

**Morphological and phylogenetic analyses of the *Toniniopsis subincompta* s. lat.
(Ramalinaceae, Lecanorales) in Eurasia**

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Supplementary material

Fig. S1. Maximum likelihood (ML) tree of *Toniniopsis subincompta* s. lat. resulting from the IQ-TREE analysis of a concatenated three-locus dataset (nrITS, mtSSU and RPB2). SH-like approximate likelihood values (SH-aLRT), Approximate Bayes probabilities (aBayes) and UFBoot are shown above or below branches. Branches with SH-aLRT \geq 95% (first values), aBayes \geq 95% (second value) and UFBoot support \geq 85% are considered as highly supported.

Fig. S2. Maximum likelihood (ML) tree of *Toniniopsis subincompta* s. lat. resulting from the IQ-TREE analysis of ITS-locus dataset including *T. subincompta* from GenBank. SH-like approximate likelihood values (SH-aLRT), Approximate Bayes probabilities (aBayes) and UFBoot are shown above or below branches. Branches with SH-aLRT \geq 95% (first values), aBayes \geq 95% (second value) and UFBoot support \geq 85% are considered as highly supported.

Fig. S3. MrBayes tree of *Toniniopsis subincompta* s. lat. resulting from the bayesian inference analysis of ITS-locus dataset including *T. subincompta* from GenBank. Branches with posterior probabilities \geq 0.95 are considered as highly supported.

Fig. S4. Maximum likelihood (ML) tree of *Toniniopsis subincompta* s. lat. resulting from the RAxML analysis of ITS-locus dataset including *T. subincompta* from GenBank. Branches with bootstrap support $>$ 70% are considered as highly supported.

Fig. S5. Maximum likelihood (ML) tree of *Toniniopsis subincompta* s. lat. resulting from the IQ-TREE analysis of ITS-locus dataset. SH-like approximate likelihood values (SH-aLRT), Approximate Bayes probabilities (aBayes) and UFBoot are shown above or below branches. Branches with SH-aLRT $\geq 95\%$ (first values), aBayes $\geq 95\%$ (second value) and UFBoot support $\geq 85\%$ are considered as highly supported.

Fig. S6. MrBayes tree of *Toniniopsis subincompta* s. lat. resulting from the bayesian inference analysis of ITS-locus dataset. Branches with posterior probabilities ≥ 0.95 are considered as highly supported.

Fig. S7. Maximum likelihood (ML) tree of *Toniniopsis subincompta* s. lat. resulting from the RAxML analysis of ITS-locus dataset including *T. subincompta* from GenBank. Branches with bootstrap support $>70\%$ are considered as highly supported.

Fig. S8. Maximum likelihood (ML) tree of *Toniniopsis subincompta* s. lat. resulting from the IQ-TREE analysis of mtSSU-locus dataset. SH-like approximate likelihood values (SH-aLRT), Approximate Bayes probabilities (aBayes) and UFBoot are shown above or below branches. Branches with SH-aLRT $\geq 95\%$ (first values), aBayes $\geq 95\%$ (second value) and UFBoot support $\geq 85\%$ are considered as highly supported.

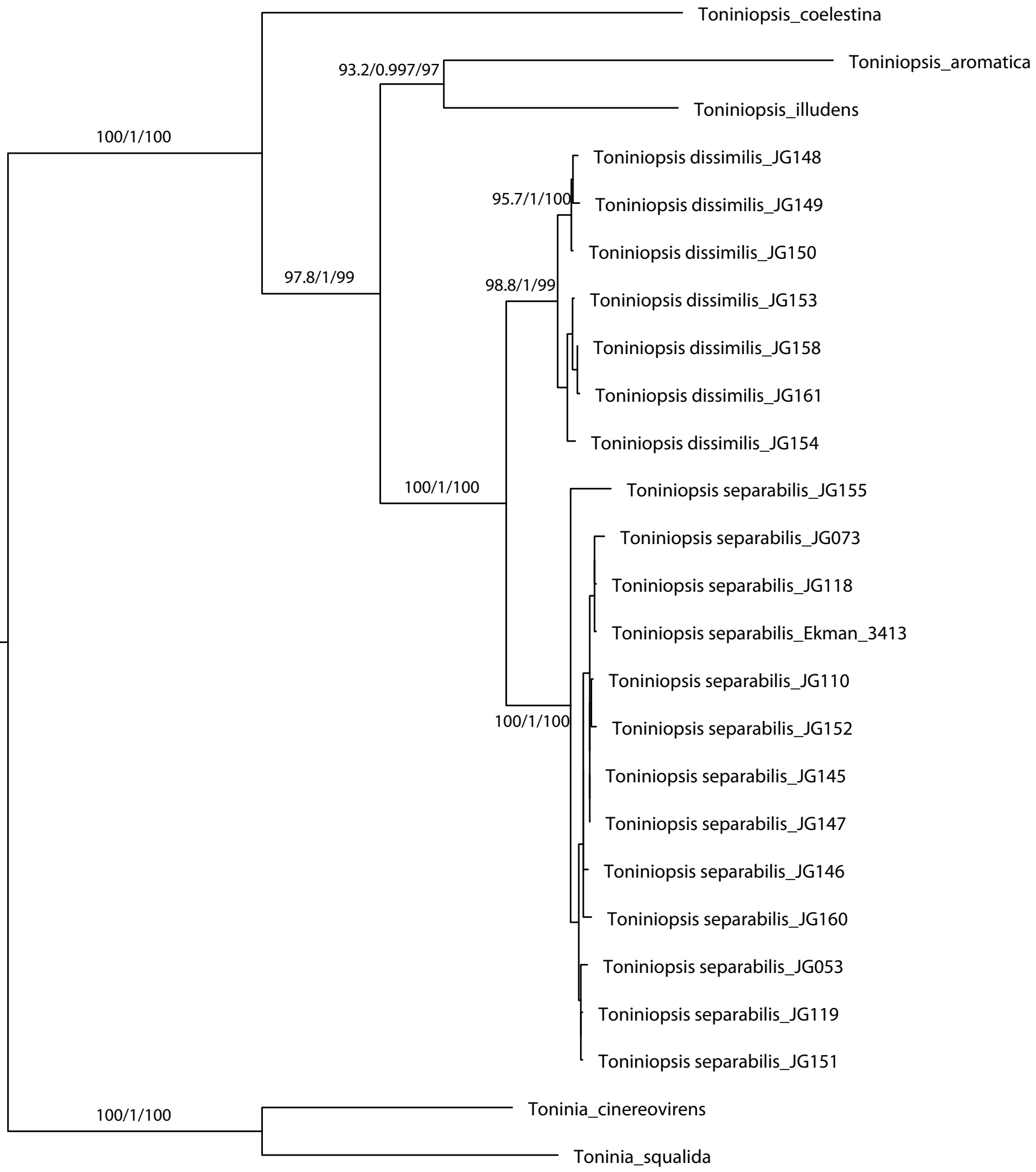
Fig. S9. MrBayes tree of *Toniniopsis subincompta* s. lat. resulting from the bayesian inference analysis of mtSSU-locus dataset. Branches with posterior probability ≥ 0.95 are considered as highly supported.

