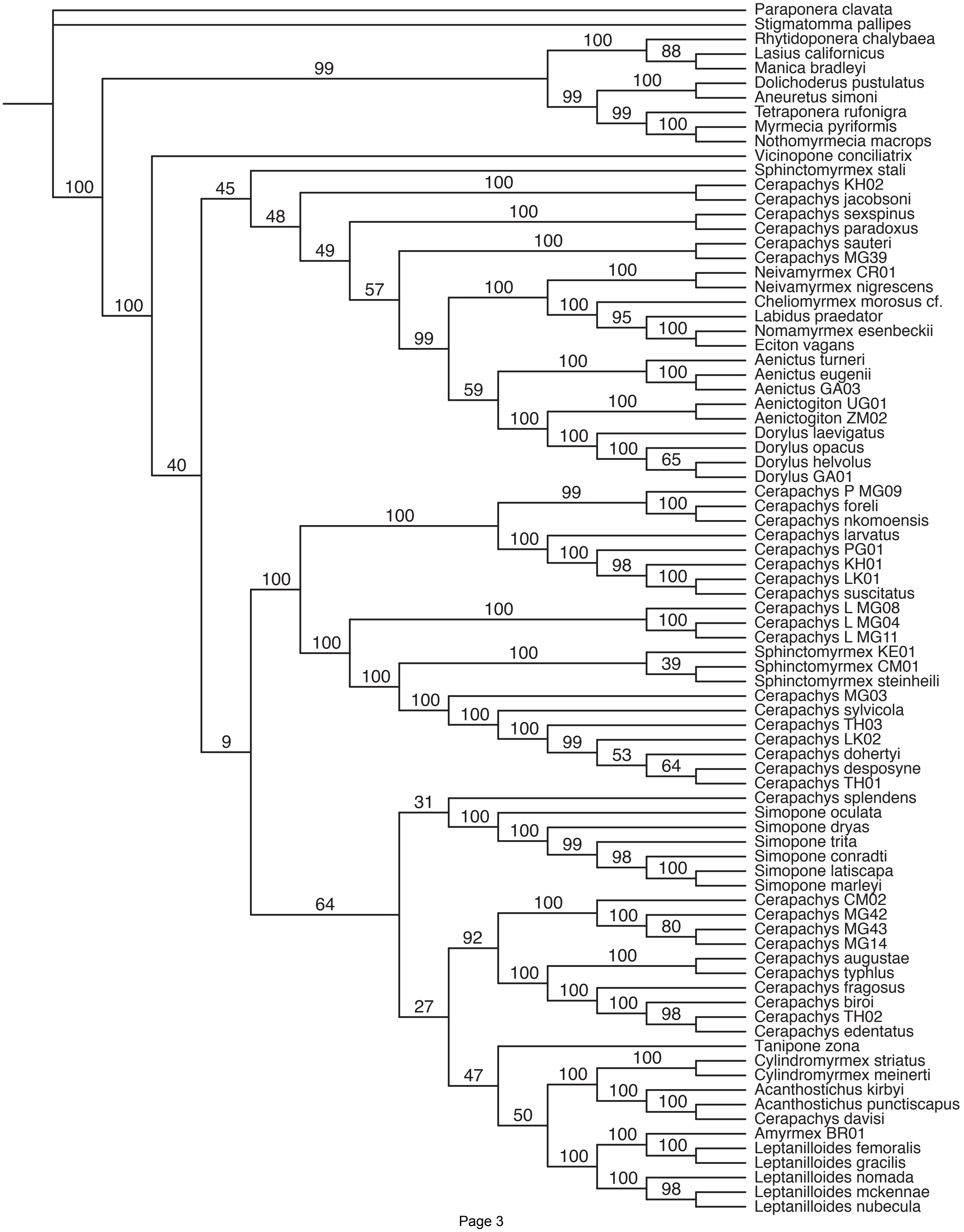
Phylogenetic reconstructions from all data treatments. See the Methods section in the paper for details about the different data treatments. Trees are presented in the same order as found in Table 2, with single gene trees added to the end of this file. The order of trees in the file is given below. MB = MrBayes; ML = maximum likelihood.

