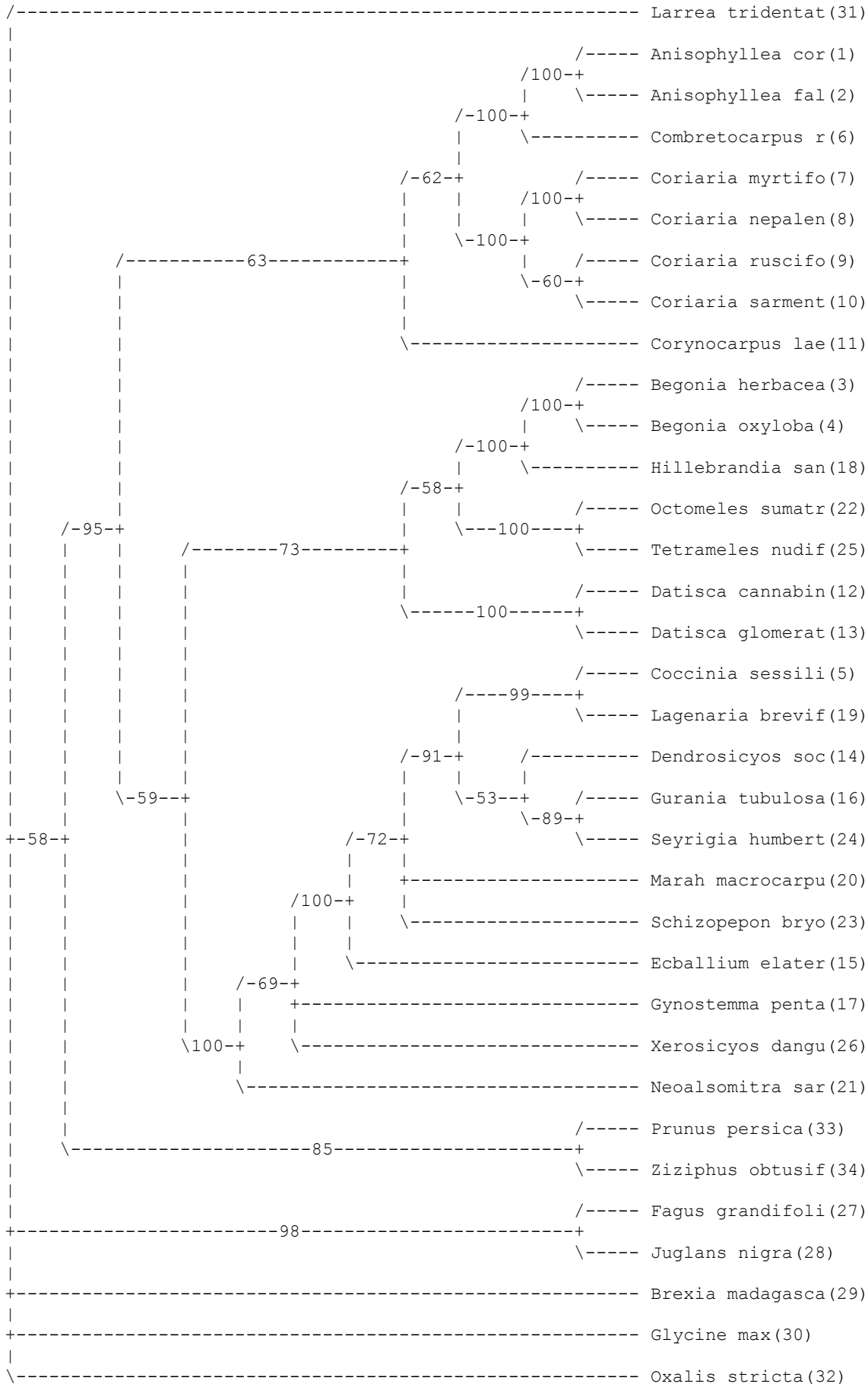
rp120 DNA MAXIMUM LIKELIHOOD Jackknife 50% majority-rule consensus tree



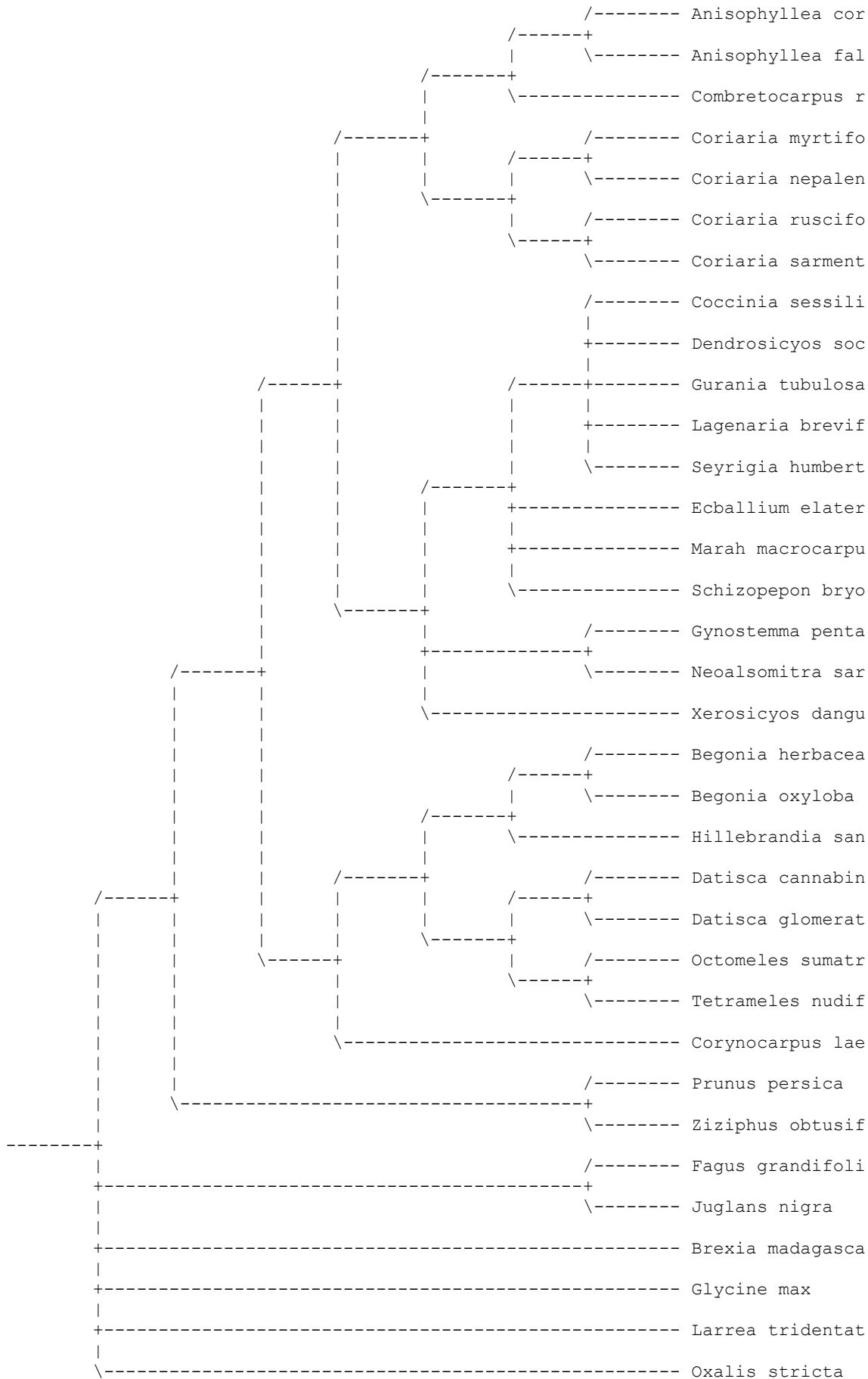
trnL-F DNA parsimony strict consensus of 198 trees:



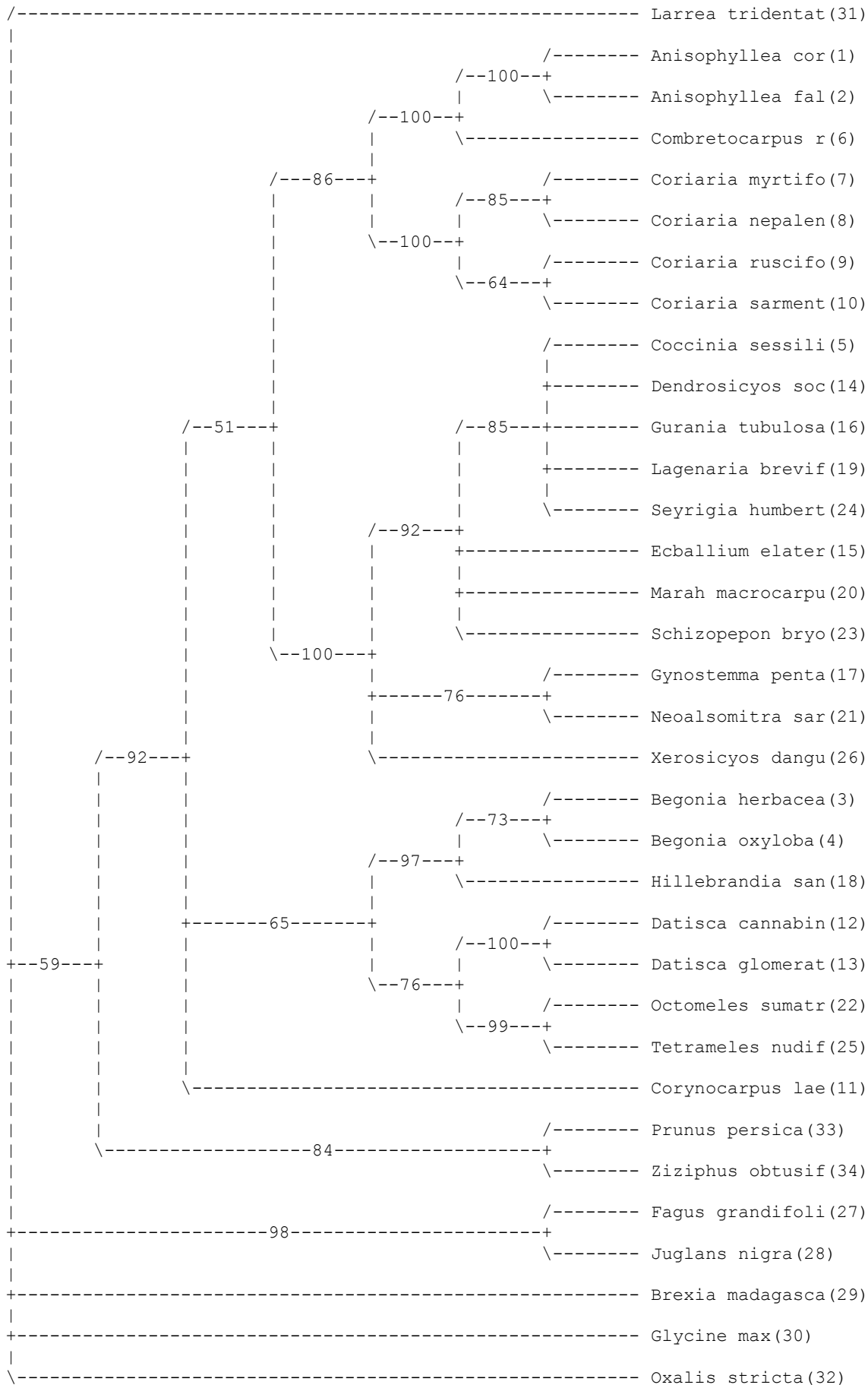
trnL-F DNA parsimony jackknife 50% majority-rule consensus tree



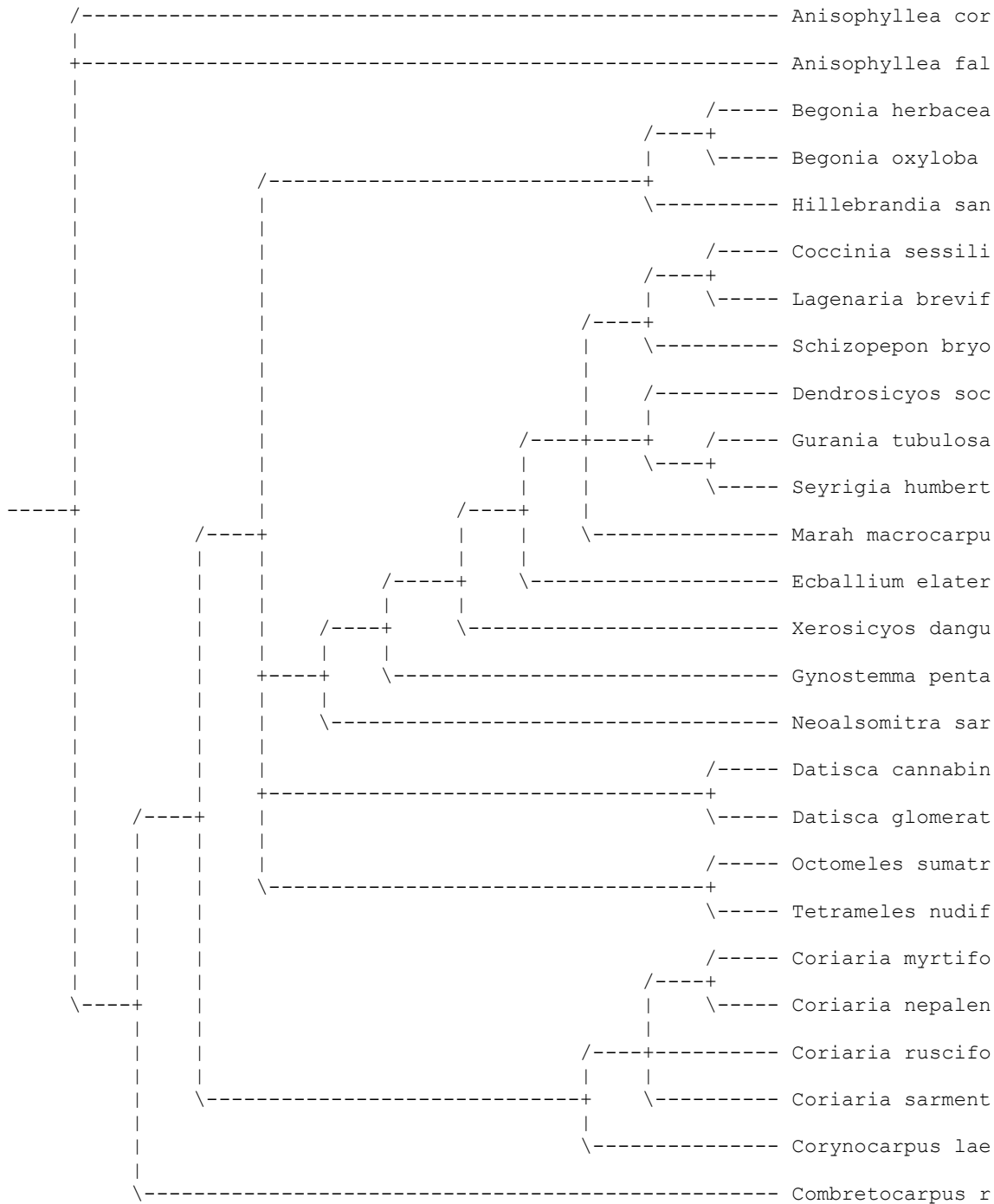
trnL intron DNA parsimony strict consensus of 3908 trees:



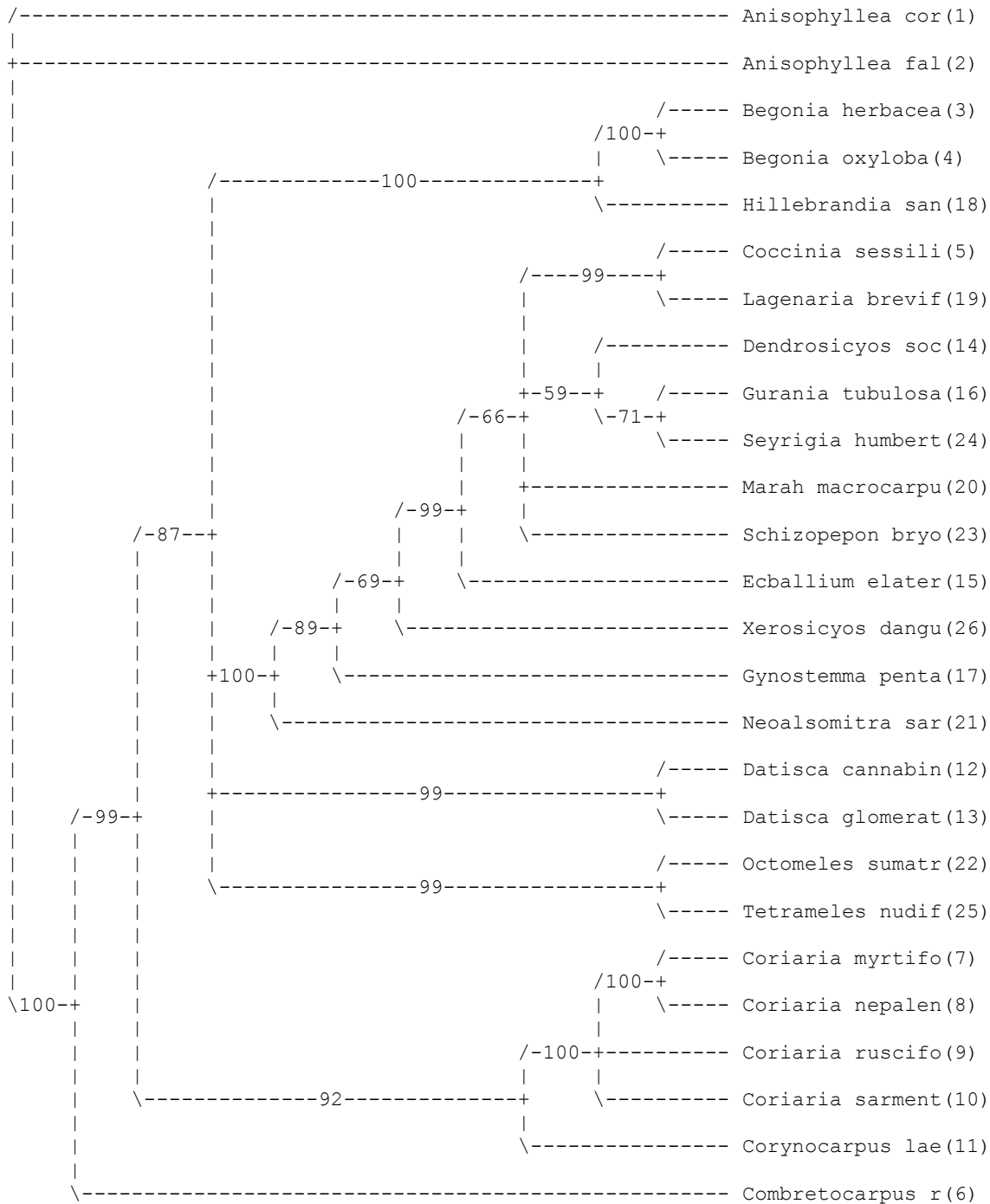
trnL intron DNA parsimony jackknife 50% majority-rule consensus tree



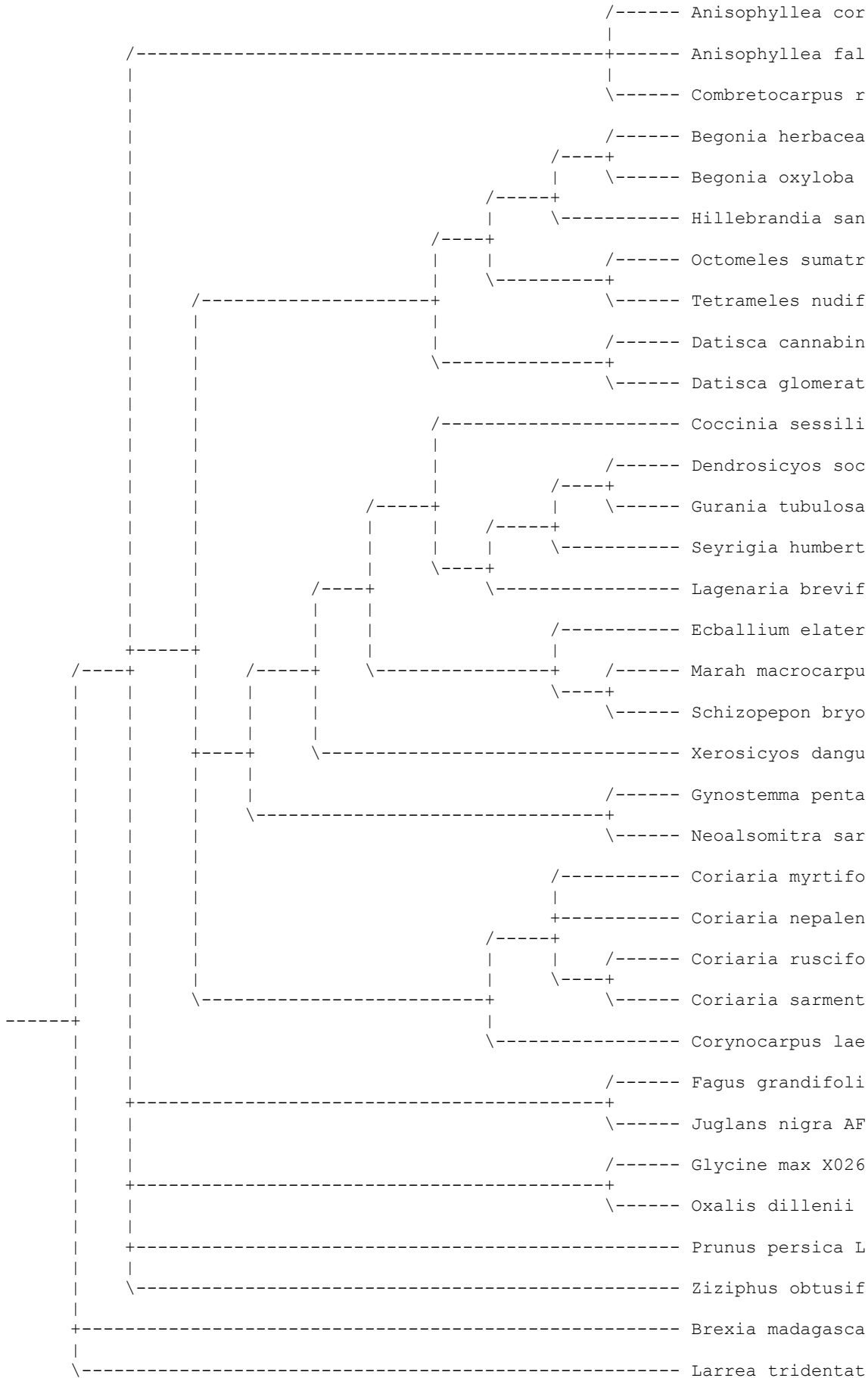
trnL-F spacer DNA parsimony strict consensus of 18 trees:



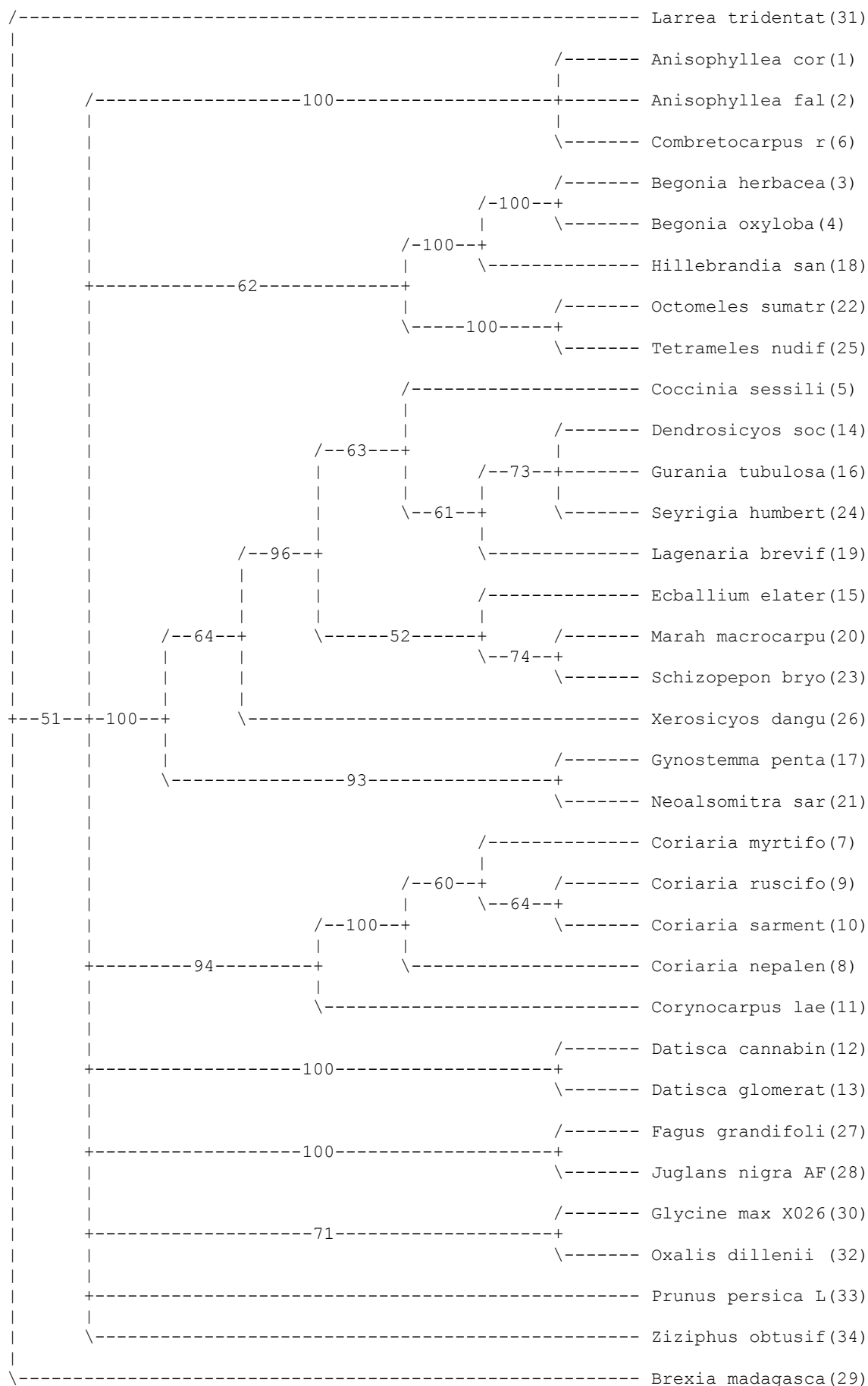
trnL-F spacer DNA parsimony jackknife 50% majority-rule consensus tree



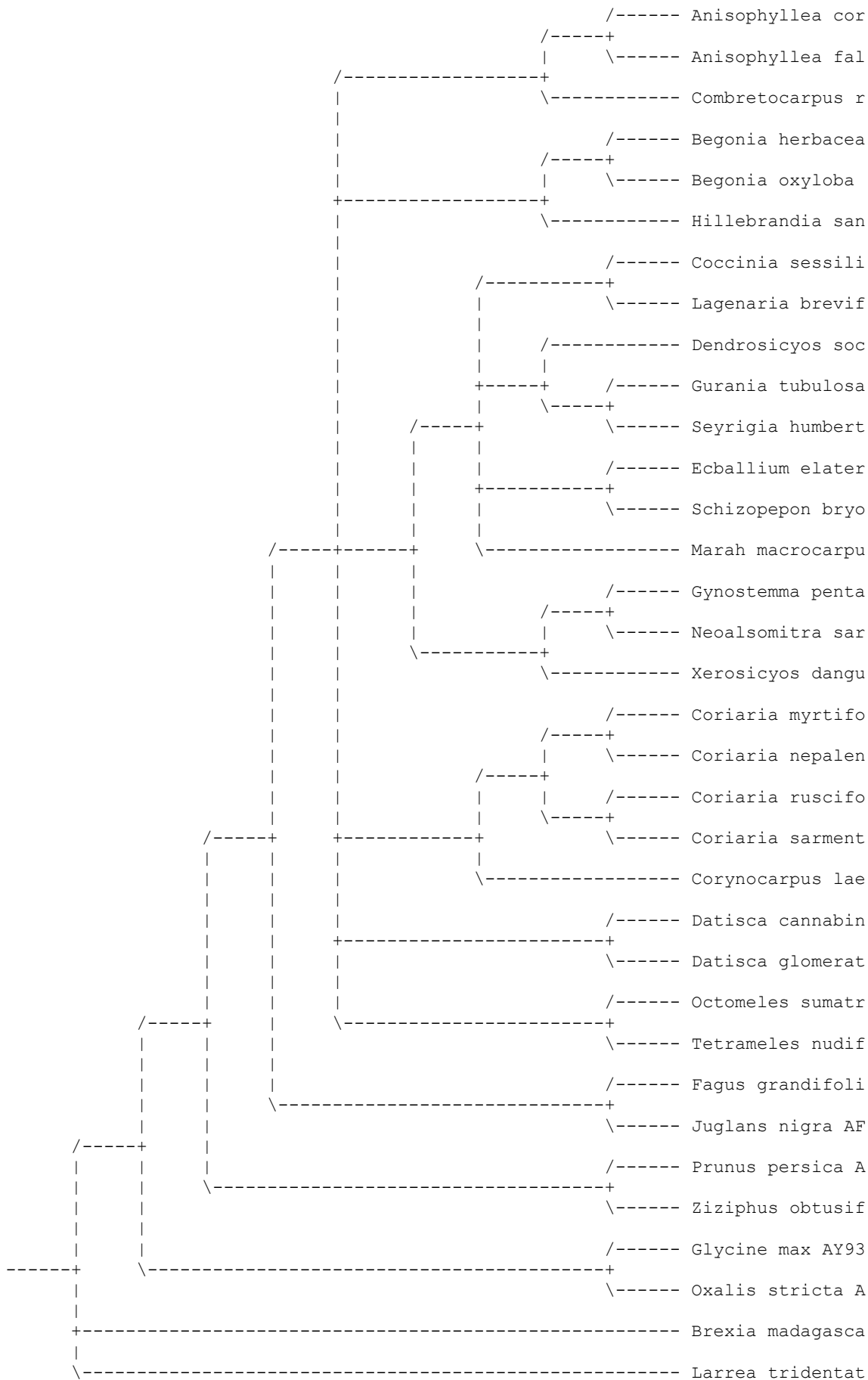
Entire rDNA parsimony strict consensus of 7 trees:



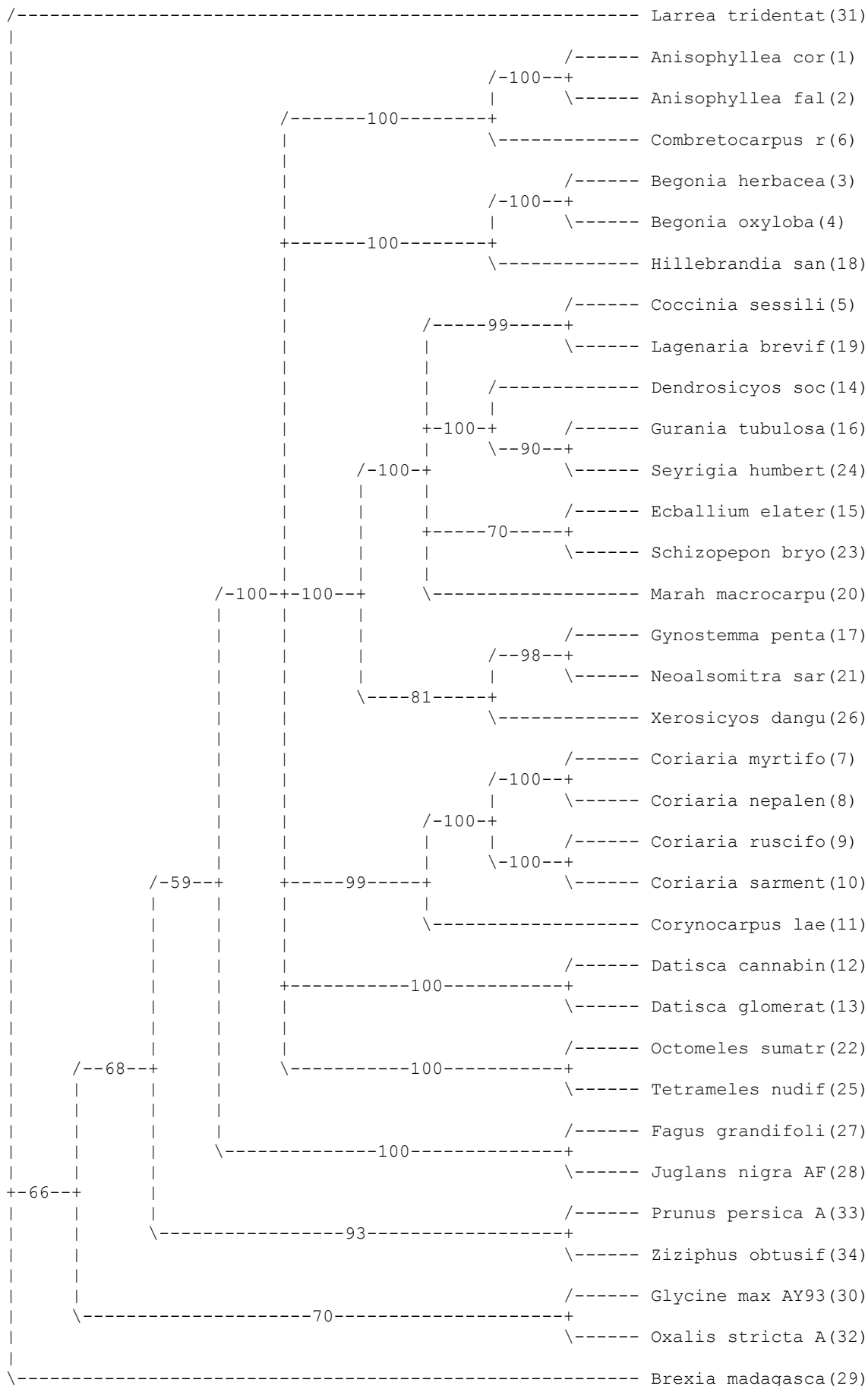
Entire rDNA parsimony jackknife 50% majority-rule consensus tree



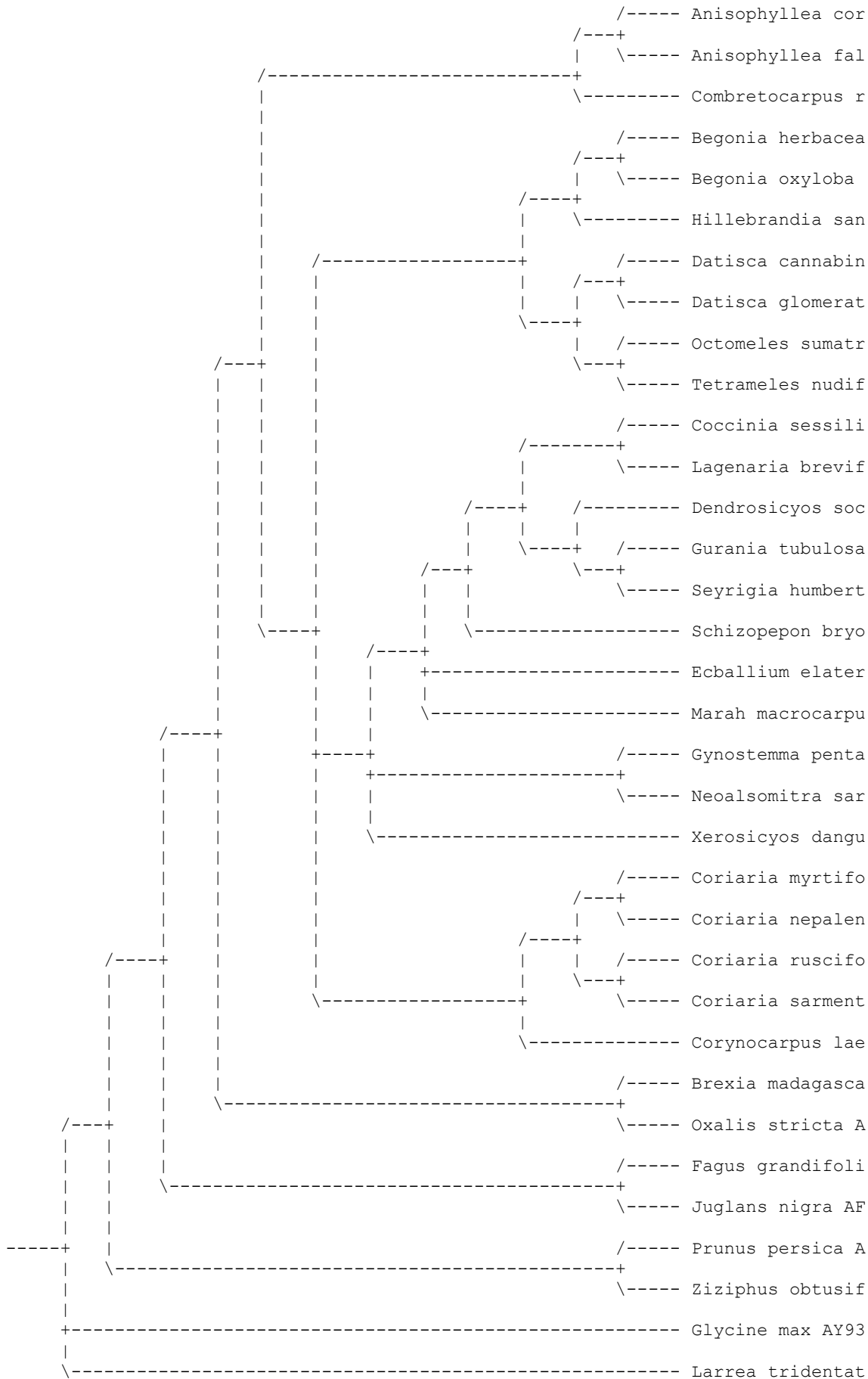
Plastid 1st and 2nd codon positions only parsimony strict consensus of 4 trees:



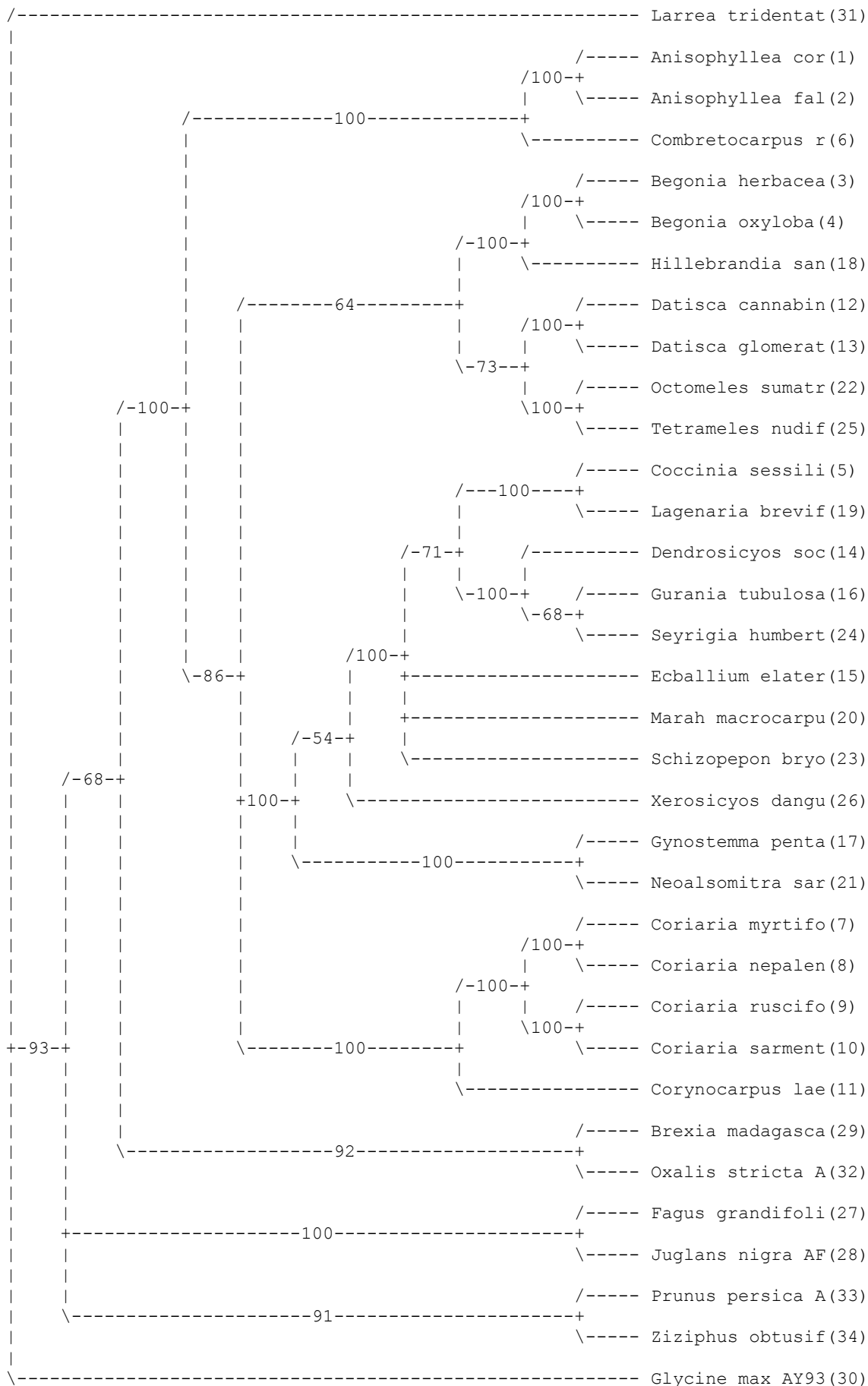
Plastid 1st and 2nd codon positions only parsimony jackknife 50% majority-rule consensus tree



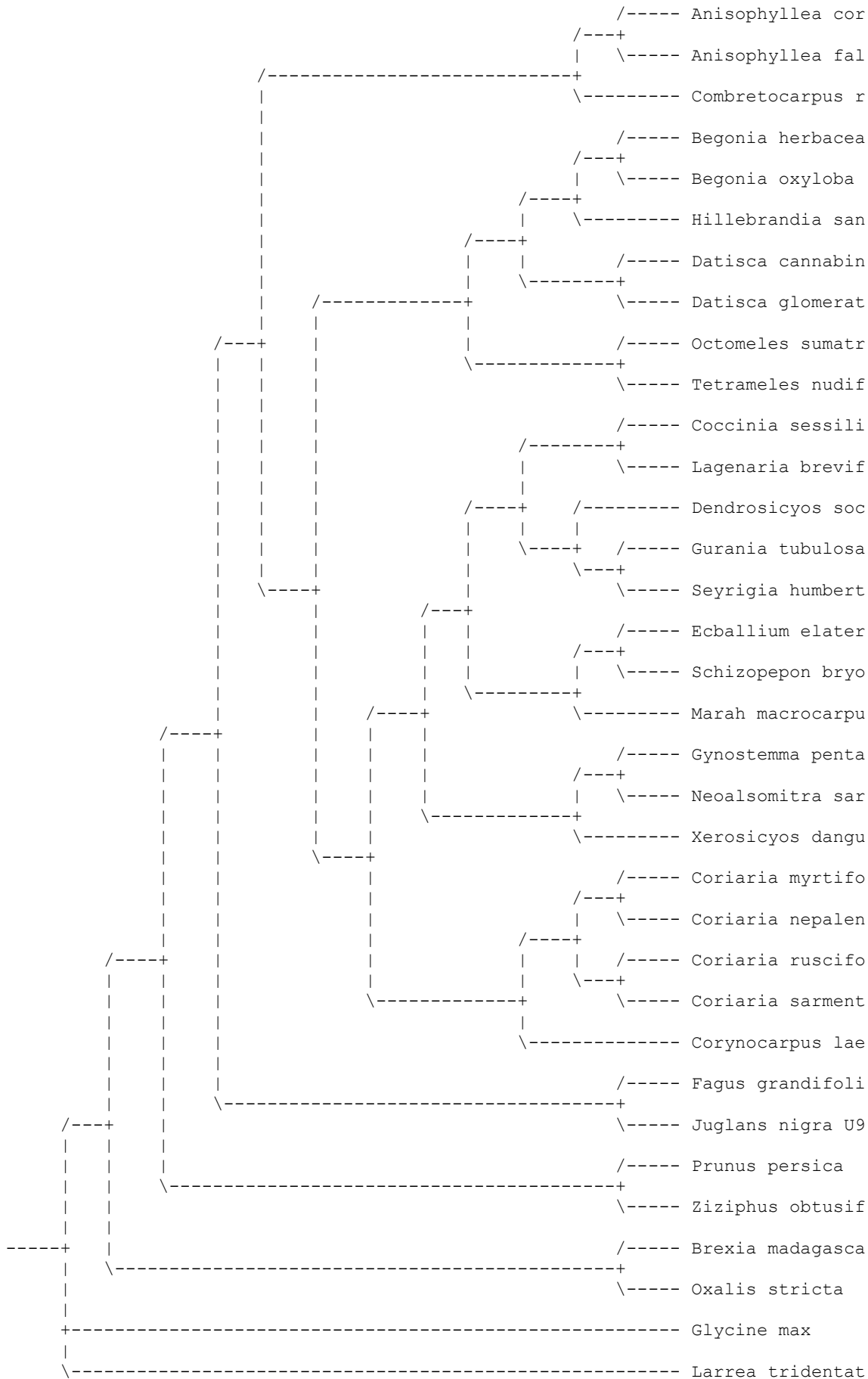
Plastid 3rd codon positions only parsimony strict consensus of 6 trees:



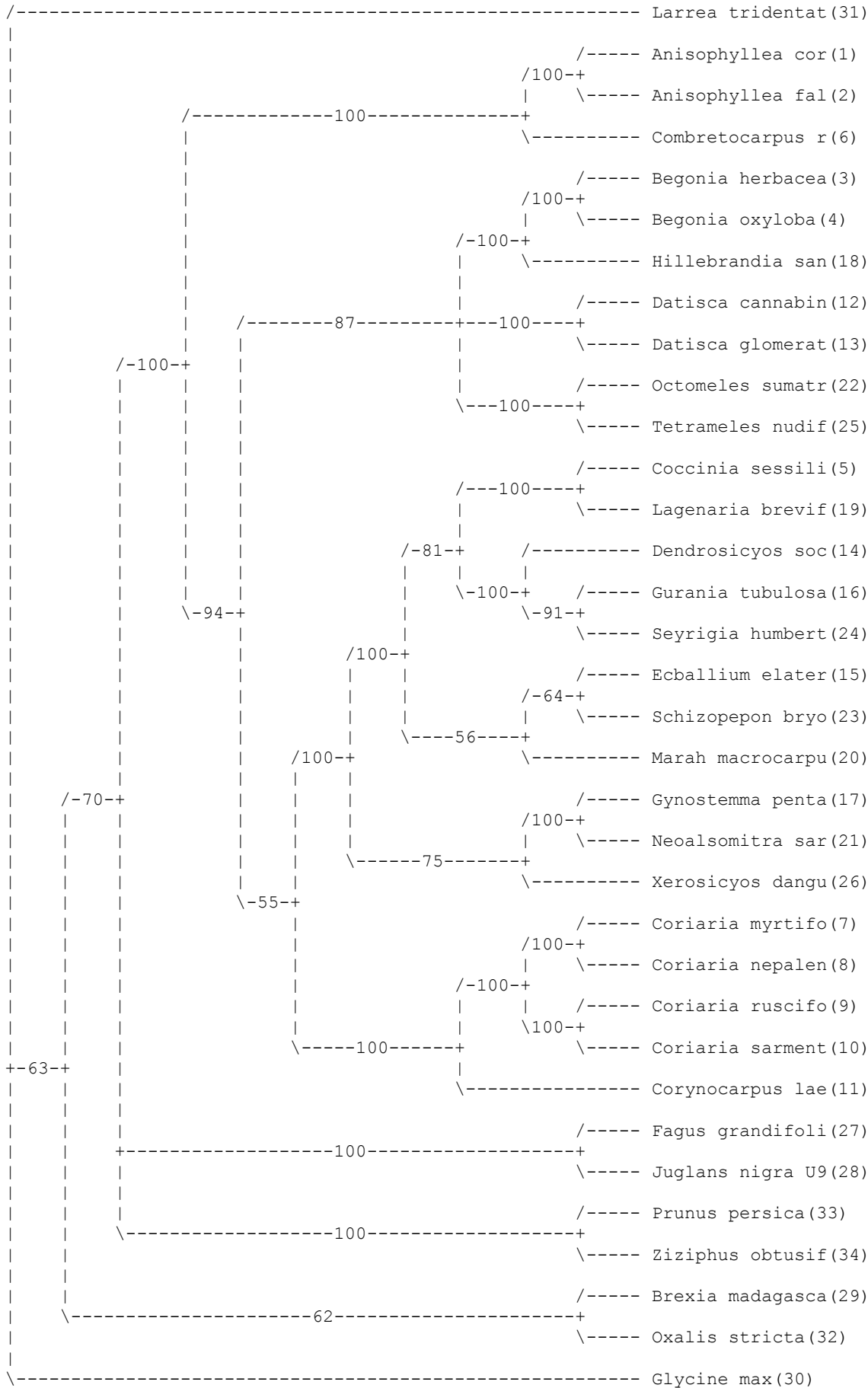
Plastid 3rd codon positions only parsimony jackknife 50% majority-rule consensus tree



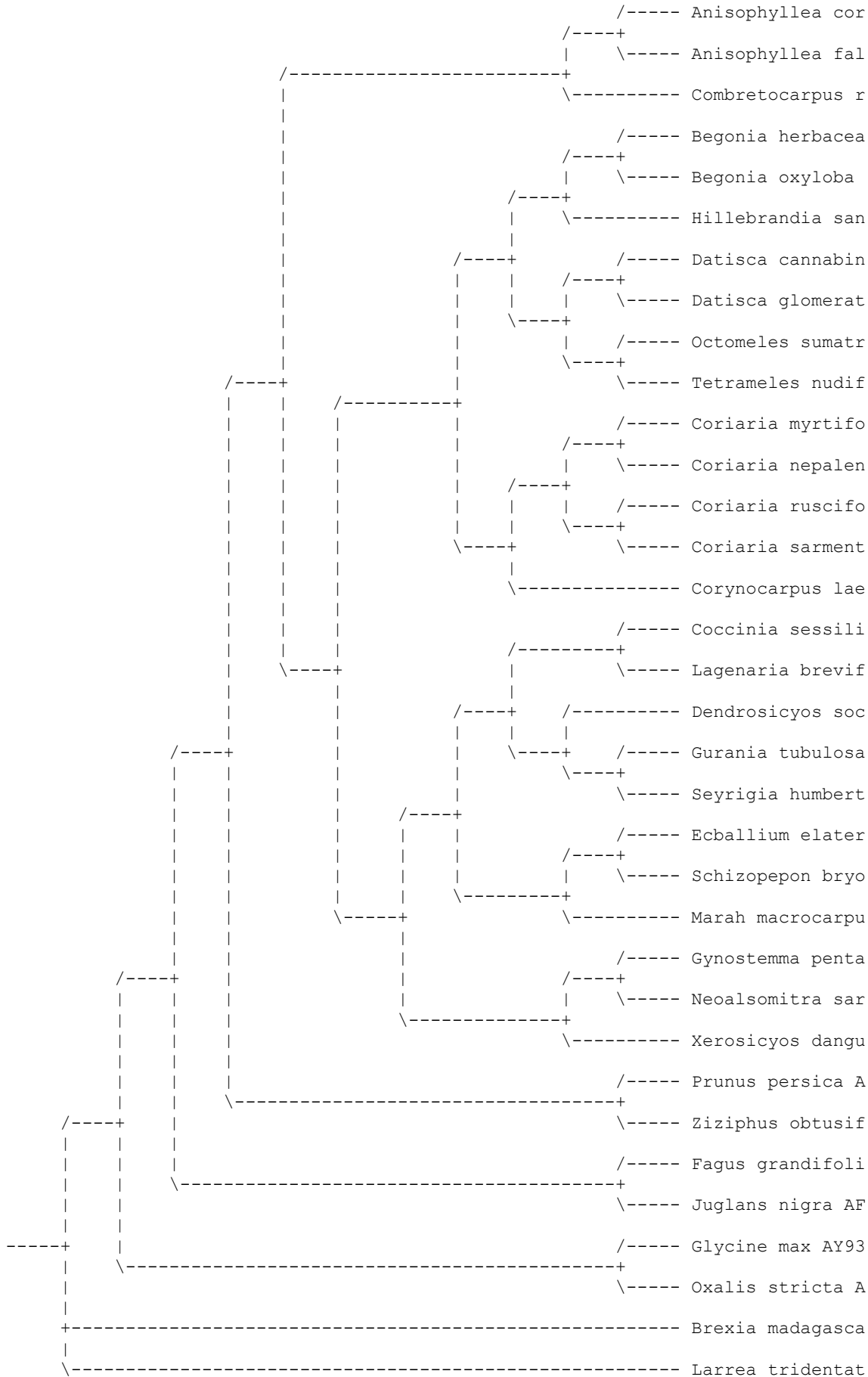
Exons DNA parsimony strict consensus of 1 tree:



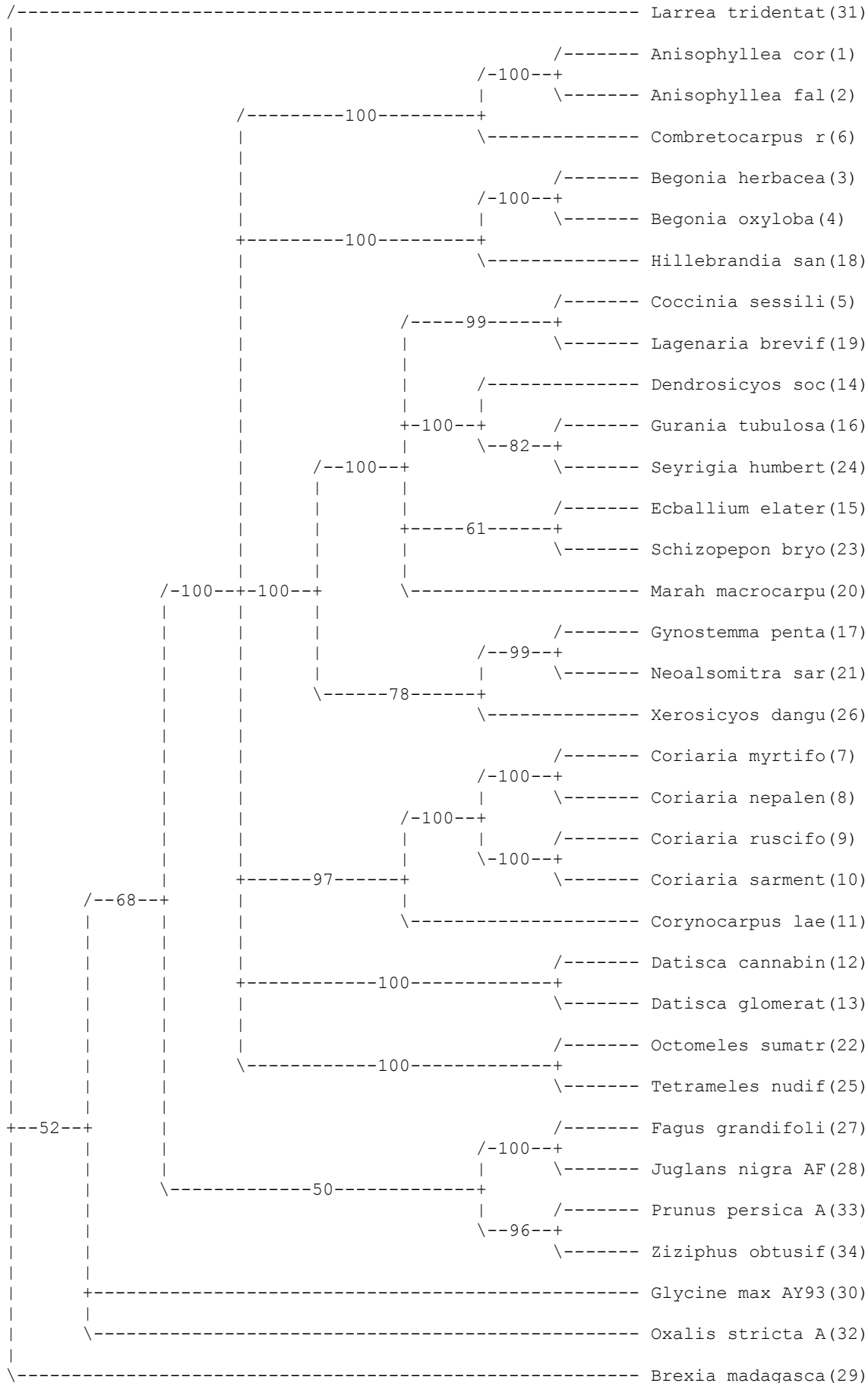
Exons DNA parsimony jackknife 50% majority-rule consensus tree



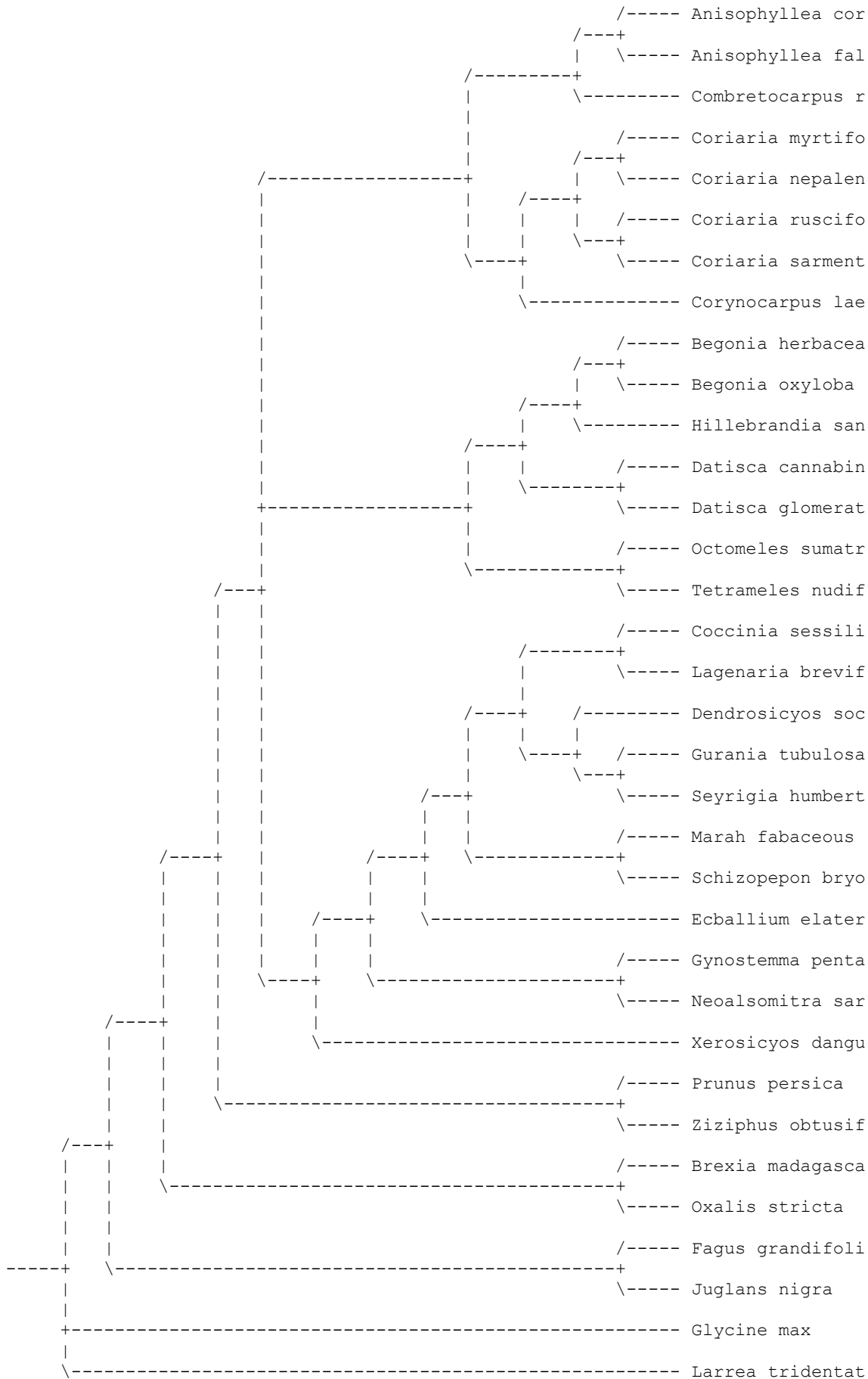
All amino acids only parsimony strict consensus of 1 tree:



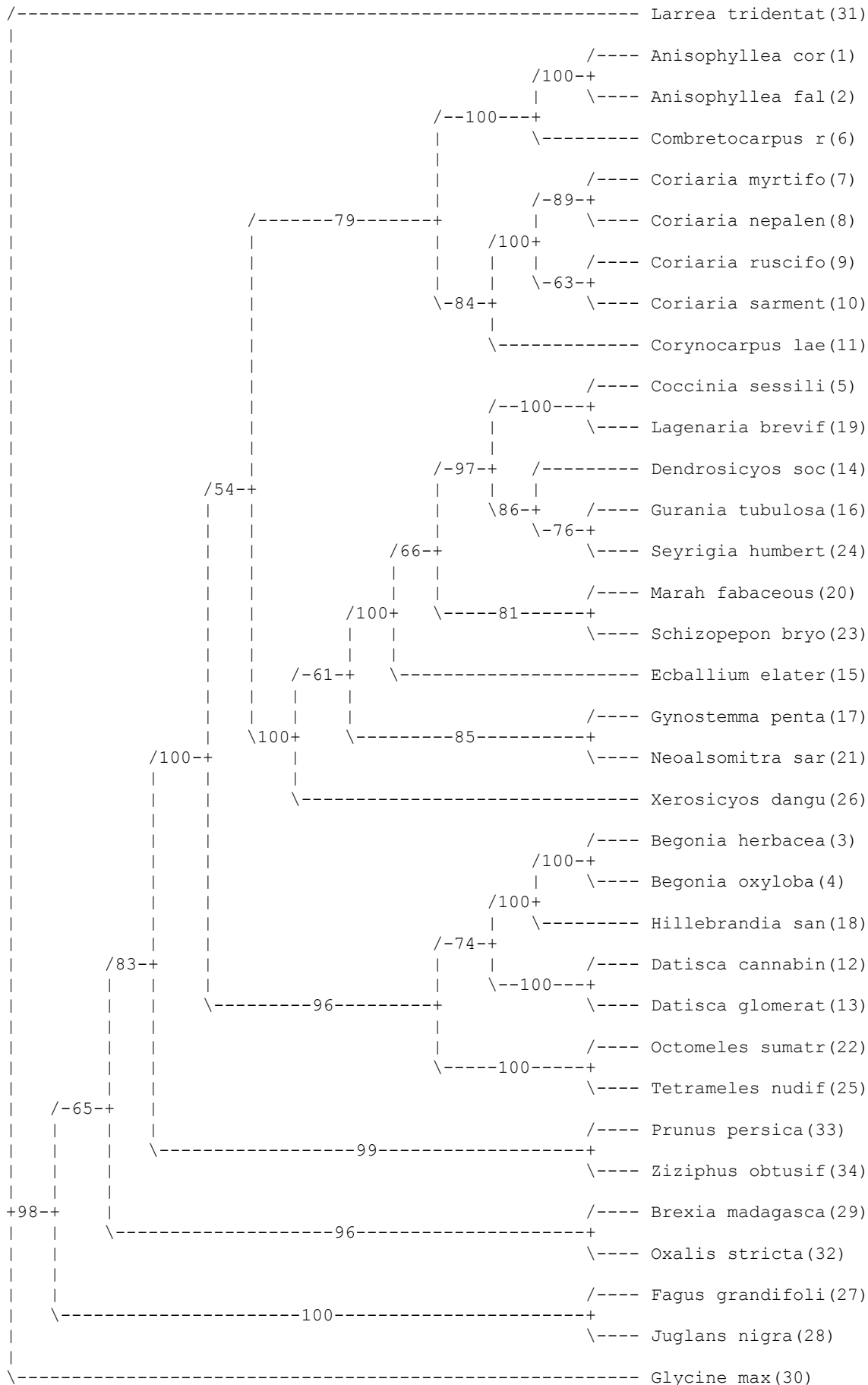
All amino acids only parsimony jackknife 50% majority-rule consensus tree



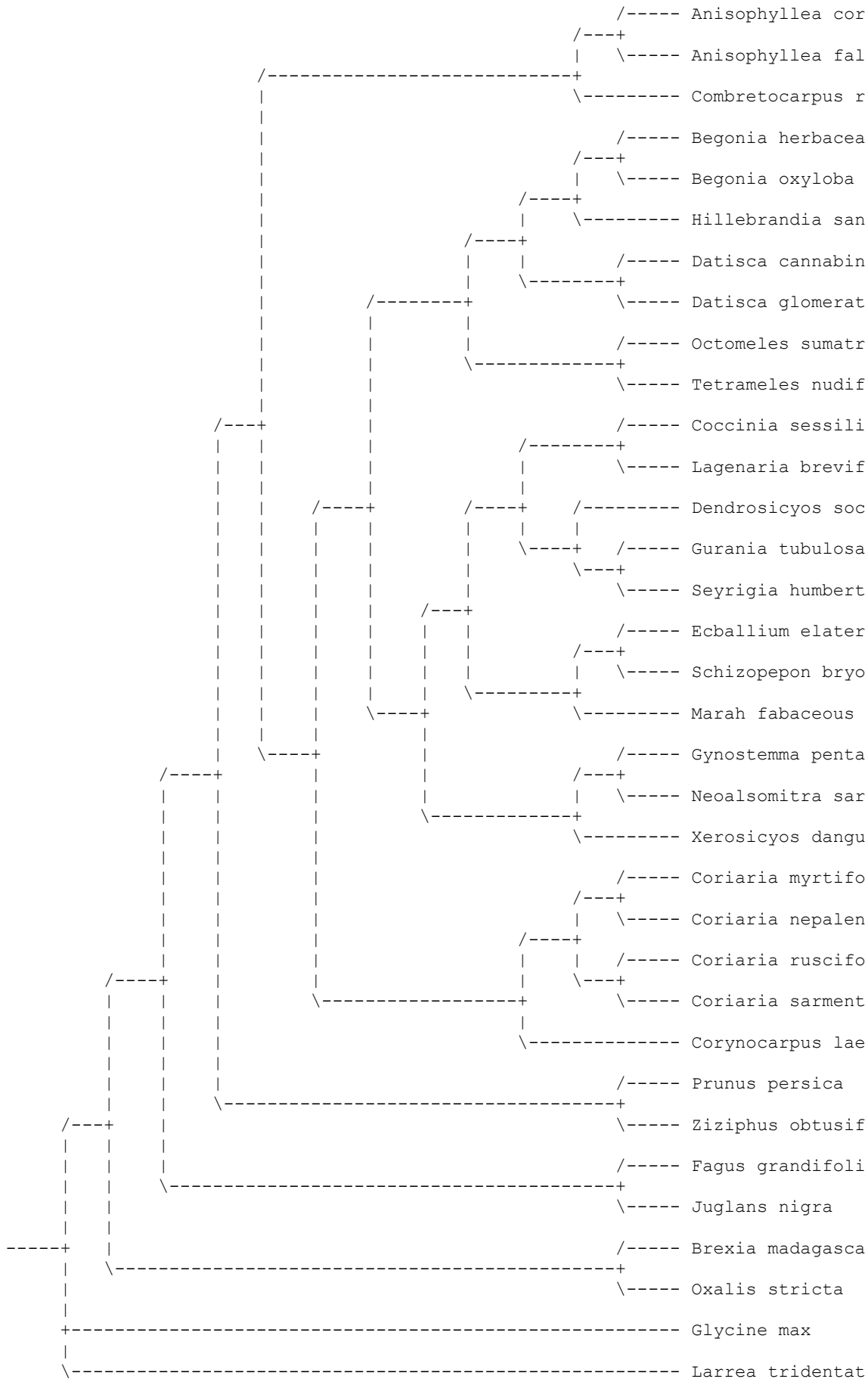
Plastid noncoding DNA parsimony strict consensus of 2 trees:



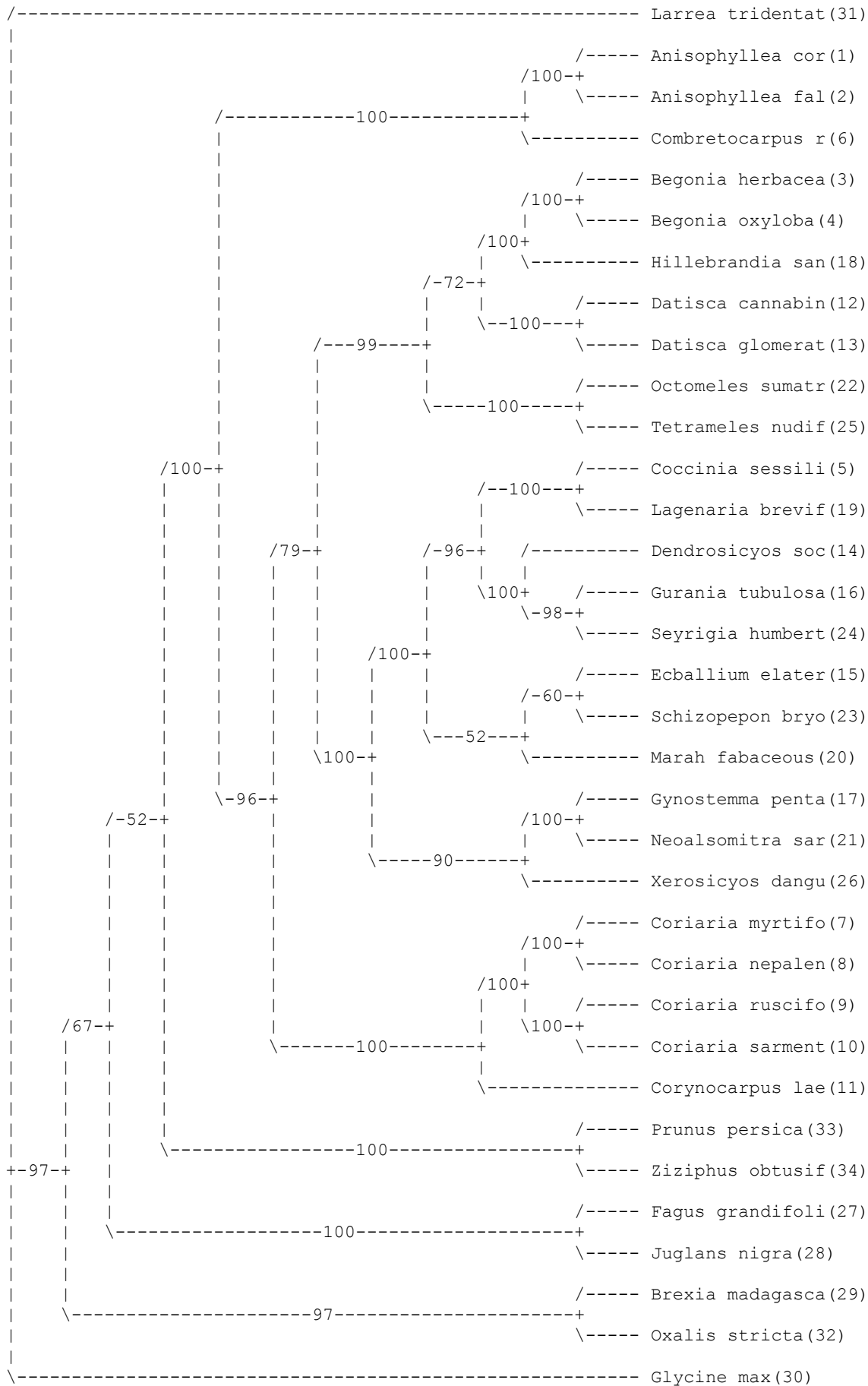
Plastid noncoding DNA parsimony jackknife 50% majority-rule consensus tree



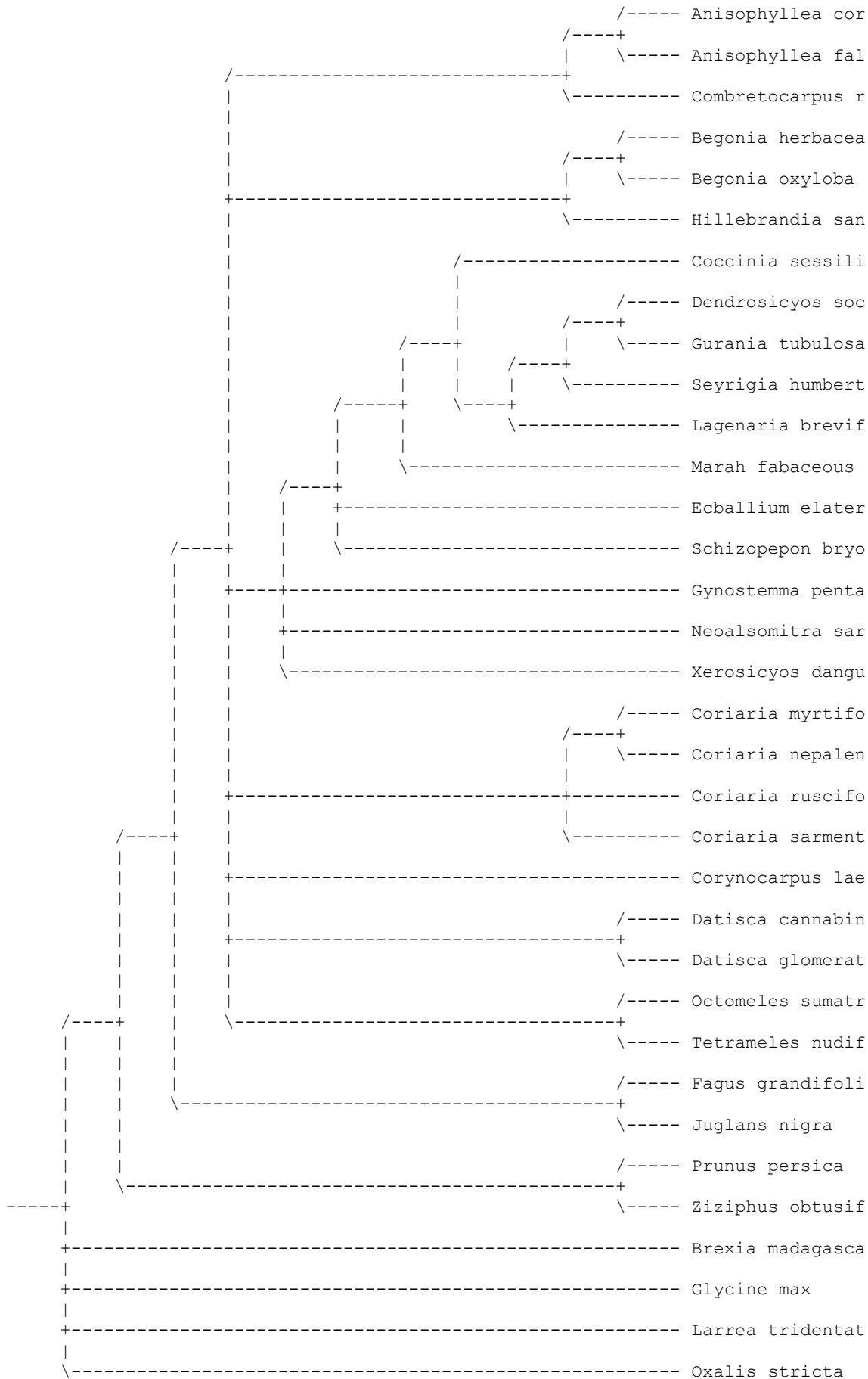
Plastid DNA parsimony strict consensus of 1 tree:



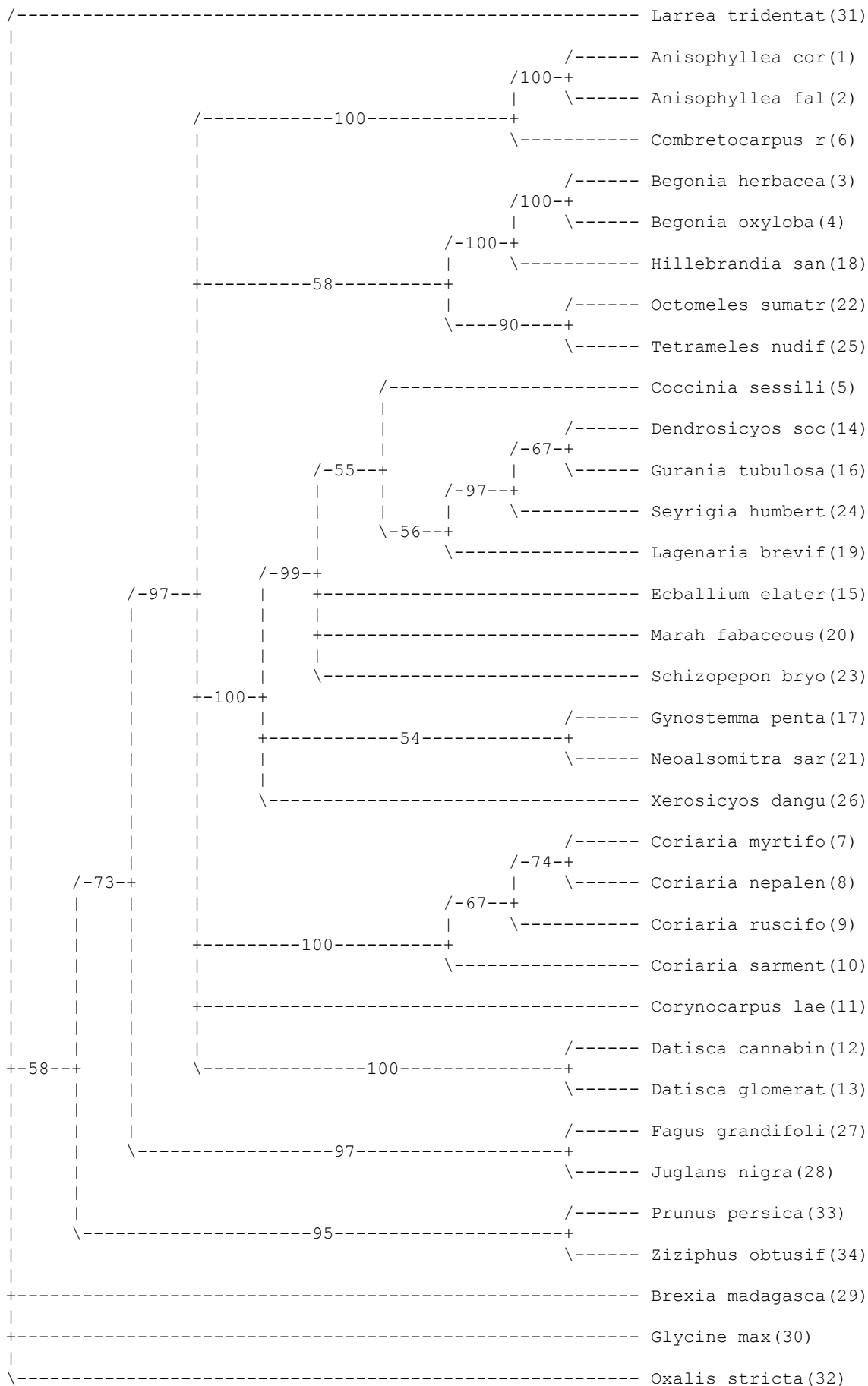
Plastid DNA parsimony jackknife 50% majority-rule consensus tree



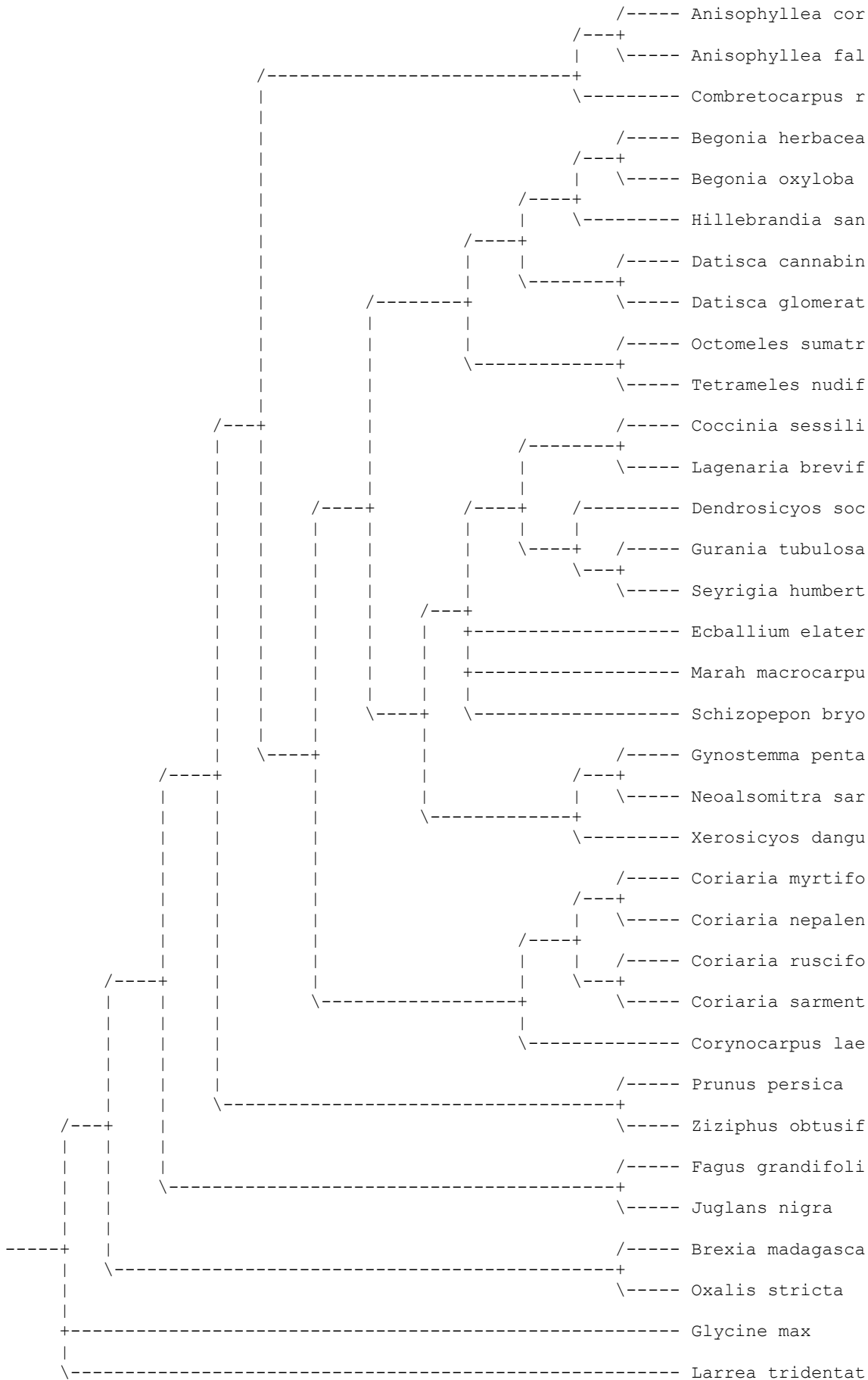
Indel characters only parsimony strict consensus of 370 trees:



Indel characters only parsimony jackknife 50% majority-rule consensus tree

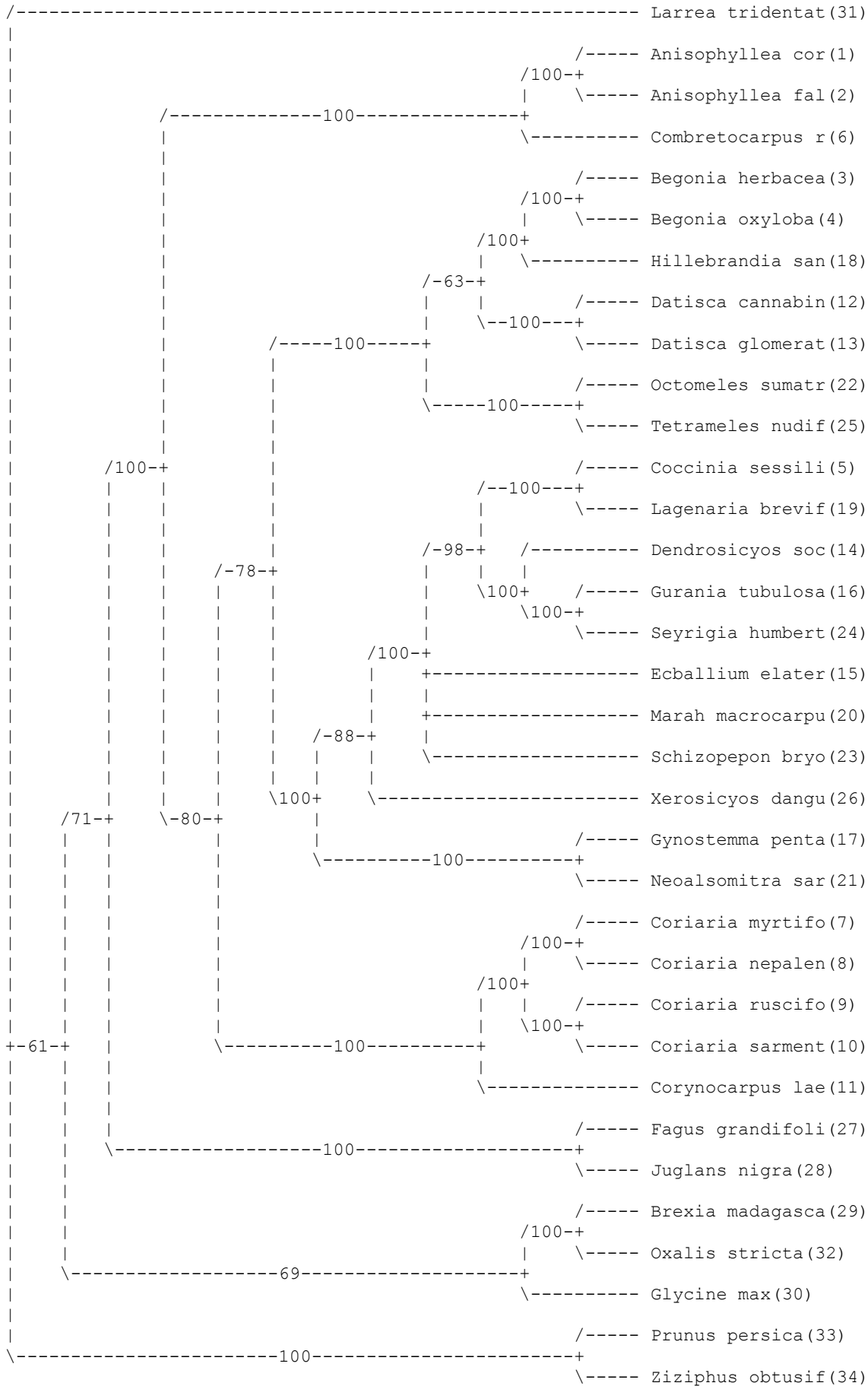


All nucleotides only parsimony strict consensus of 4 trees:

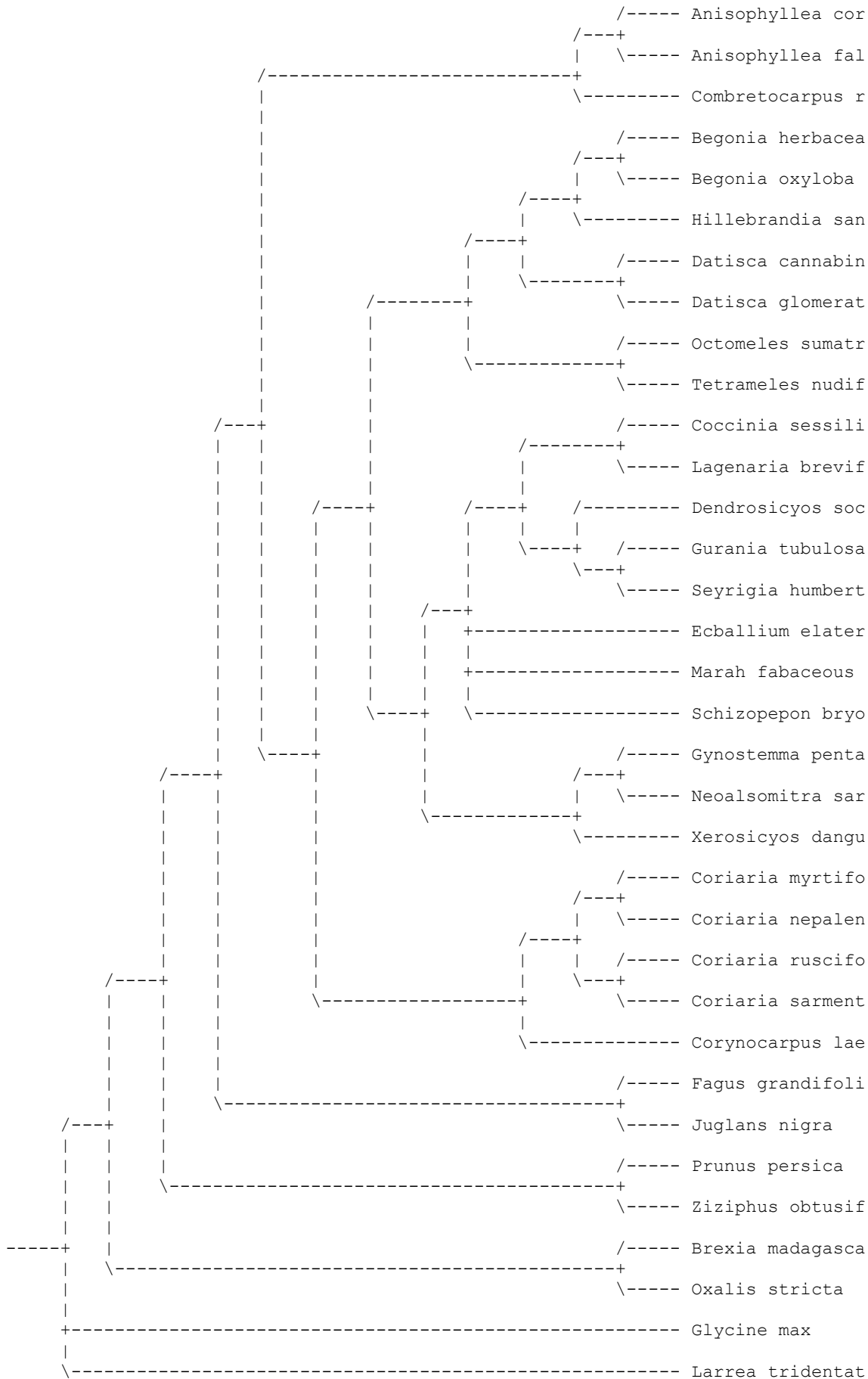


All nucleotides only parsimony jackknife 50% majority-rule consensus tree

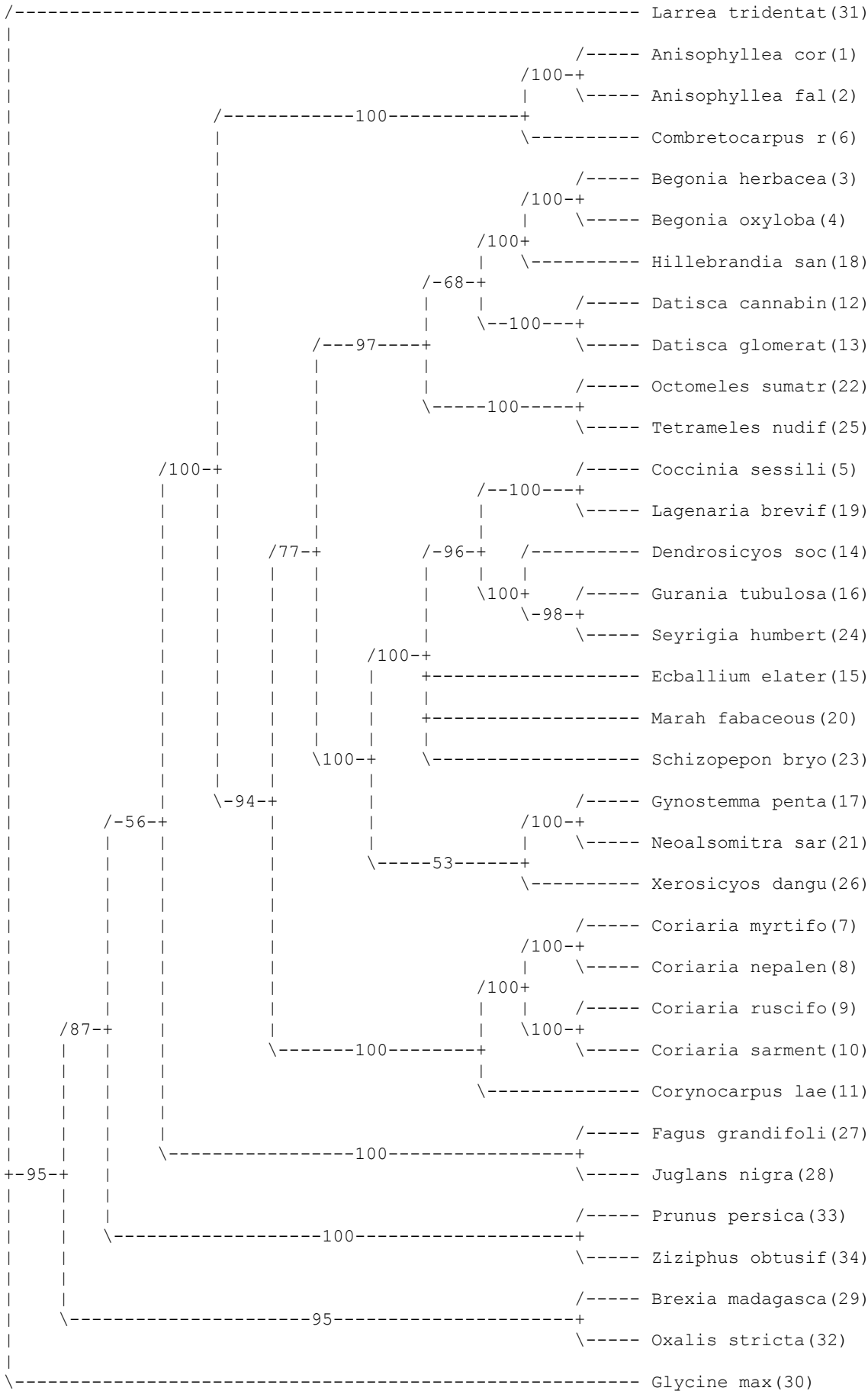




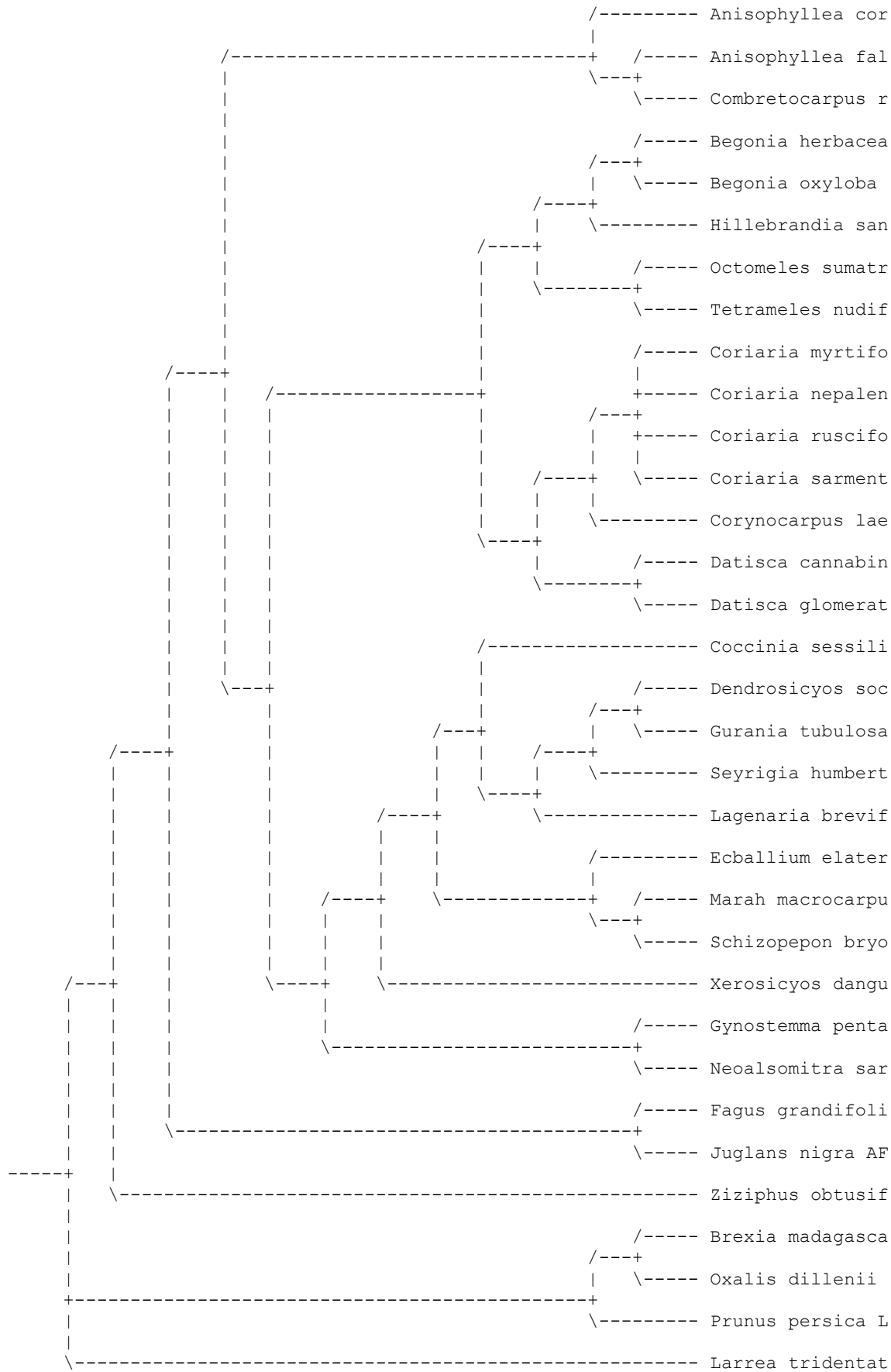
Simultaneous parsimony analysis strict consensus of 6 trees:

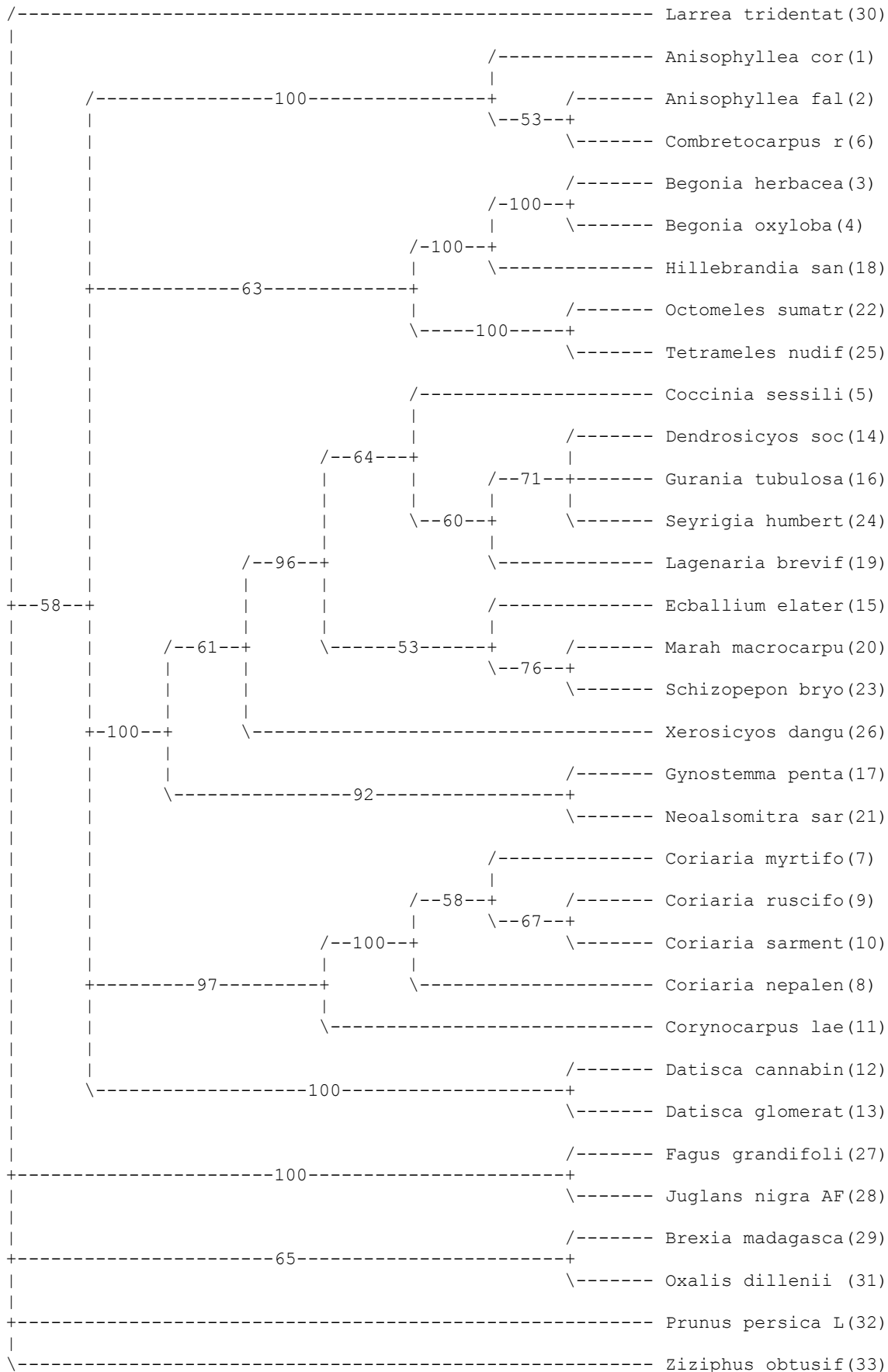


Simultaneous parsimony analysis jackknife 50% majority-rule consensus tree

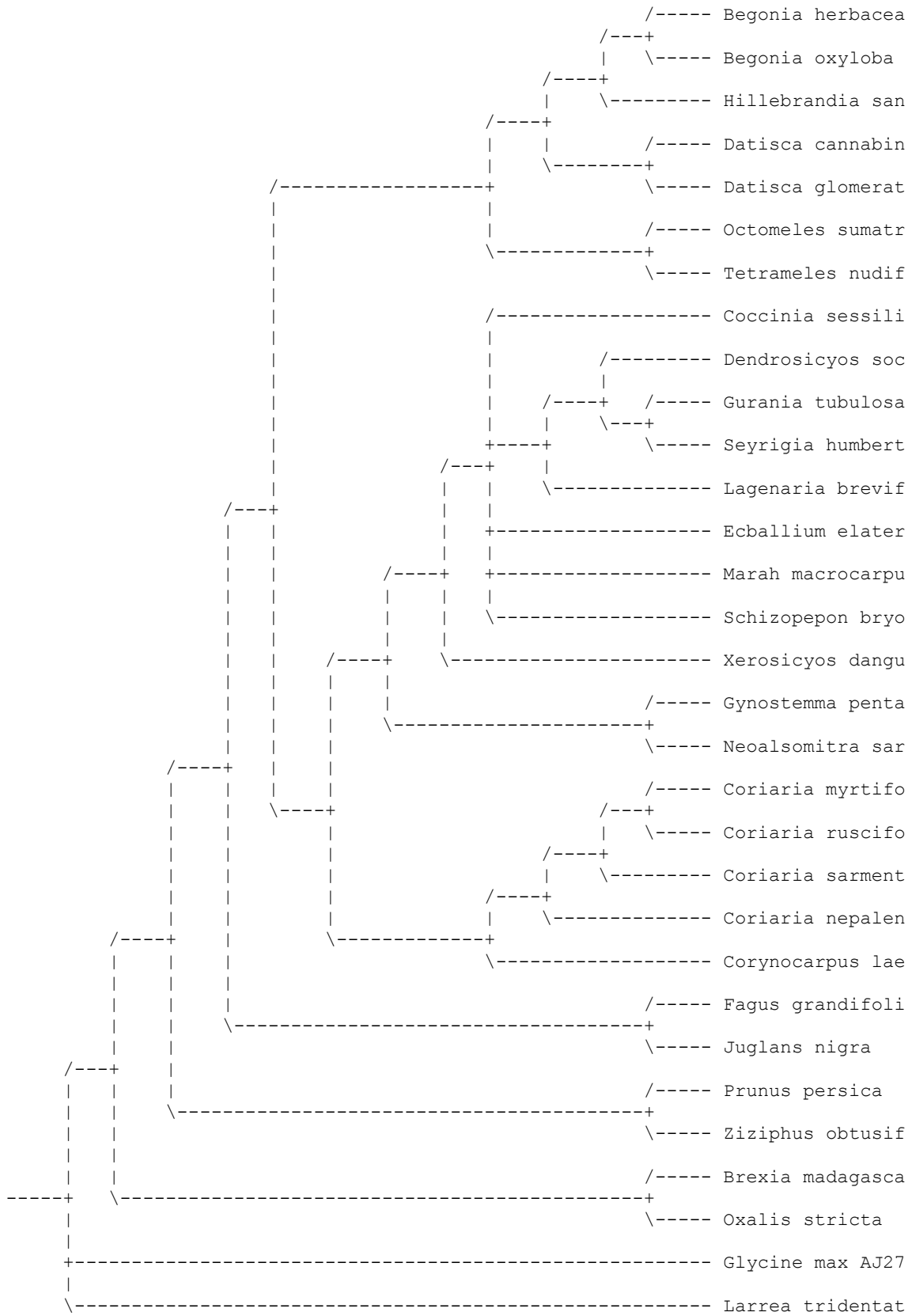


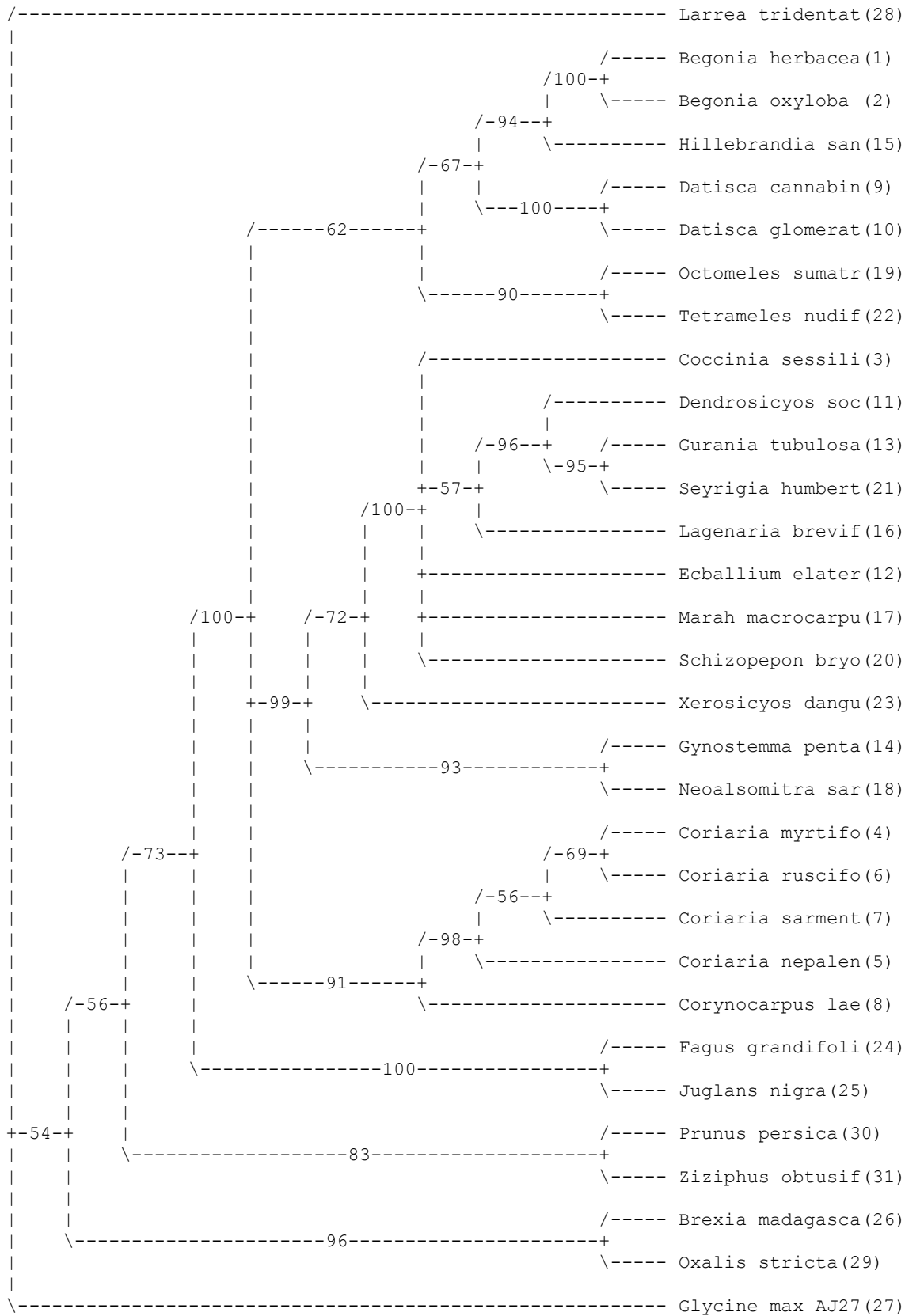
Entire rDNA minus Glycine (Fabales) parsimony strict consensus of 3 trees:



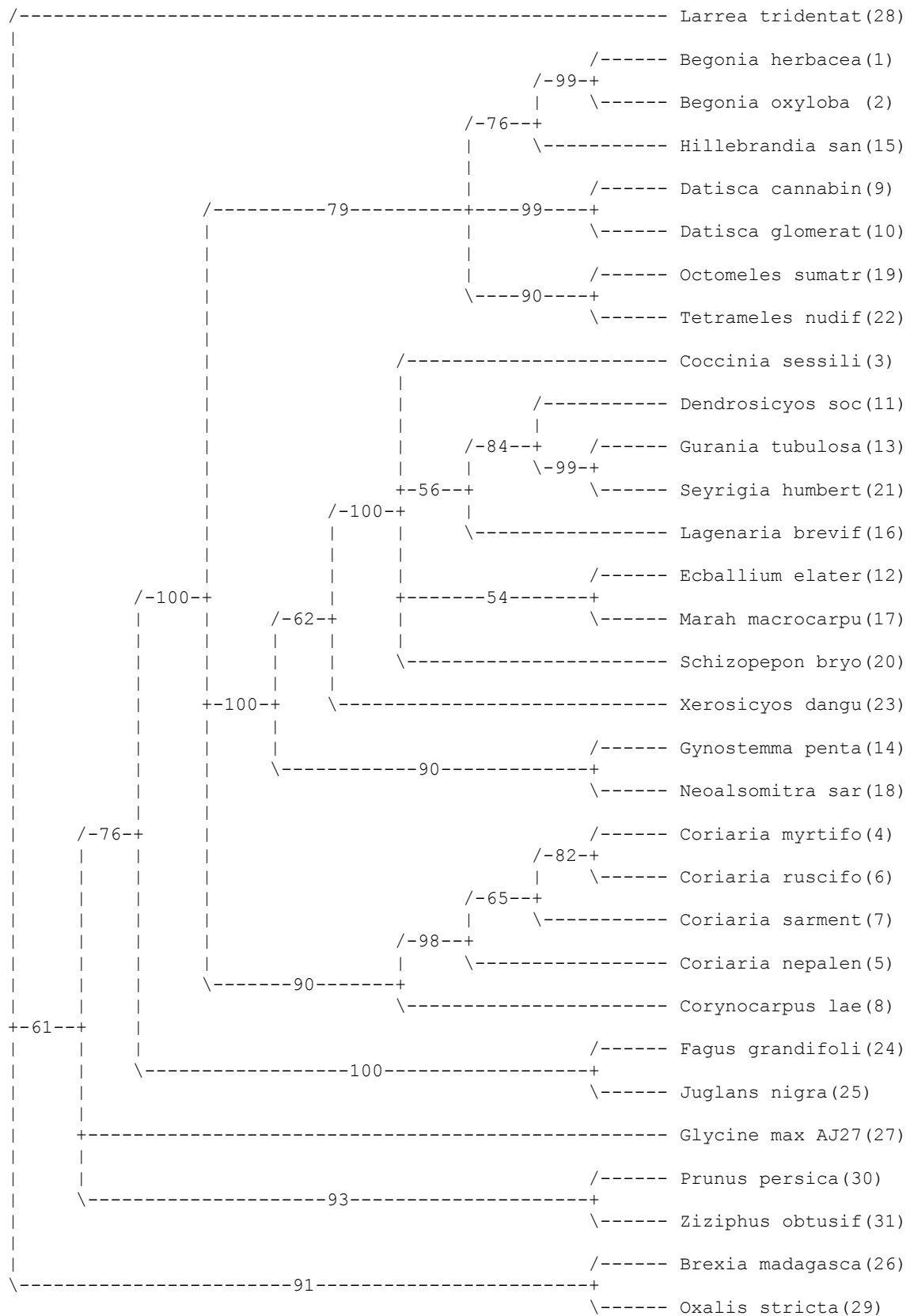


nad1 DNA minus the Anisophyllaceae for LBA test parsimony strict consensus of 5 trees:

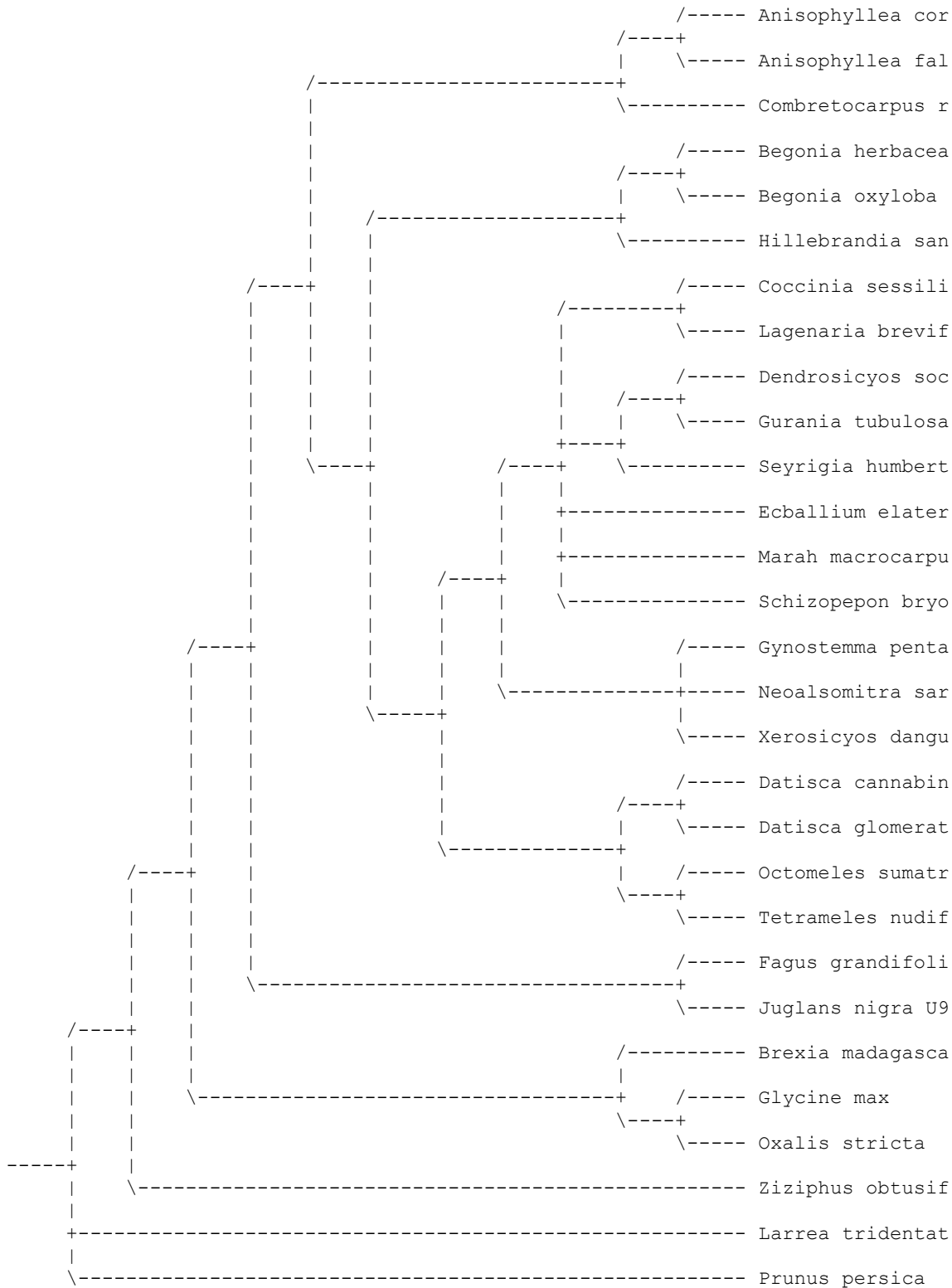




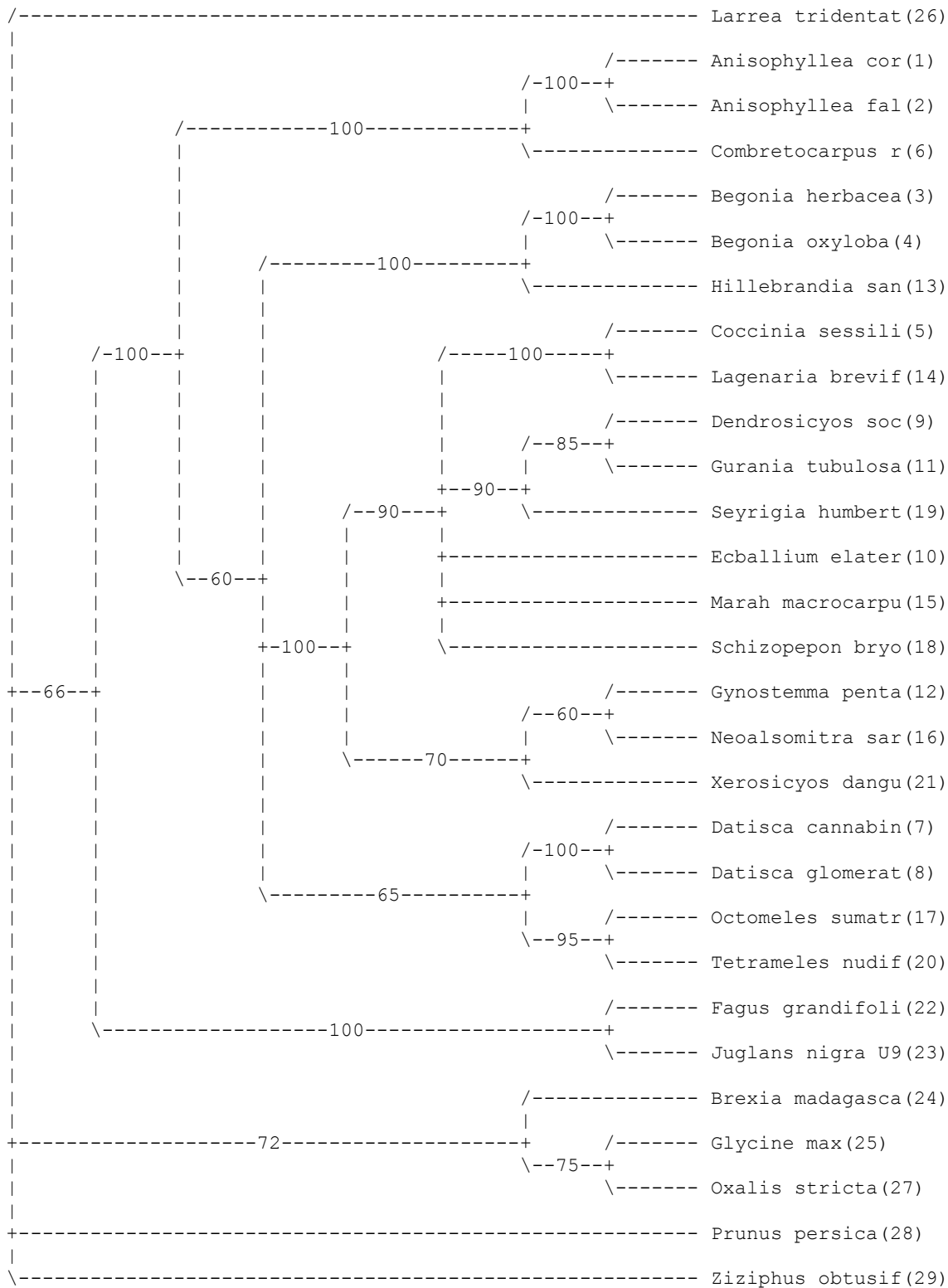
nad1 DNA minus the Anisophyllaceae for LBA test LIKELIHOOD 50% Majority-rule consensus:



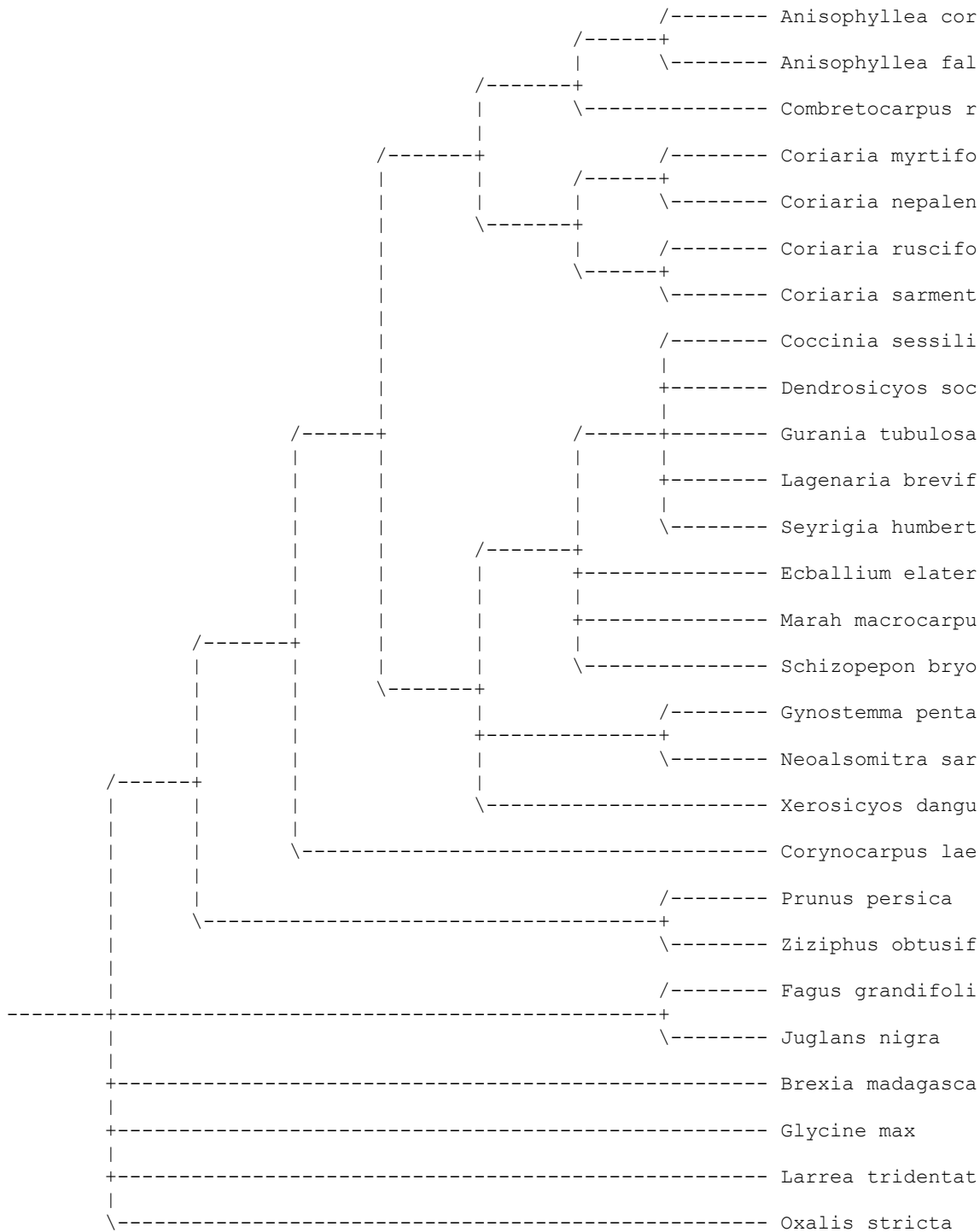
ndhF DNA minus Coriariaceae + Corynocarpaceae for LBA test parsimony strict consensus of 29 trees:



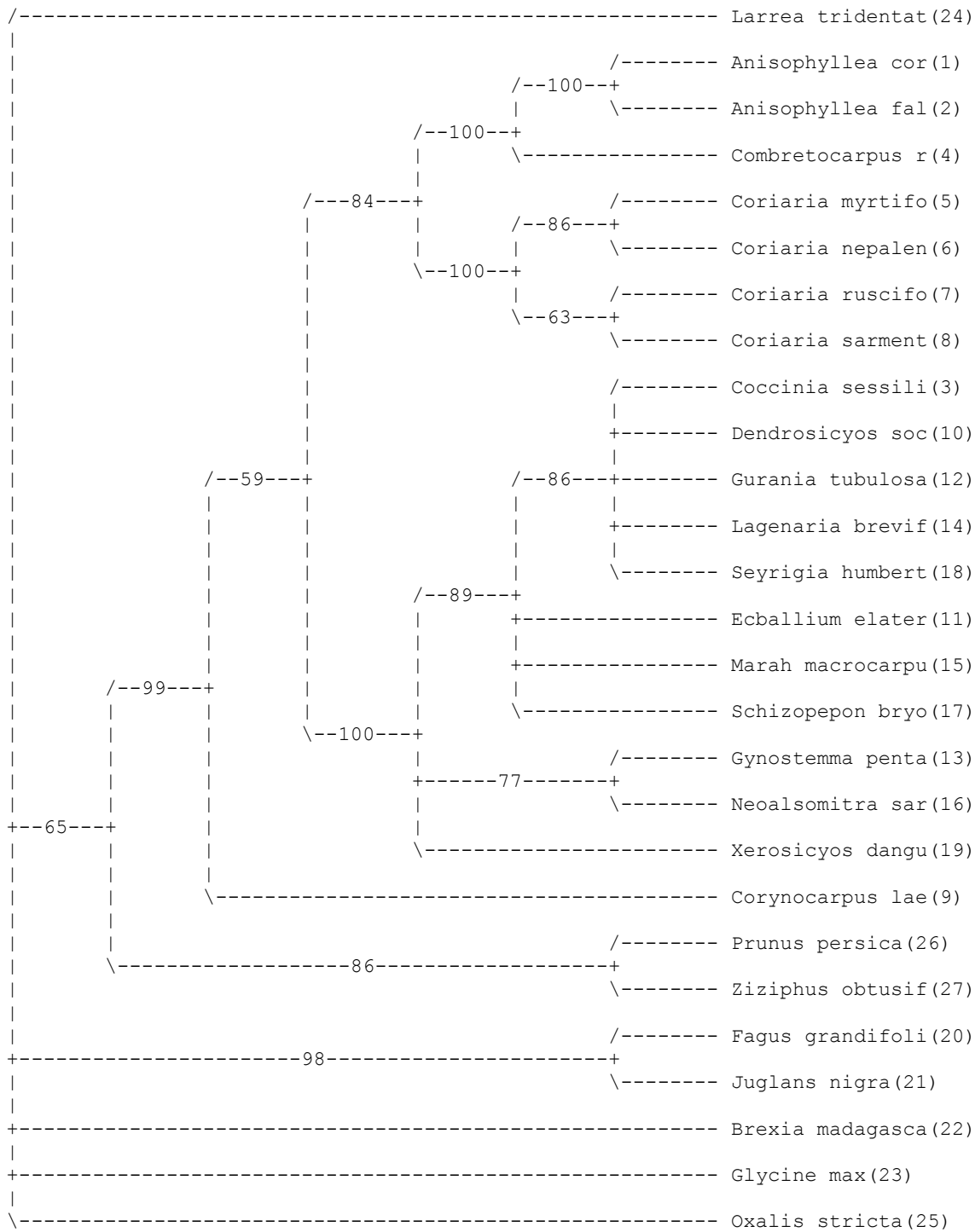
ndhF DNA minus Coriariaceae + Corynocarpaceae for LBA test parsimony jackknife 50% majority-rule consensus tree



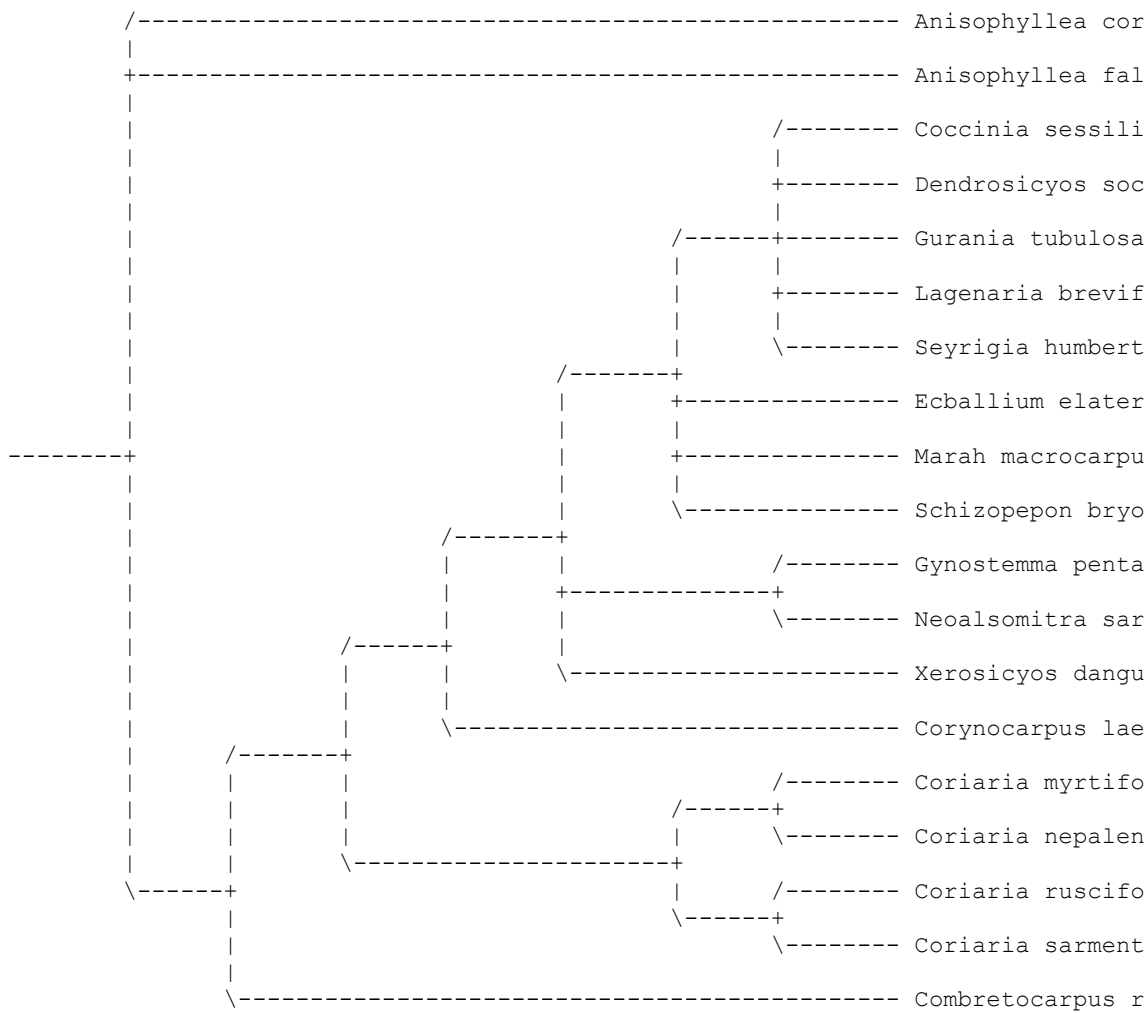
trnL intron only minus the Begoniaceae + Datisceae s.l. for LBA test parsimony strict consensus of 2352 trees:



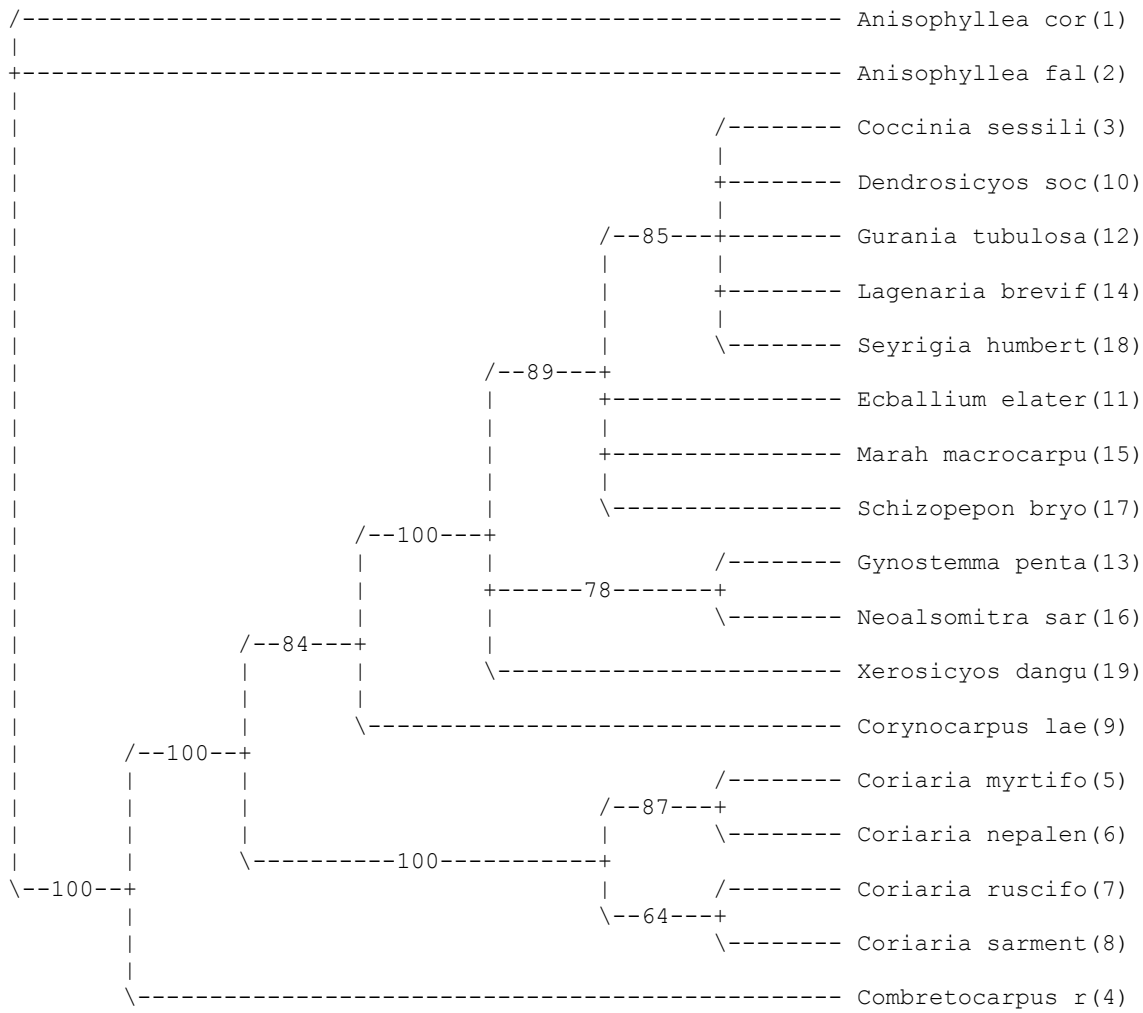
trnL intron only minus the Begoniaceae + Datisceae s.l. for LBA test parsimony jackknife 50% majority-rule consensus tree



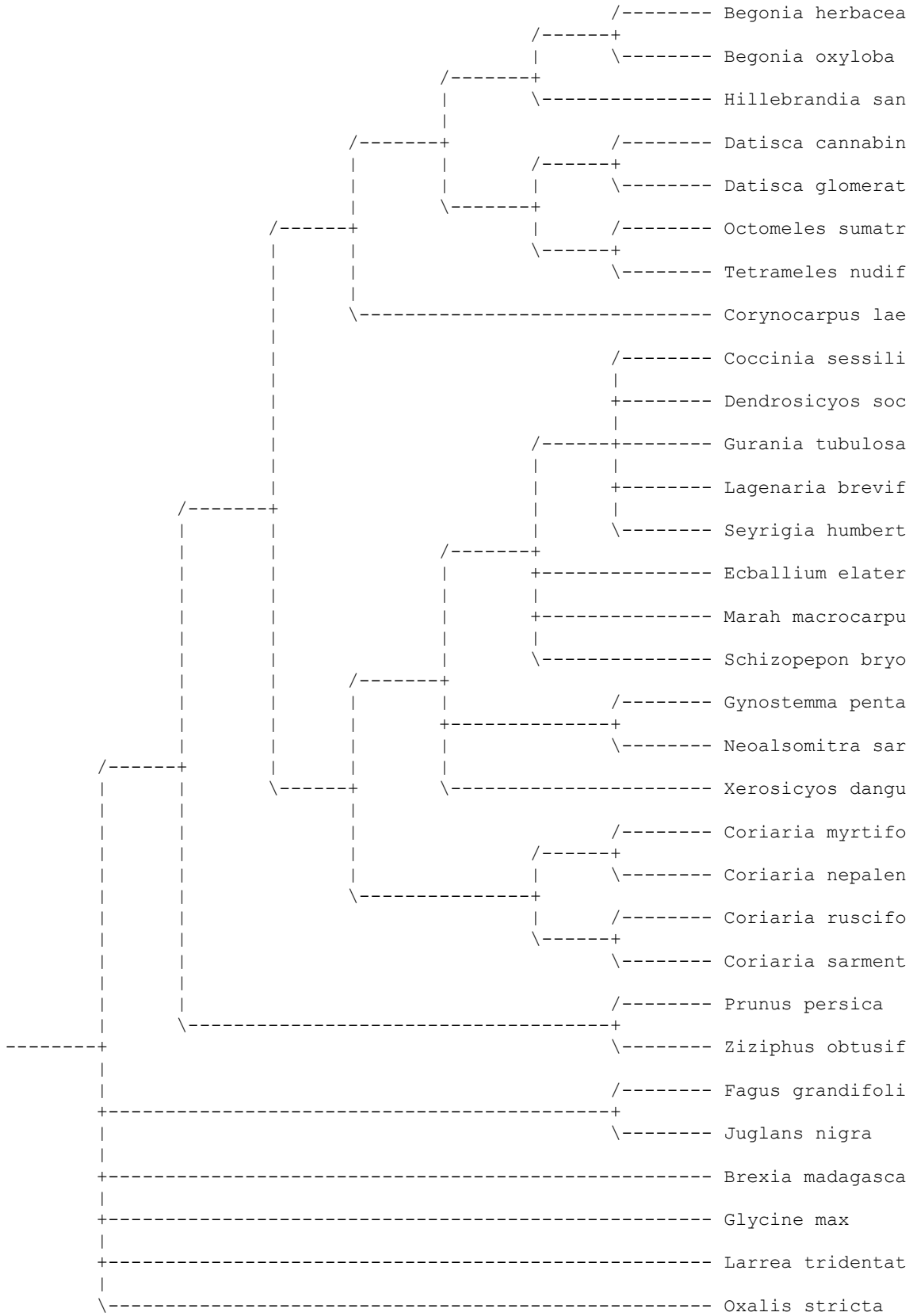
trnL intron only minus the Begoniaceae + Datisceae s.l. + outgroups for LBA test parsimony strict consensus of 780 trees:



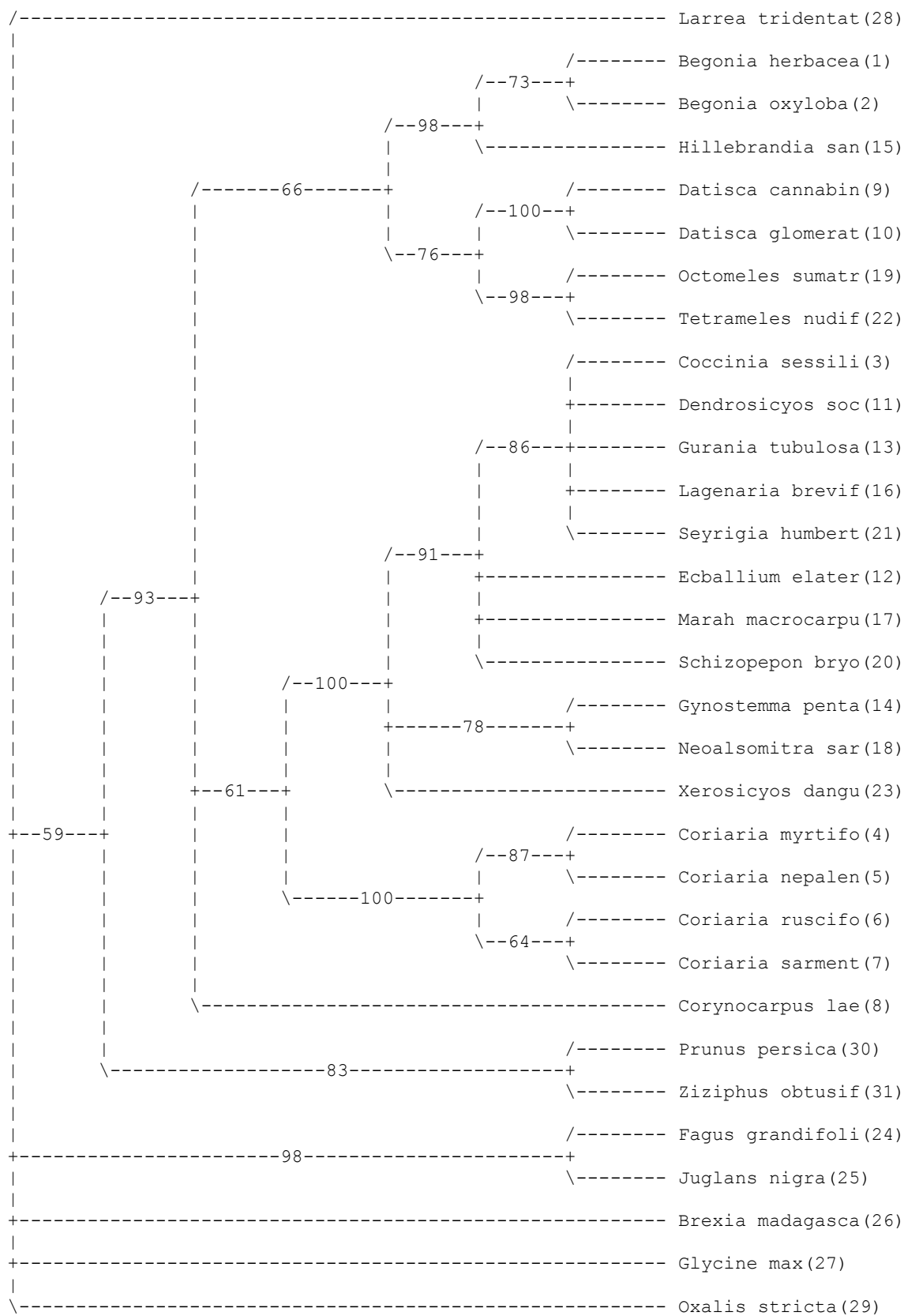
trnL intron only minus the Begoniaceae + Datisceae s.l. + outgroups for LBA test parsimony jackknife
50% majority-rule consensus tree



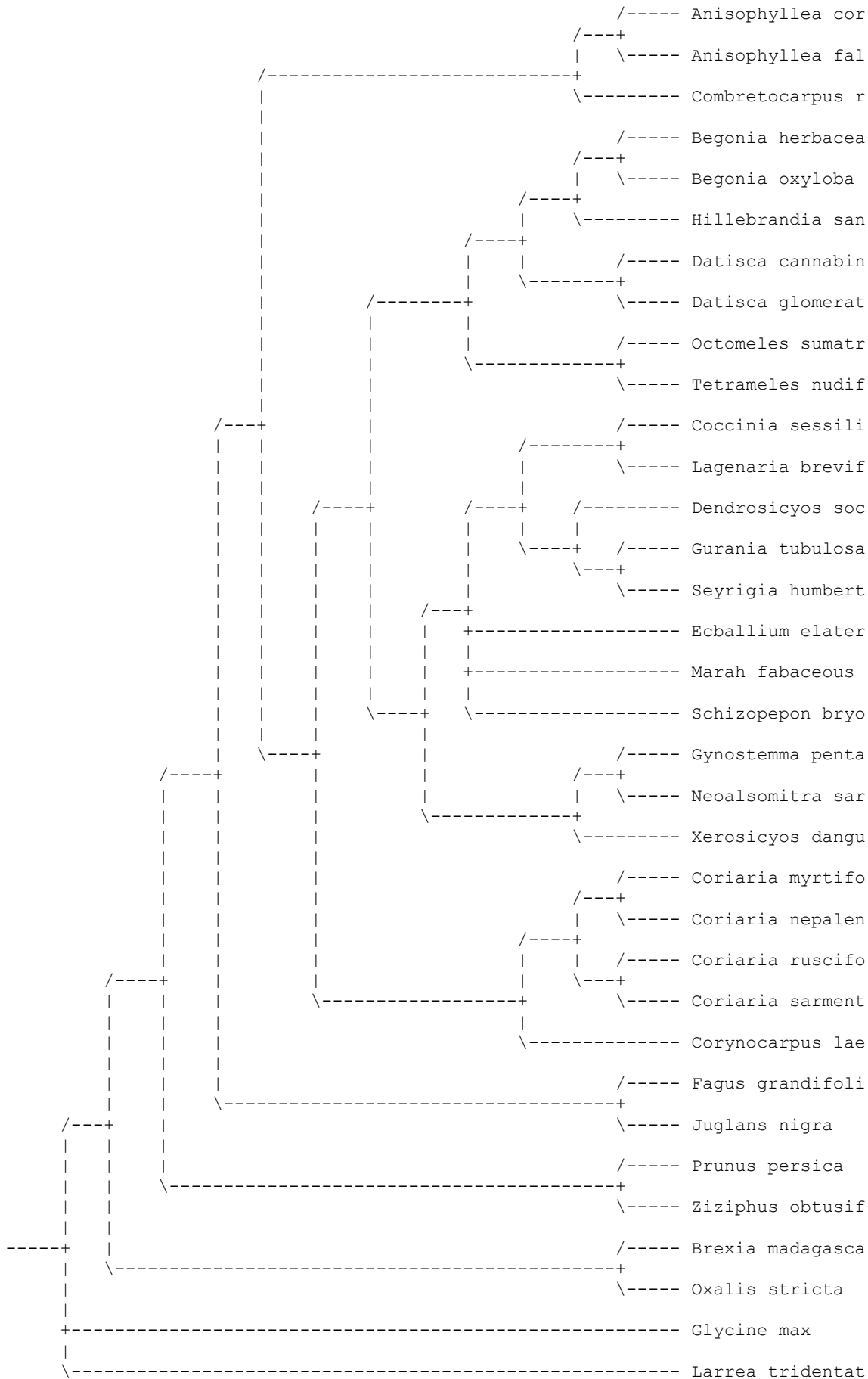
trnL intron only minus the Anisophyllaceae for LBA test parsimony strict consensus of 3900 trees:

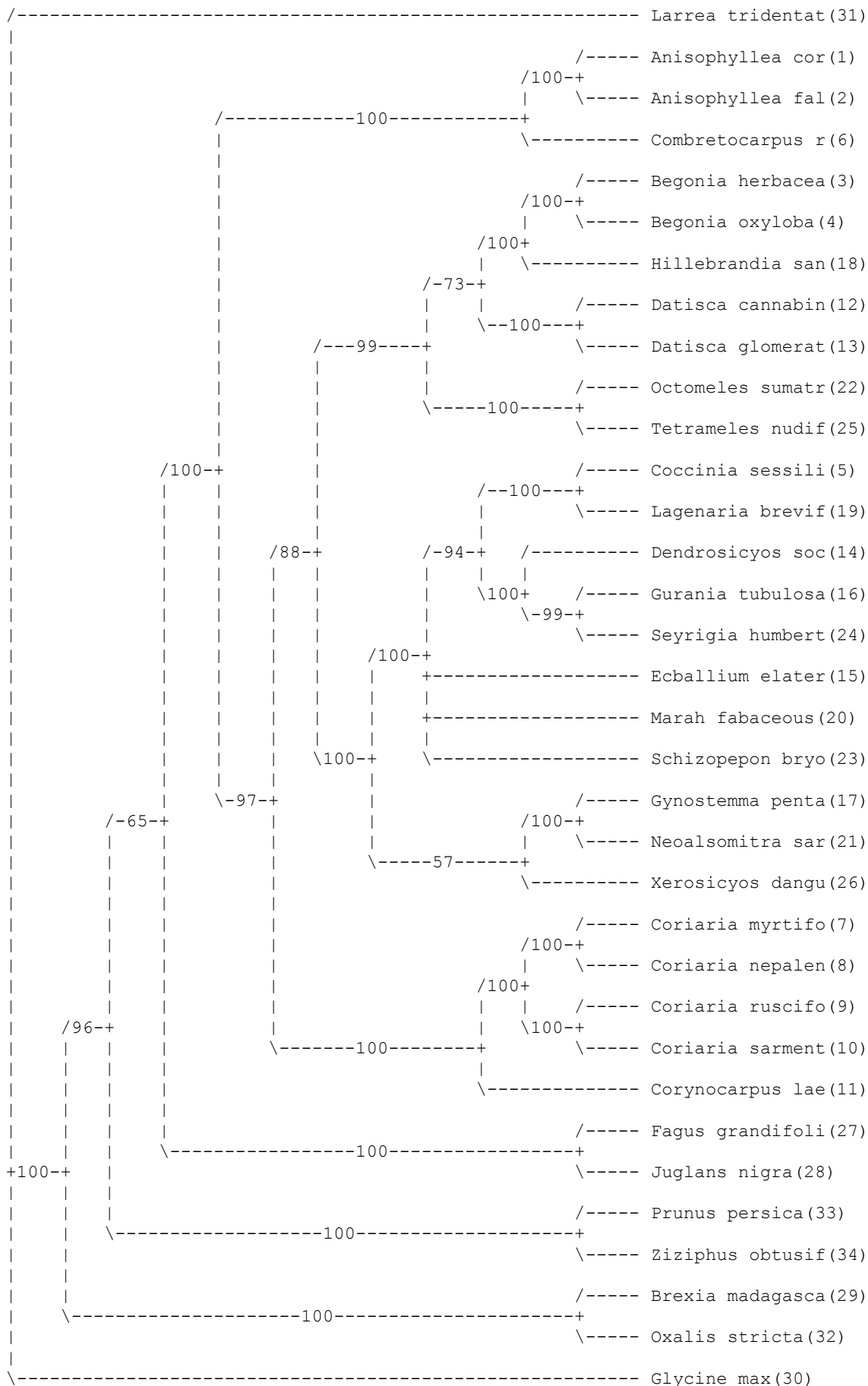


trnL intron only minus the Anisophyllaceae for LBA test parsimony jackknife 50% majority-rule consensus tree

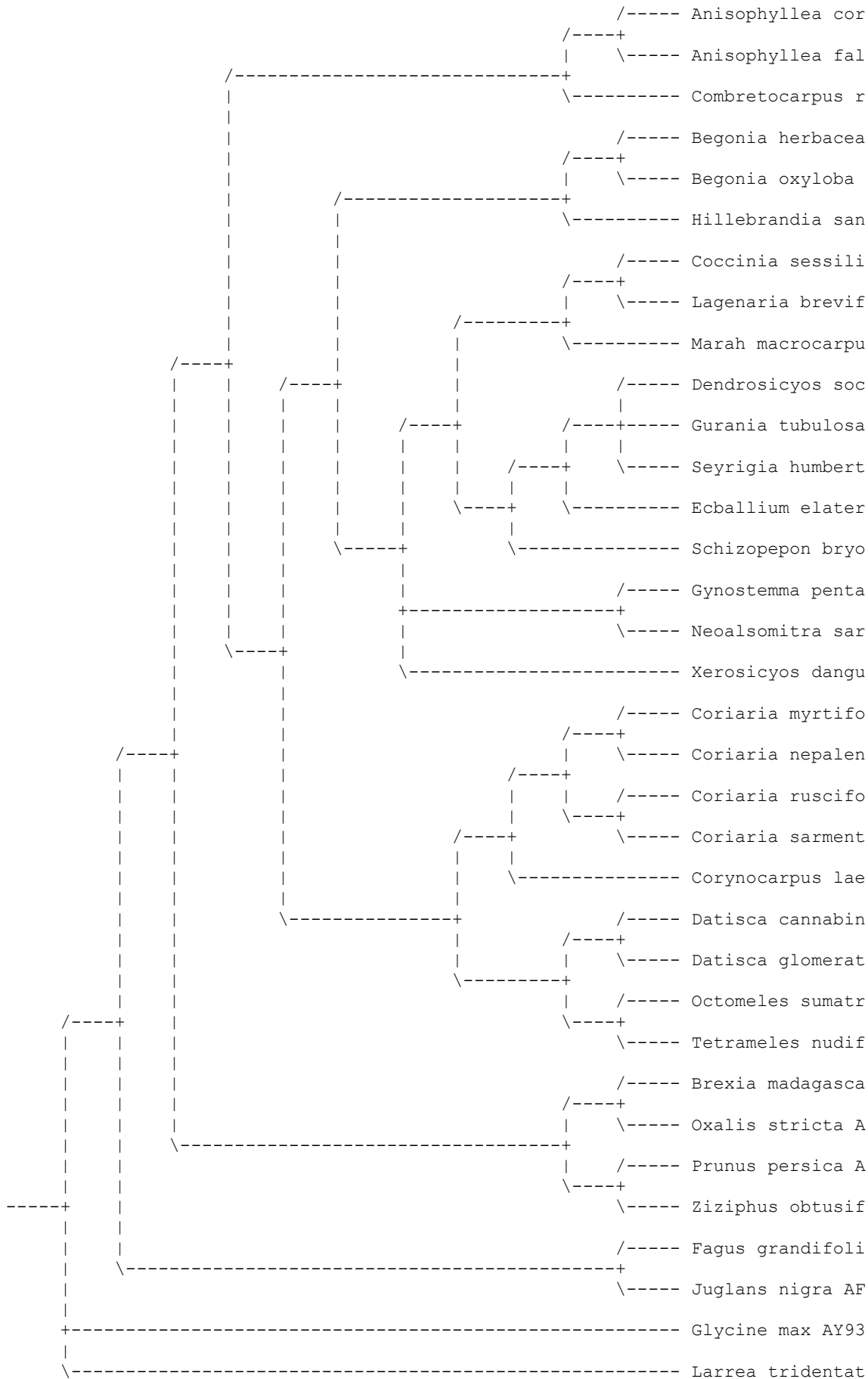


Simultaneous analysis minus putative LBA characters parsimony strict consensus of 6 trees:

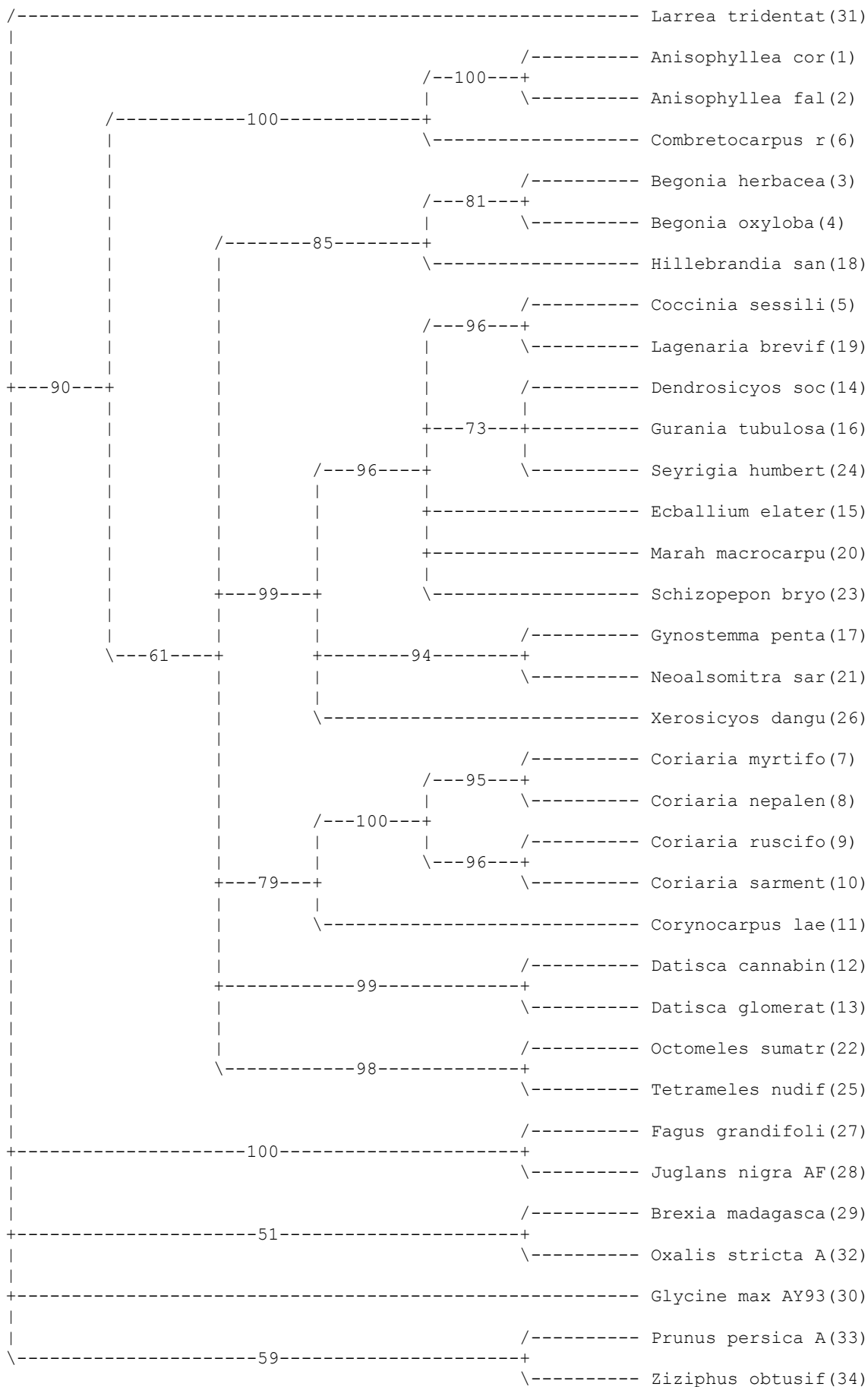




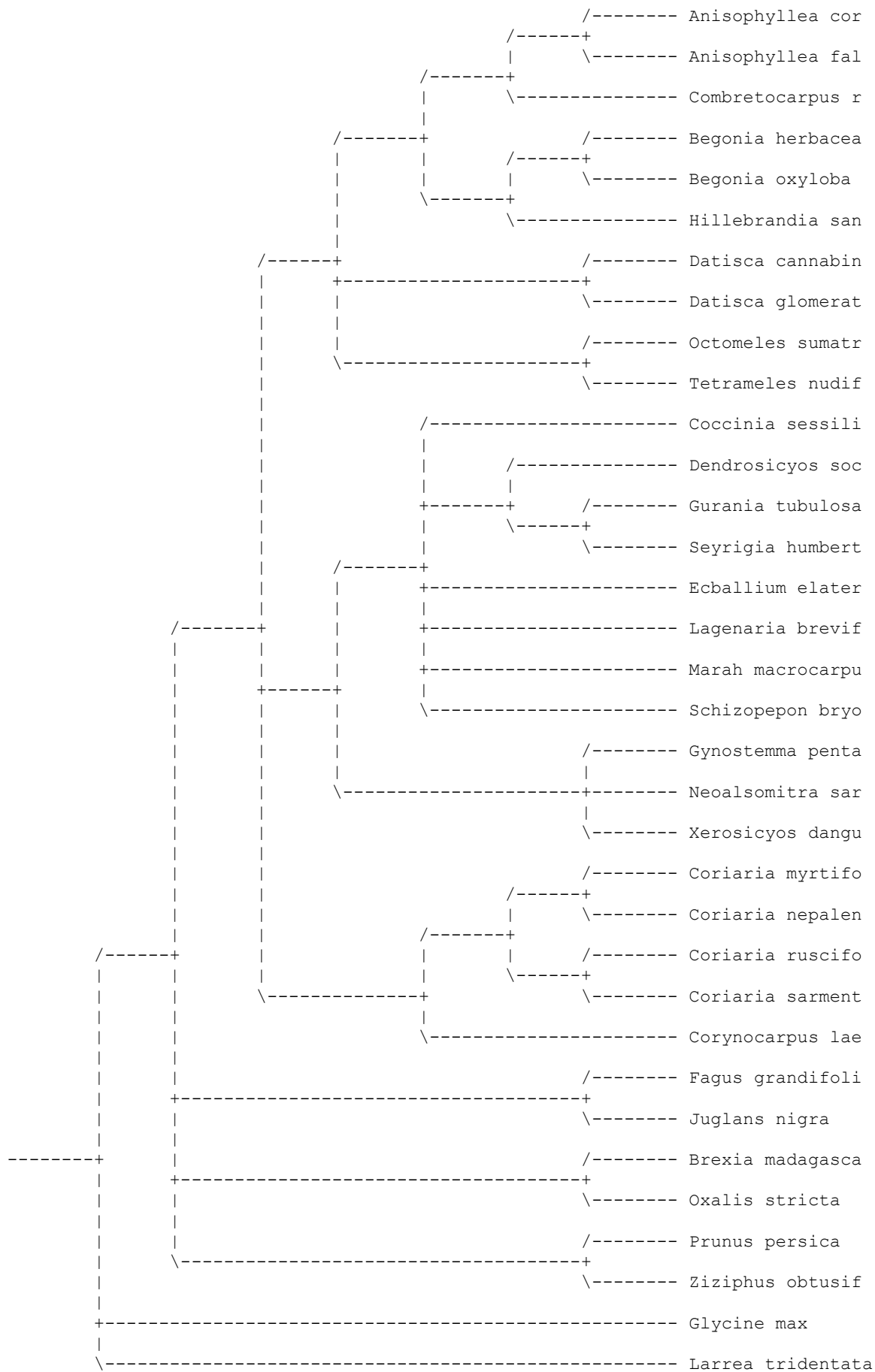
atpB 3rd codon positions only LBA test parsimony strict consensus of 4 trees:

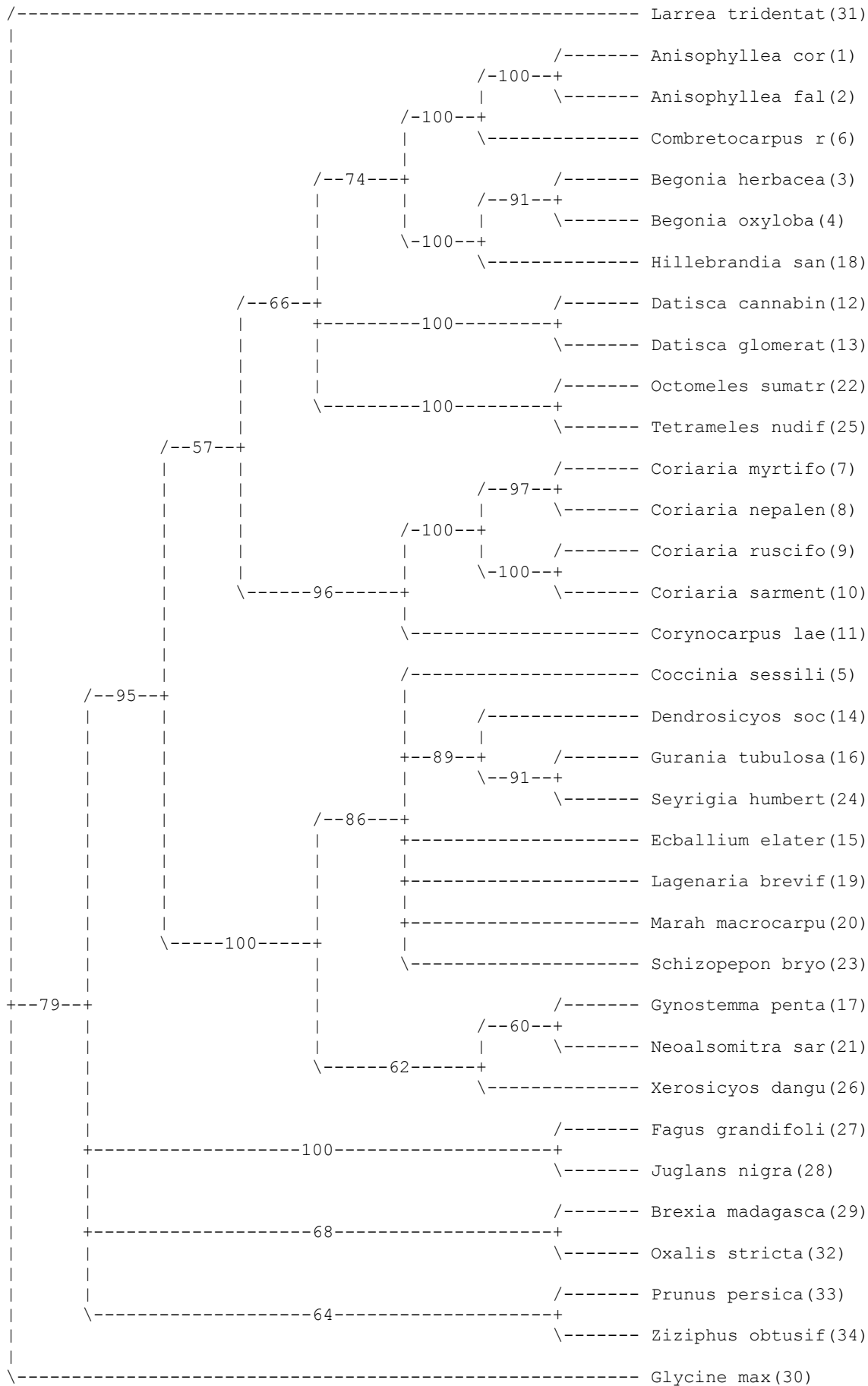


atpB 3rd codon positions only LBA test parsimony Jackknife 50% majority-rule consensus tree

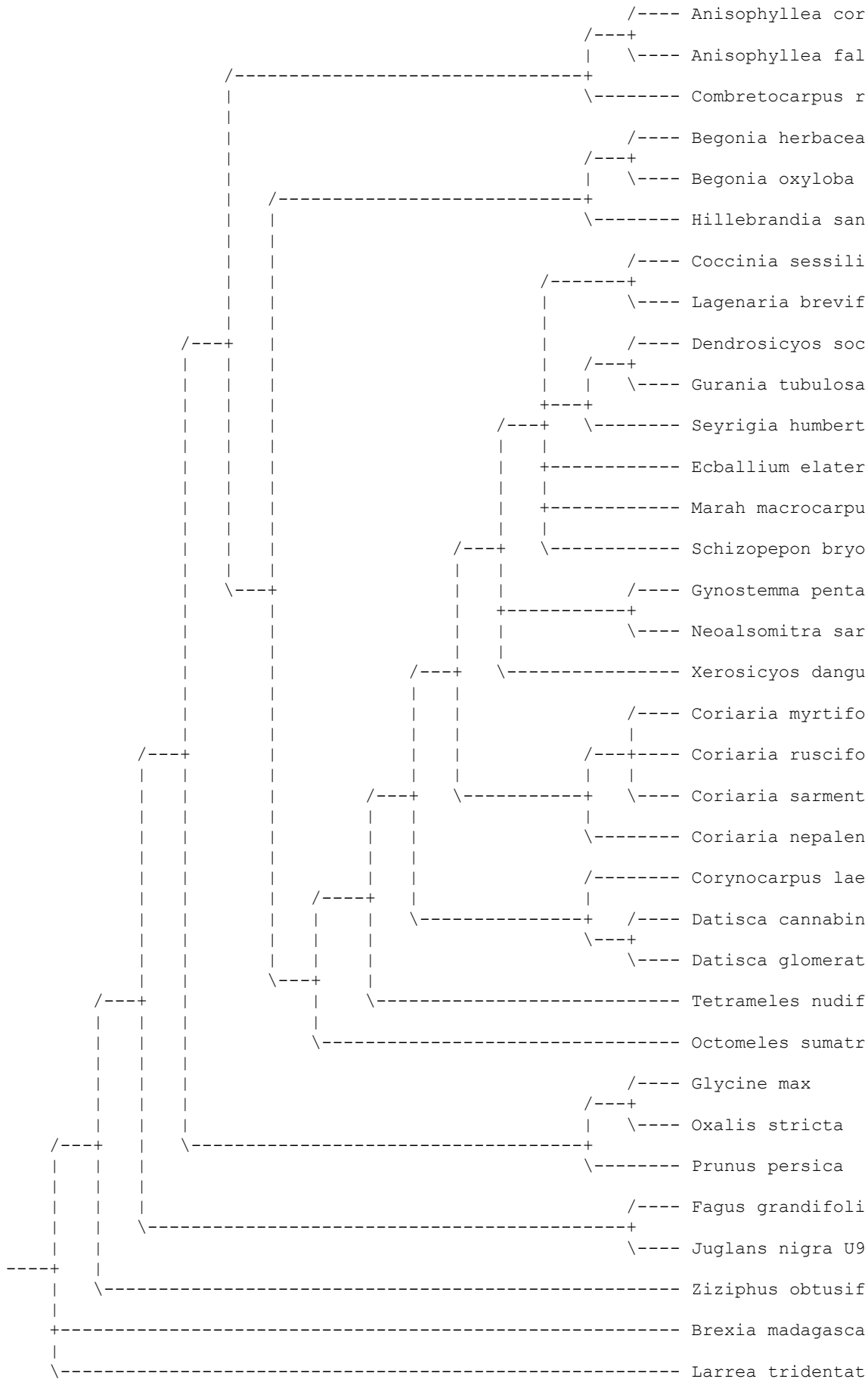


matK 3rd codon positions only LBA test parsimony strict consensus of 26 trees:

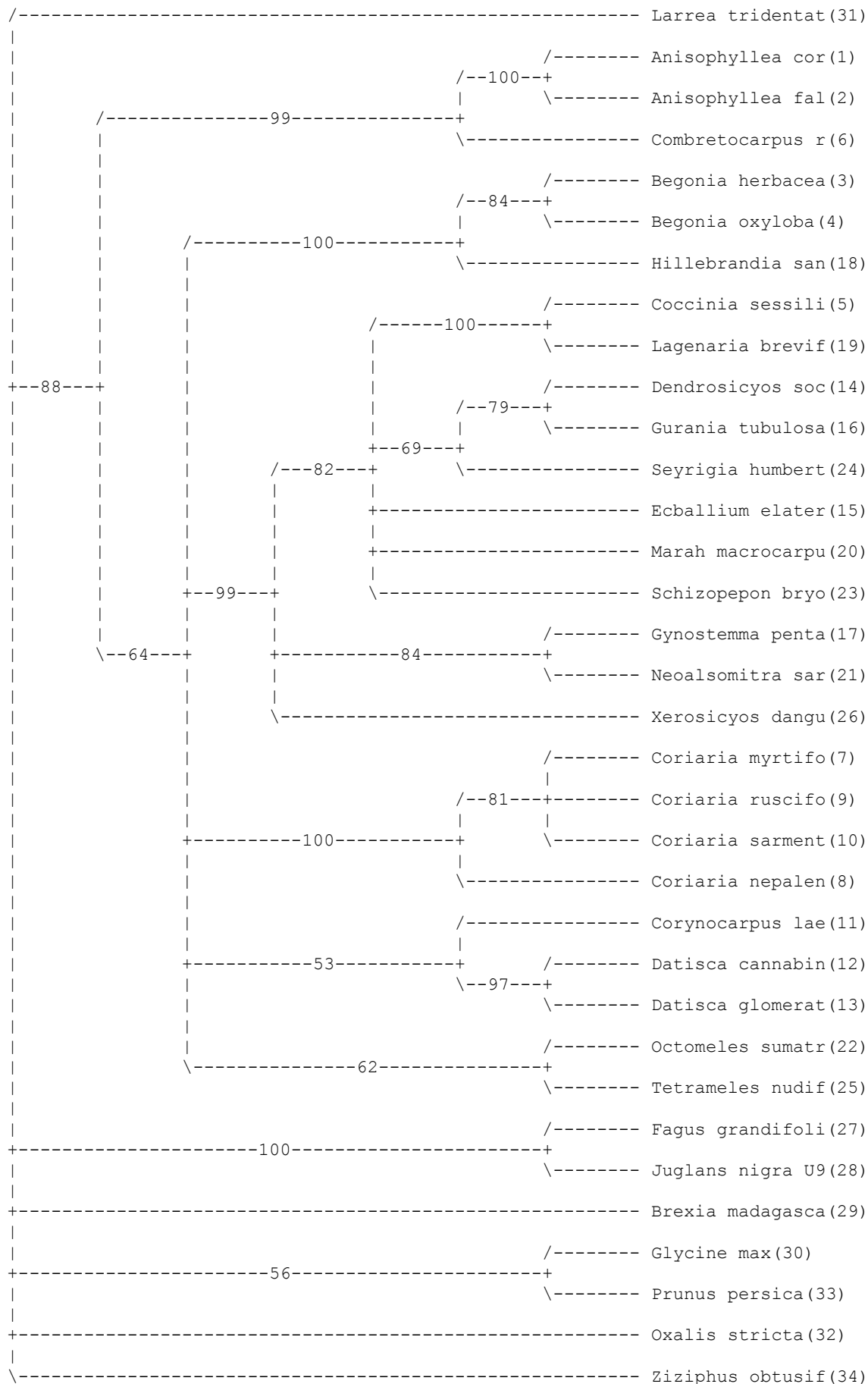




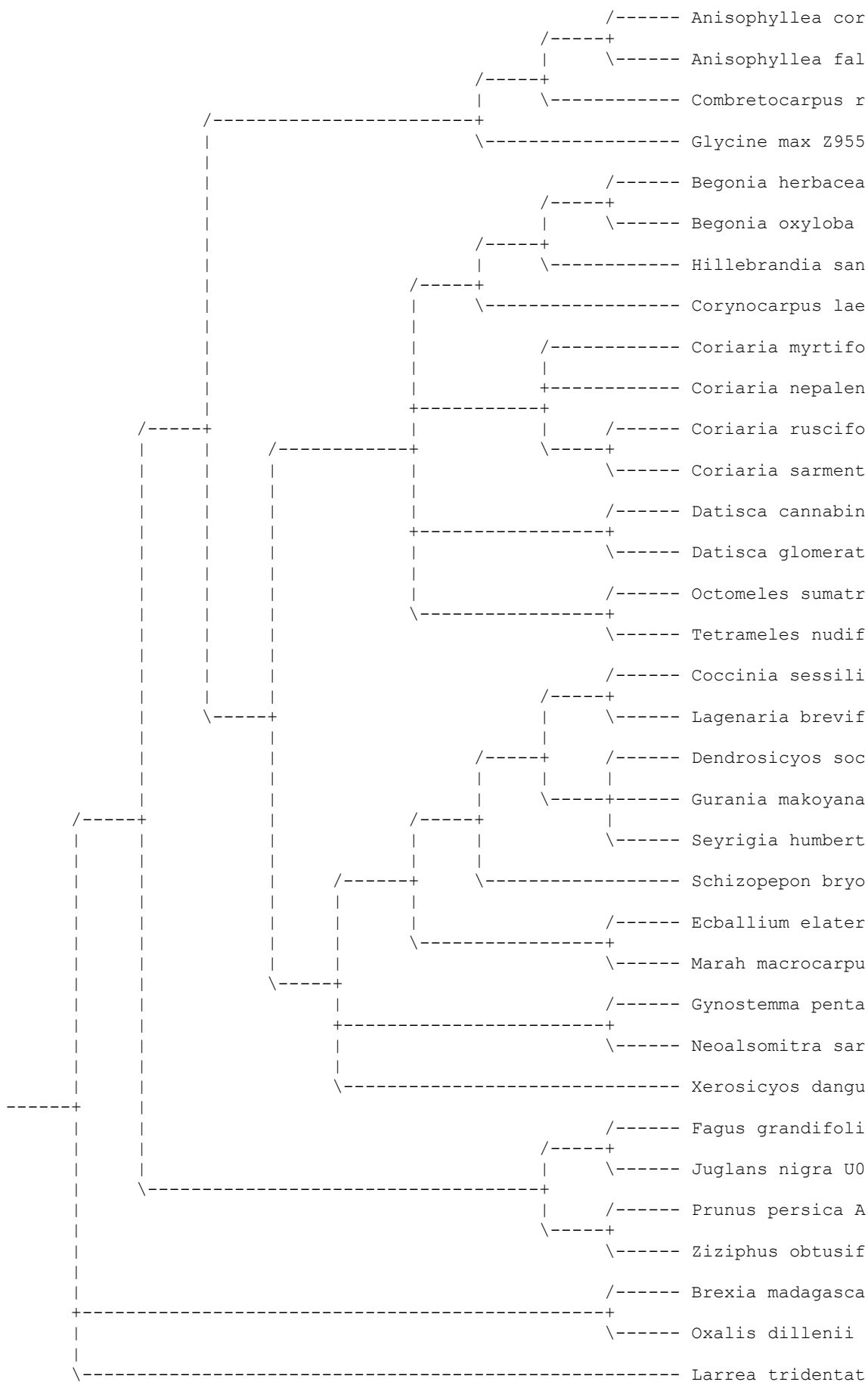
ndhF 3rd codon positions only LBA test parsimony strict consensus of 72 trees:



ndhF 3rd codon positions only LBA test parsimony jackknife 50% majority-rule consensus tree



rbcL 3rd codon positions only LBA test parsimony strict consensus of 12 trees:



rbcl 3rd codon positions only LBA test parsimony jackknife 50% majority-rule consensus tree