Fig. S10. Maximum likelihood (ML) tree of *Toniniopsis subincompta* s. lat. resulting from the RAxML analysis of mtSSU-locus dataset. Branches with bootstrap support >70% are considered as highly supported.

Fig. S11. Maximum likelihood (ML) tree of *Toniniopsis subincompta* s. lat. resulting from the IQ-TREE analysis of RPB2-locus dataset. SH-like approximate likelihood values (SH-aLRT), Approximate Bayes probabilities (aBayes) and UFBoot are shown above or below branches. Branches with SH-aLRT \geq 95% (first values), aBayes \geq 95% (second value) and UFBoot support \geq 85% are considered as highly supported.

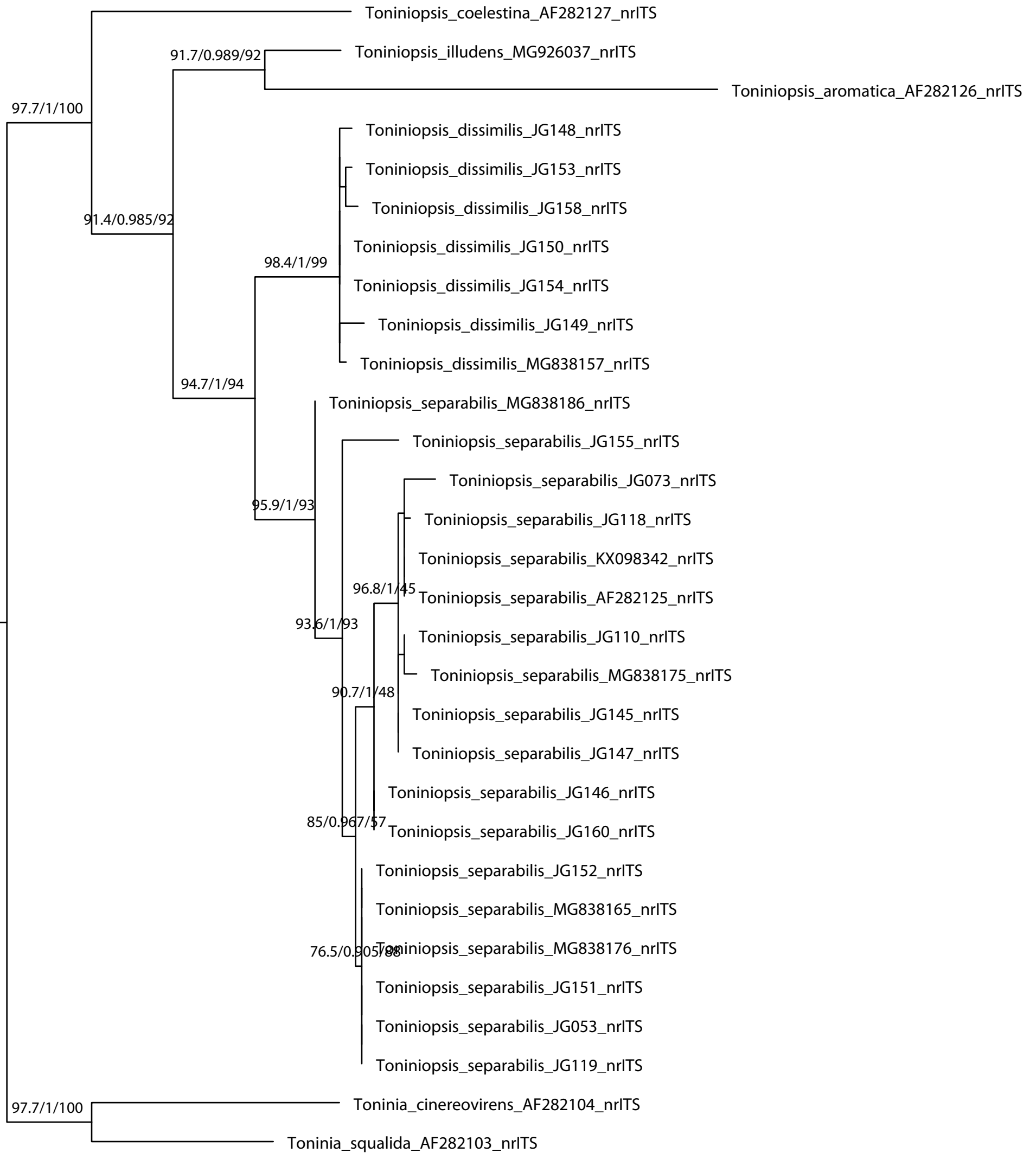
Fig. S12. MrBayes tree of *Toniniopsis subincompta* s. lat. resulting from the bayesian inference analysis of RPB2-locus dataset. Branches with posterior probability \geq 0.95 are considered as highly supported.

Fig. S13. Maximum likelihood (ML) tree of *Toniniopsis subincompta* s. lat. resulting from the RAxML analysis of RPB2-locus dataset. Branches with bootstrap support >70% are considered as highly supported.