Page Treatment

35 83 taxa (all), ACTG coding, EF1aF2 only, MB
36 83 taxa (all), ACTG coding, LWRh only, MB
37 83 taxa (all), ACTG coding, Top1 only, MB
38 83 taxa (all), ACTG coding, Ubx only, MB
39 83 taxa (all), ACTG coding, wg only, MB

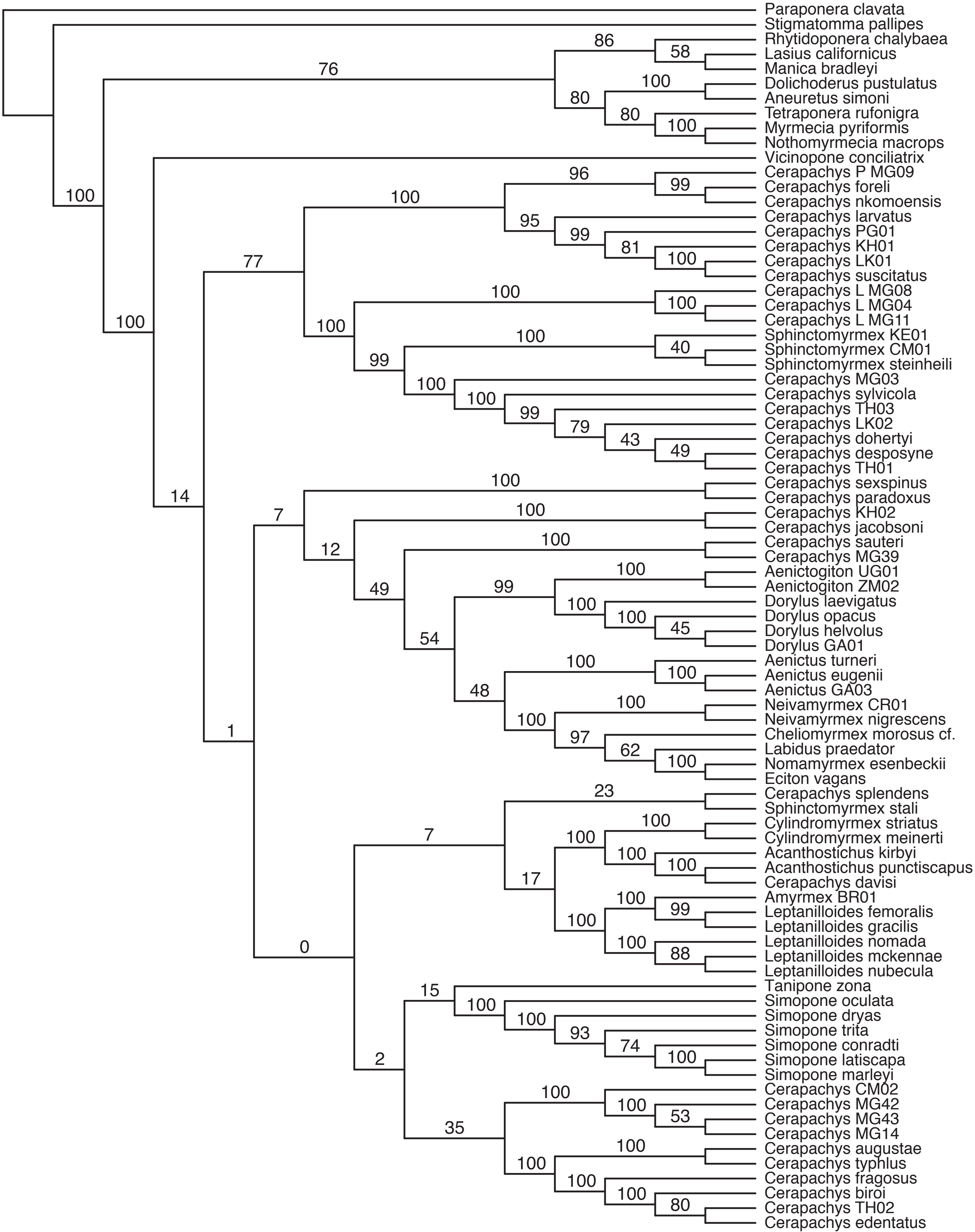
Dory83, Bayesian nuc models, Pos3s included, 100M gens, burnin=50M

Majority-rule consensus tree



Dory83, pos3=ACTG, partitioned MLBS, 1075 pseudoreps

Majority-rule consensus tree

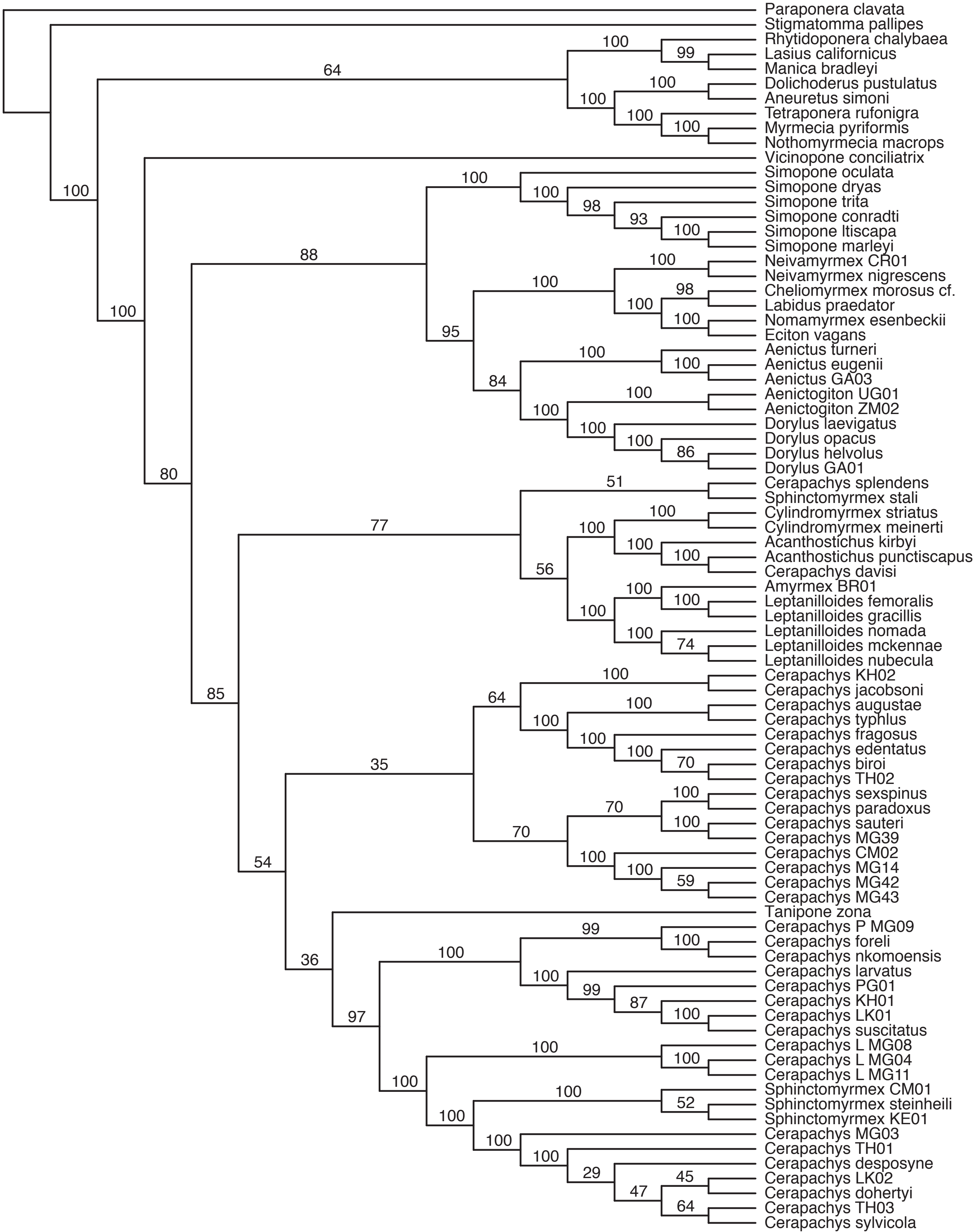


Dorylomorph 83 taxa, 25 partitions, Garli ML Best Tree of 50 searches, lnL=-100757.836560