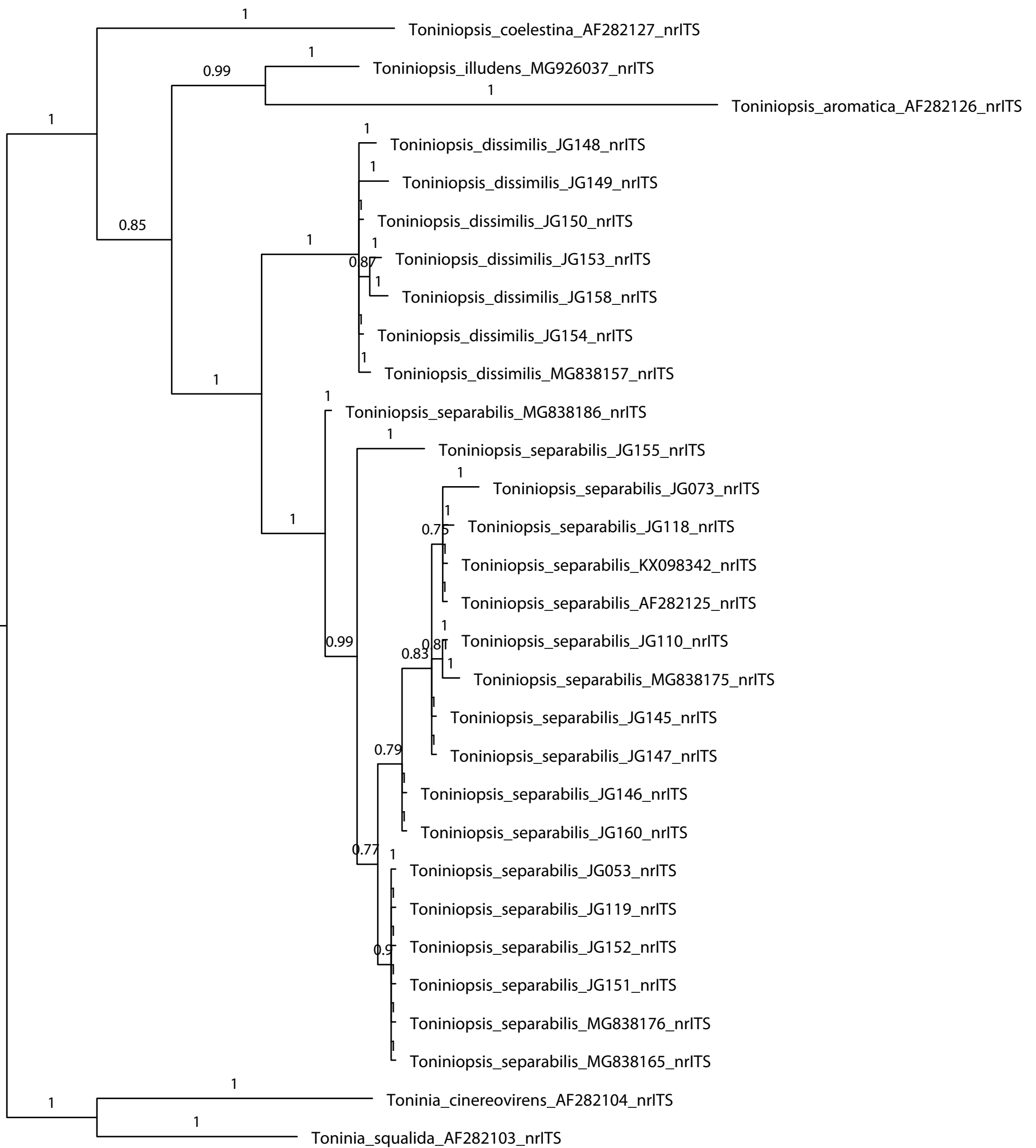
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FigS1_3locus_IQ_tree



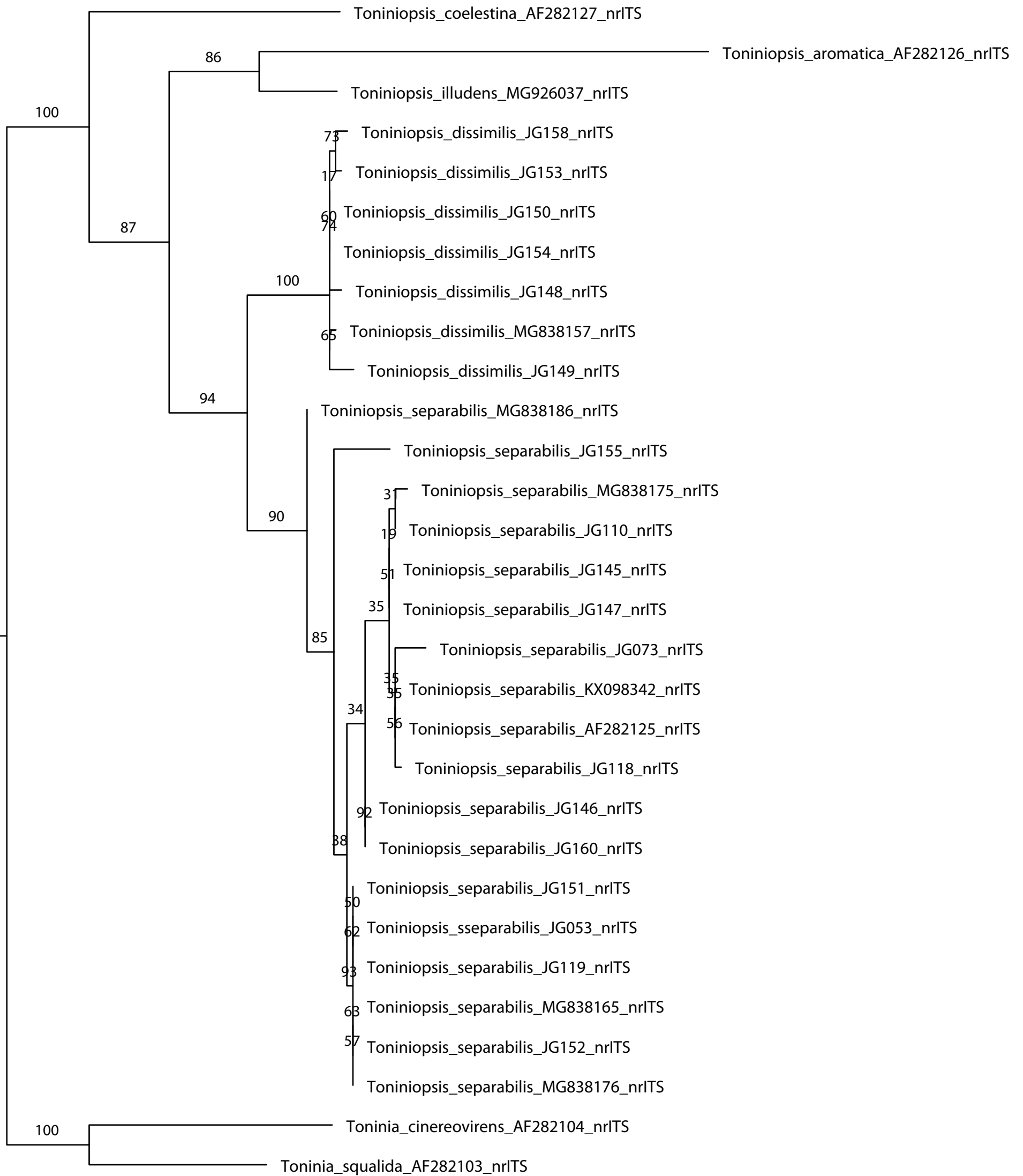
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FigS2 ITS_GB_IQ_tree



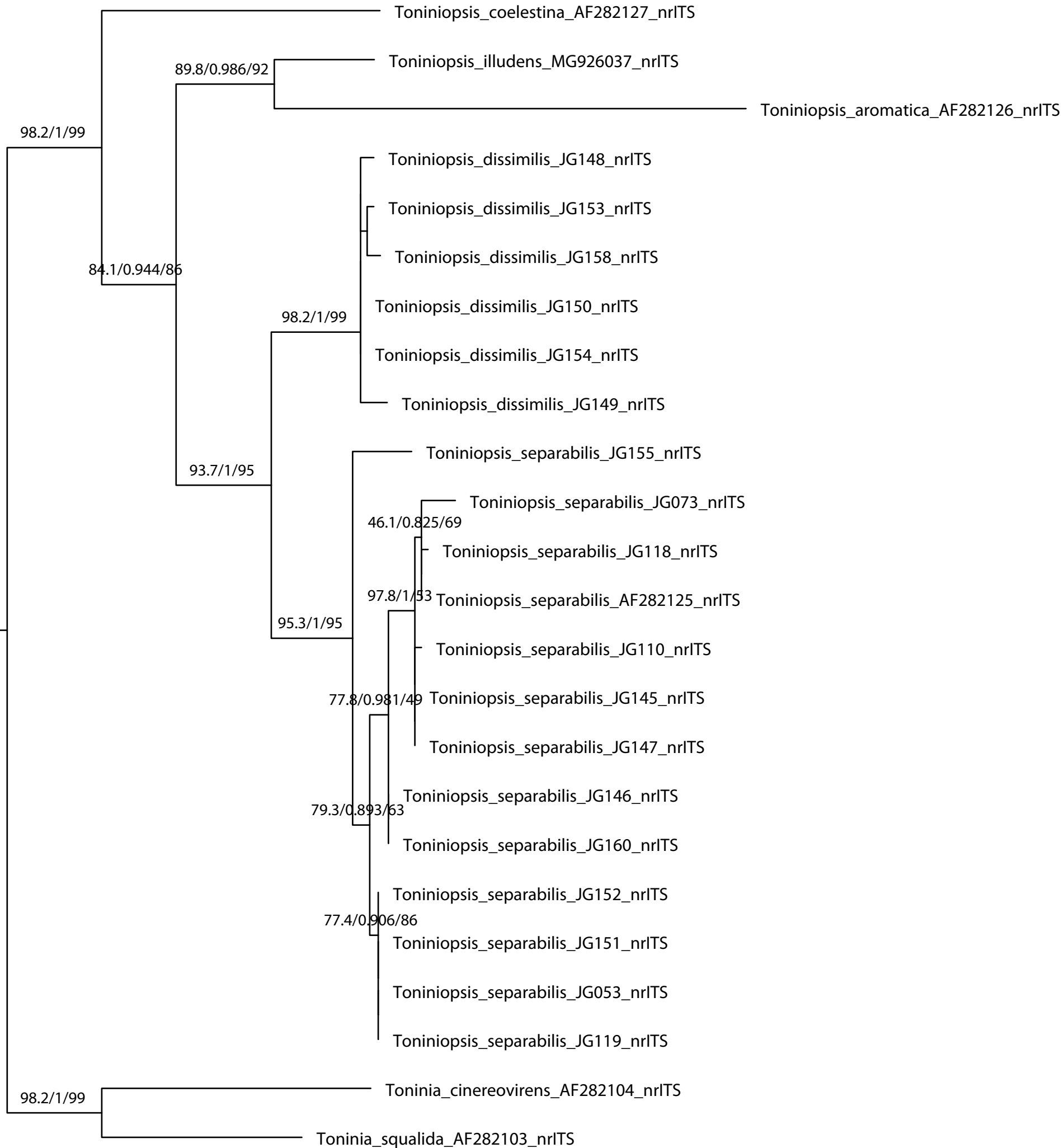
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FigS3 ITS_GB_MrBayes



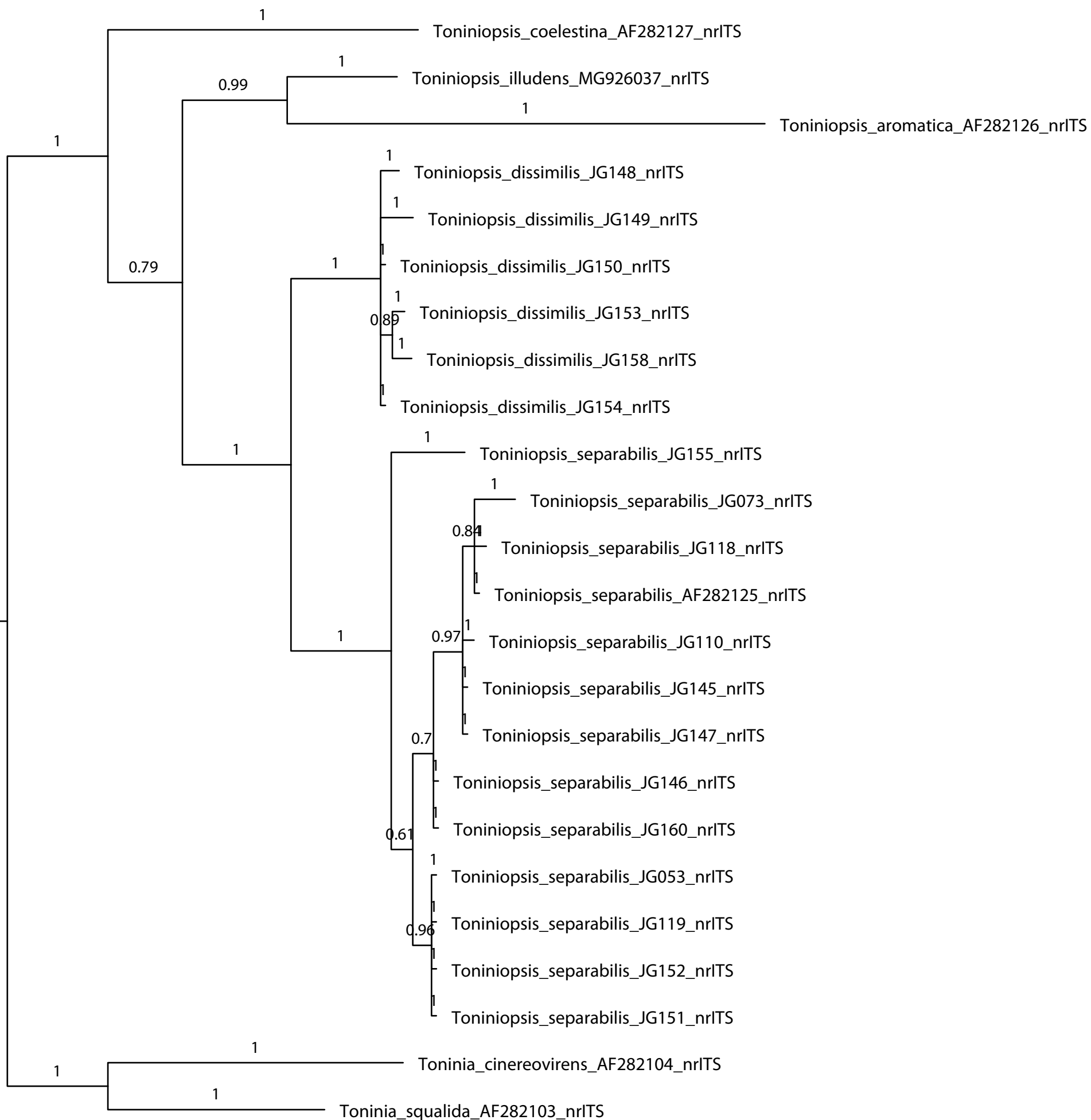
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FigS4_ITS_GB_RAxML



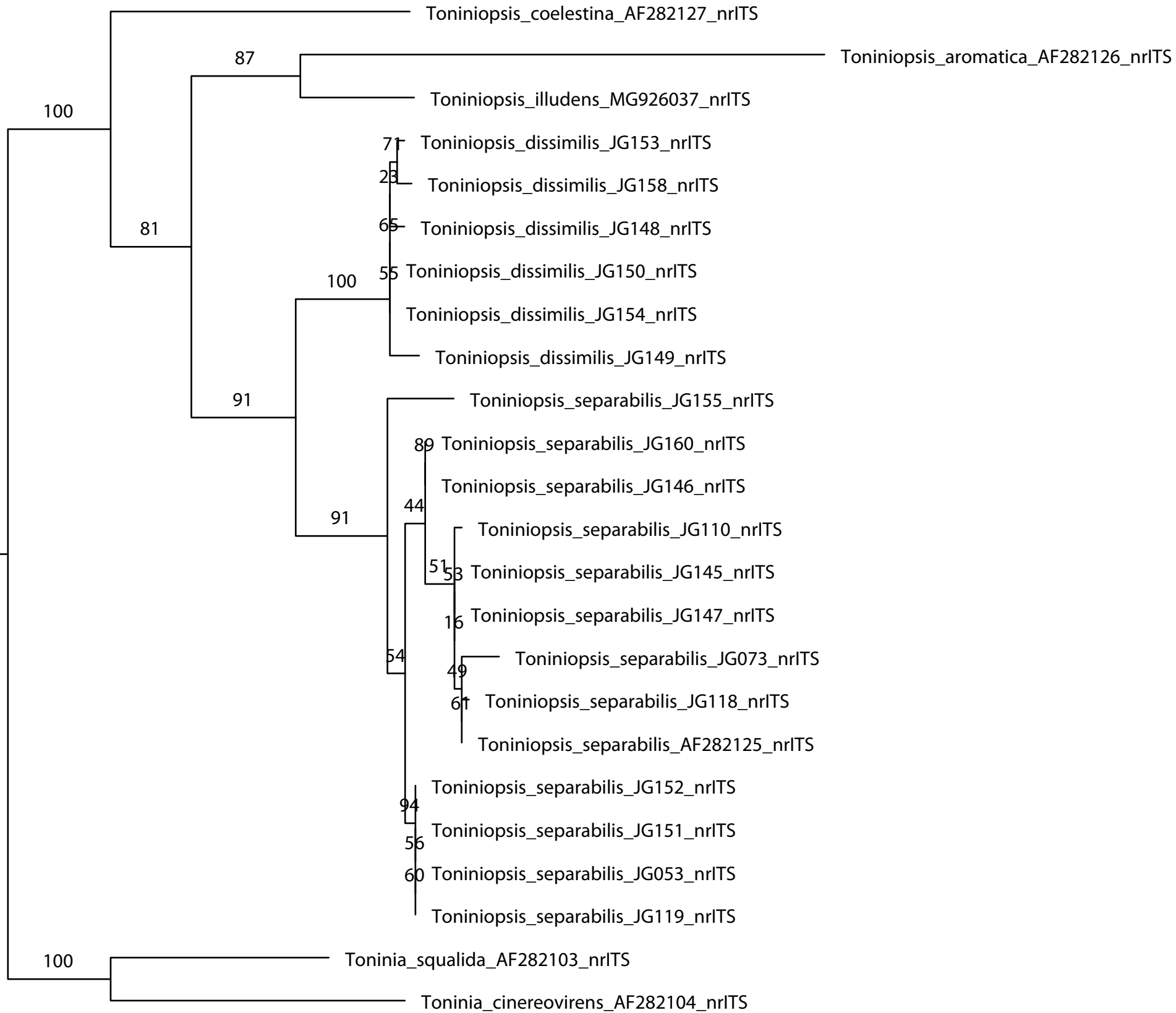
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FigS5 ITS_IQ_tree



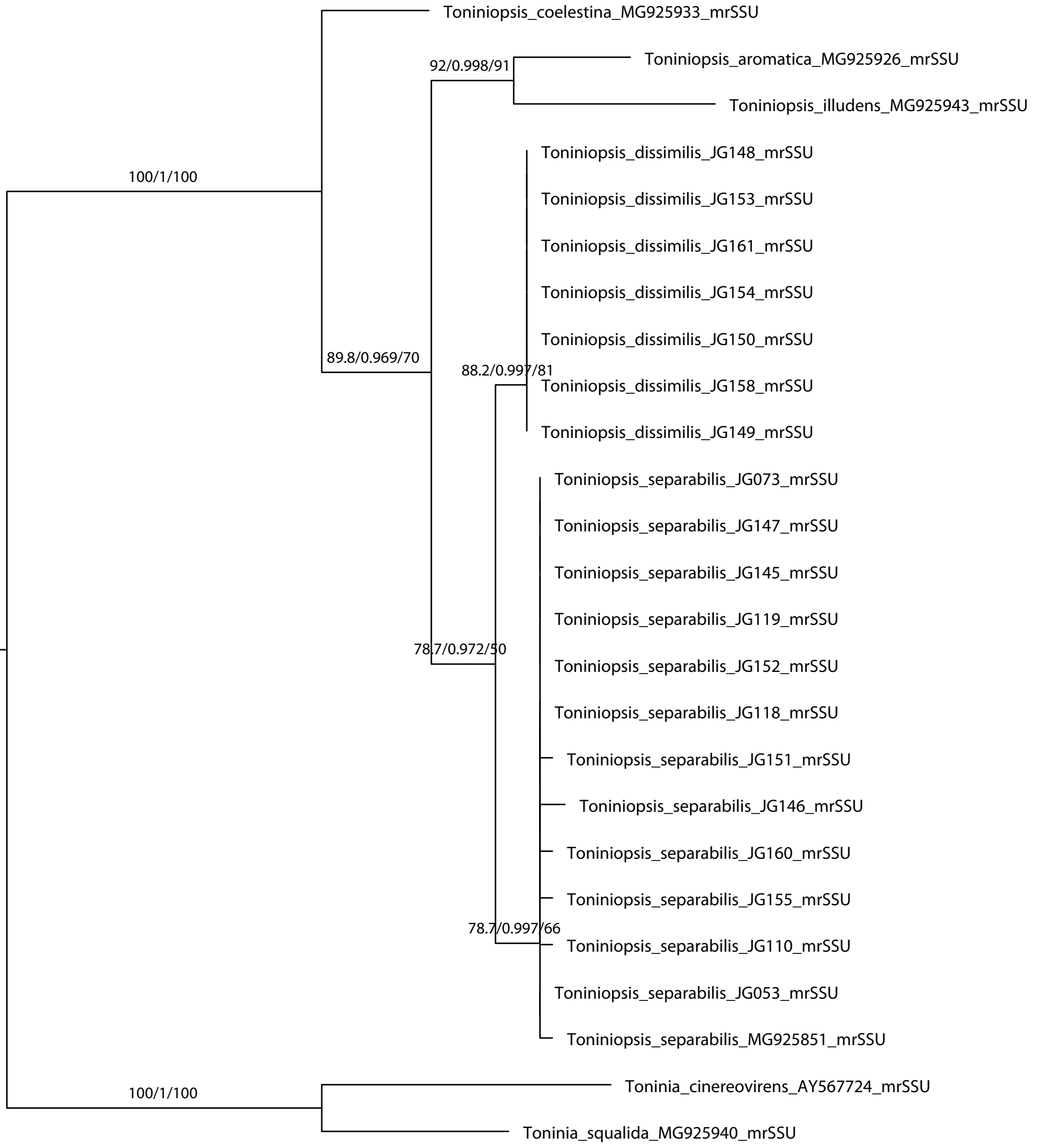
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FigS6 ITS_MrBayes



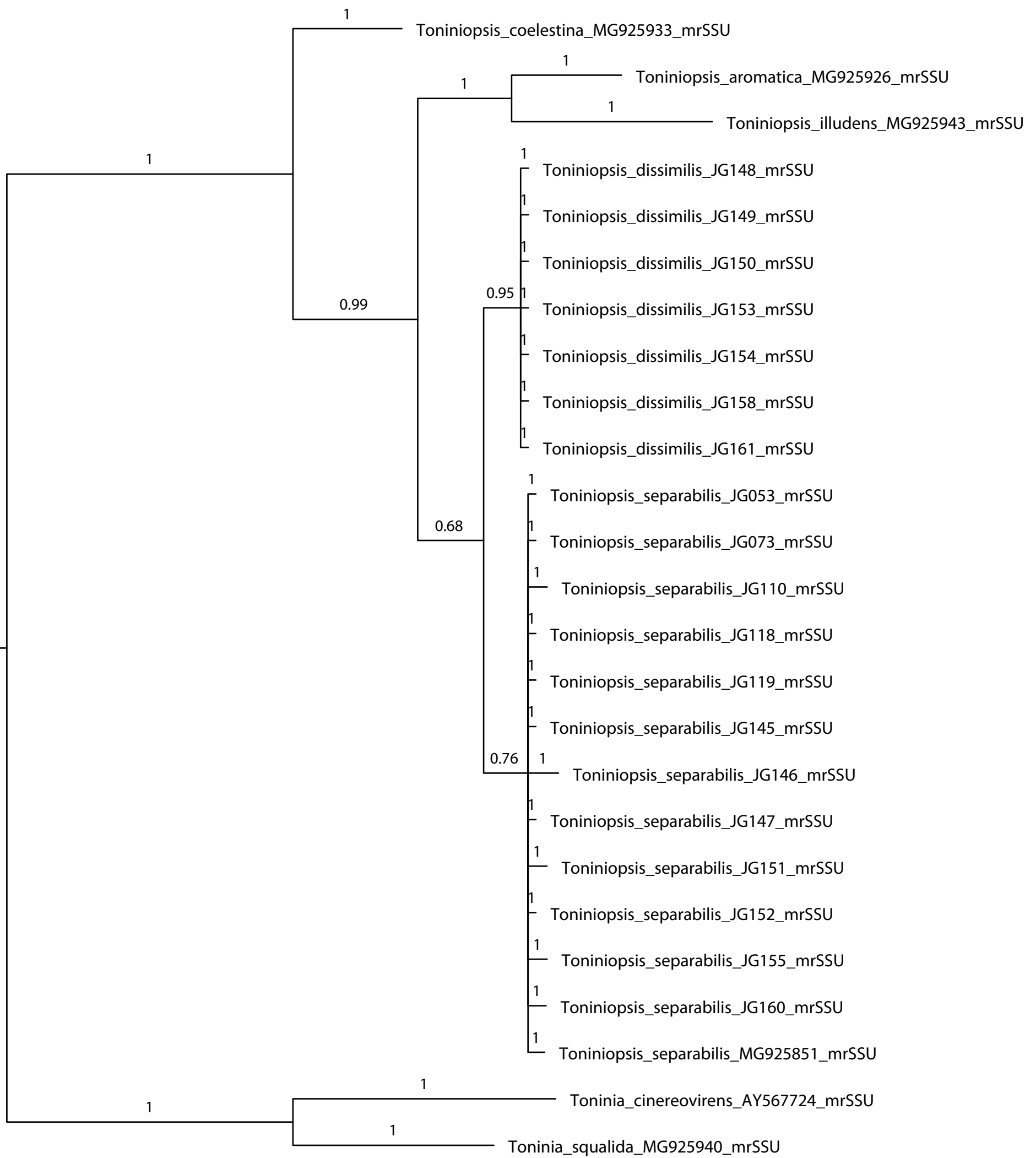
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FigS7_ITS_RAxML



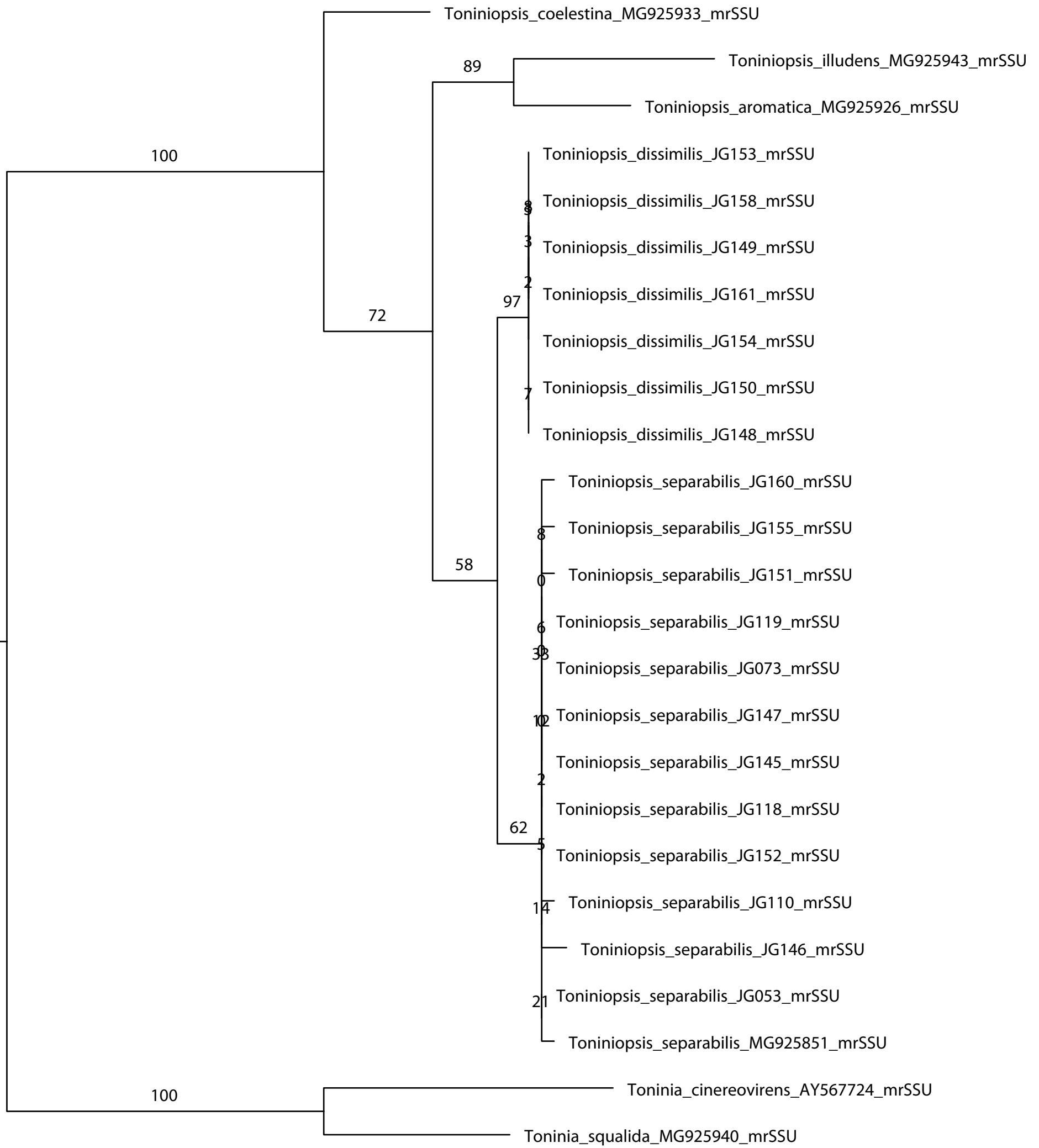
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FigS8_mtSSU_IQ_tree



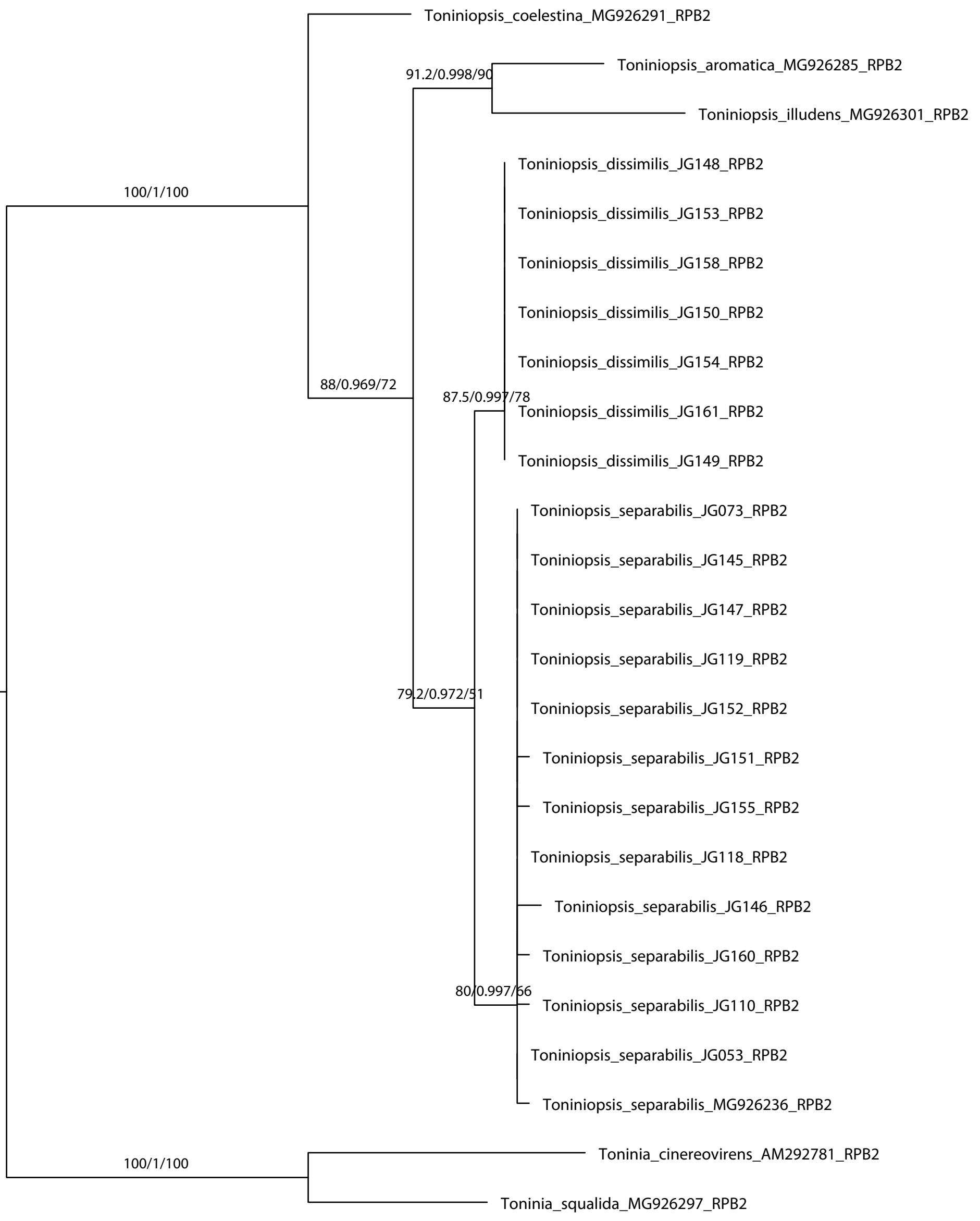
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FigS9_mtSSU_MrBayes



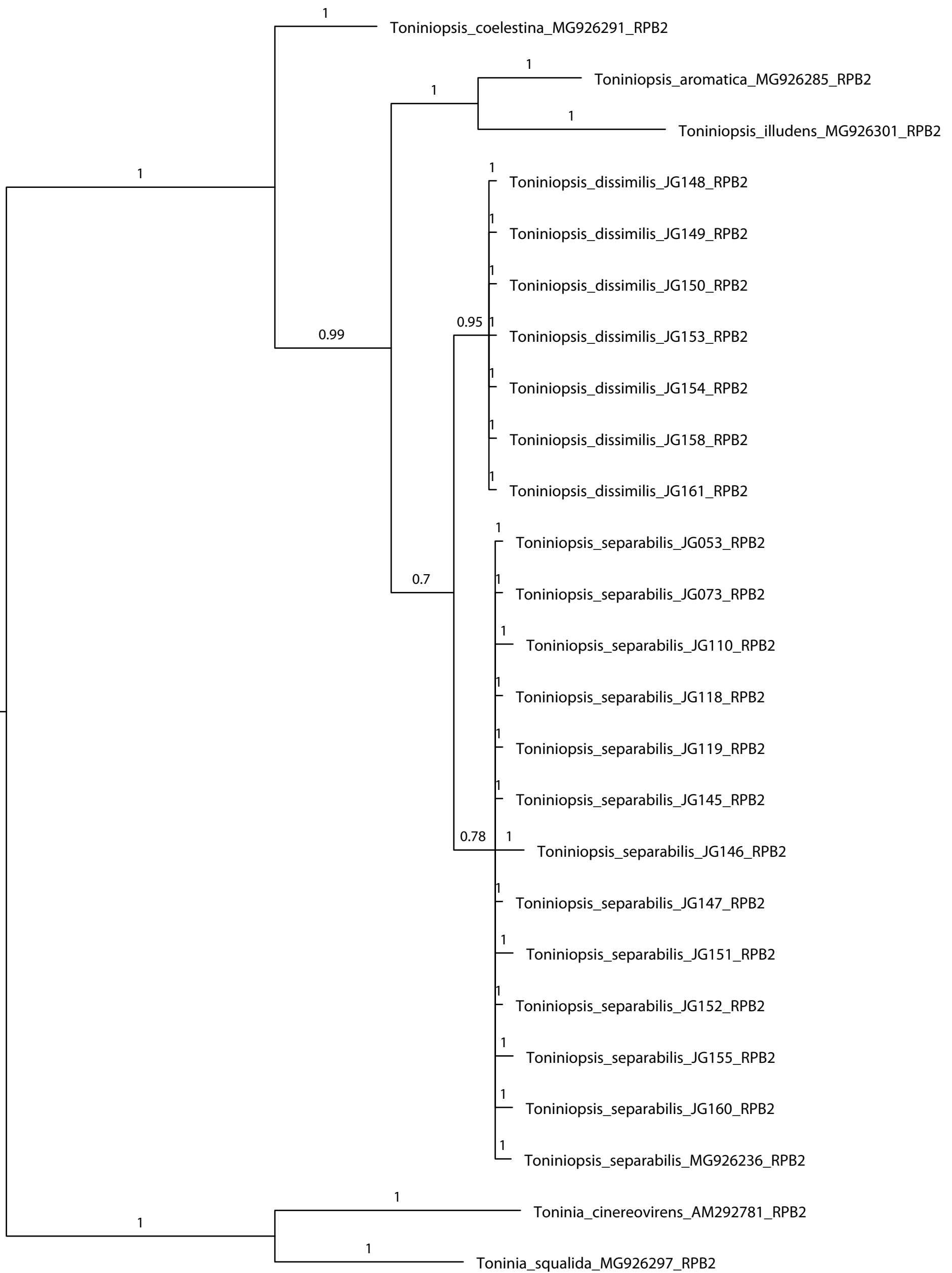
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FigS10_mtSSU_RAxML



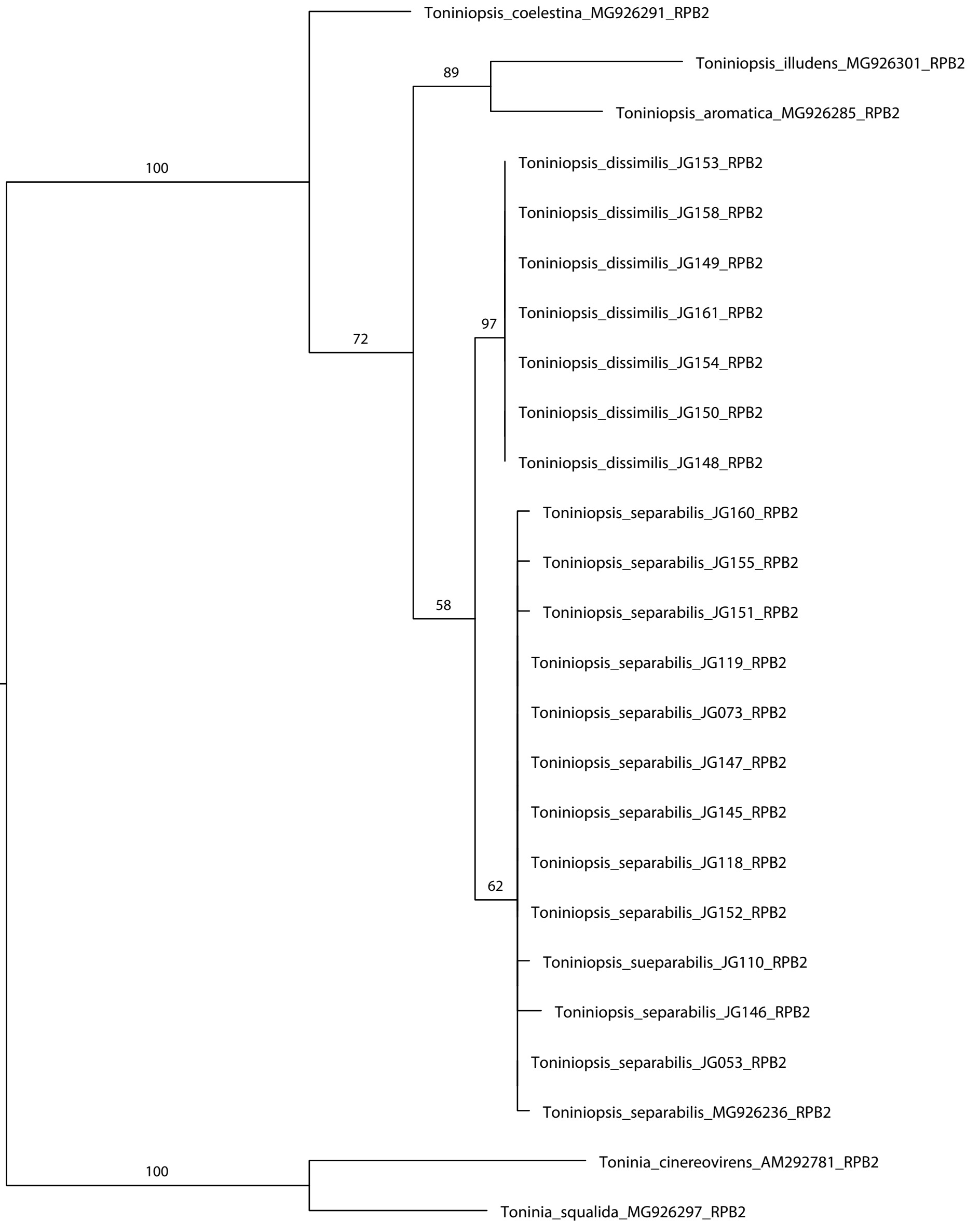
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FigS11_RPB2_IQ_tree



0.02

FigS12_RPB2_MrBayes



0.02

FigS13_RPB2_RAxML