bestREP4

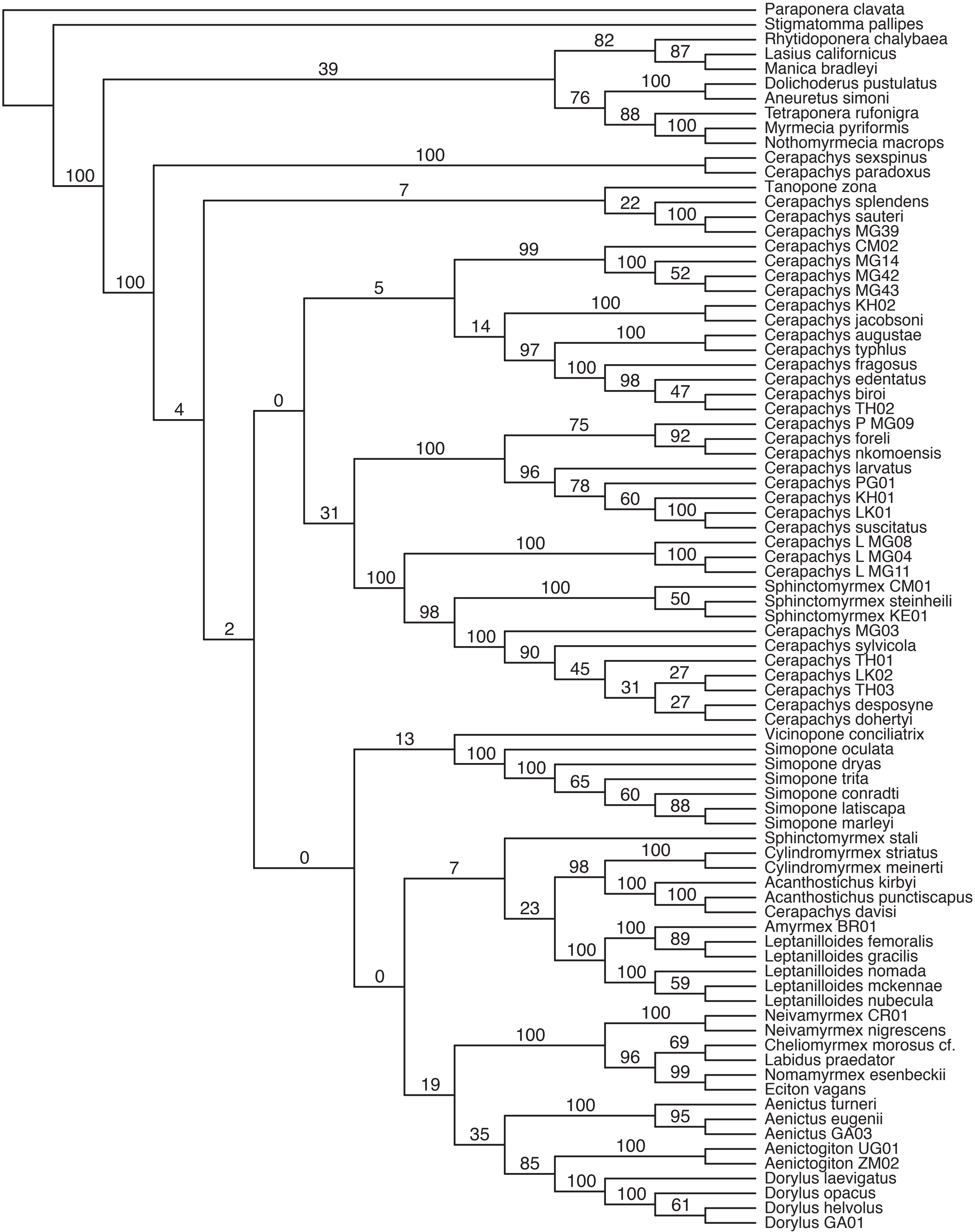
Dory83, Bayesian nuc models, all 3rds coded as RY, 100M gens, burnin=10M

Majority-rule consensus tree



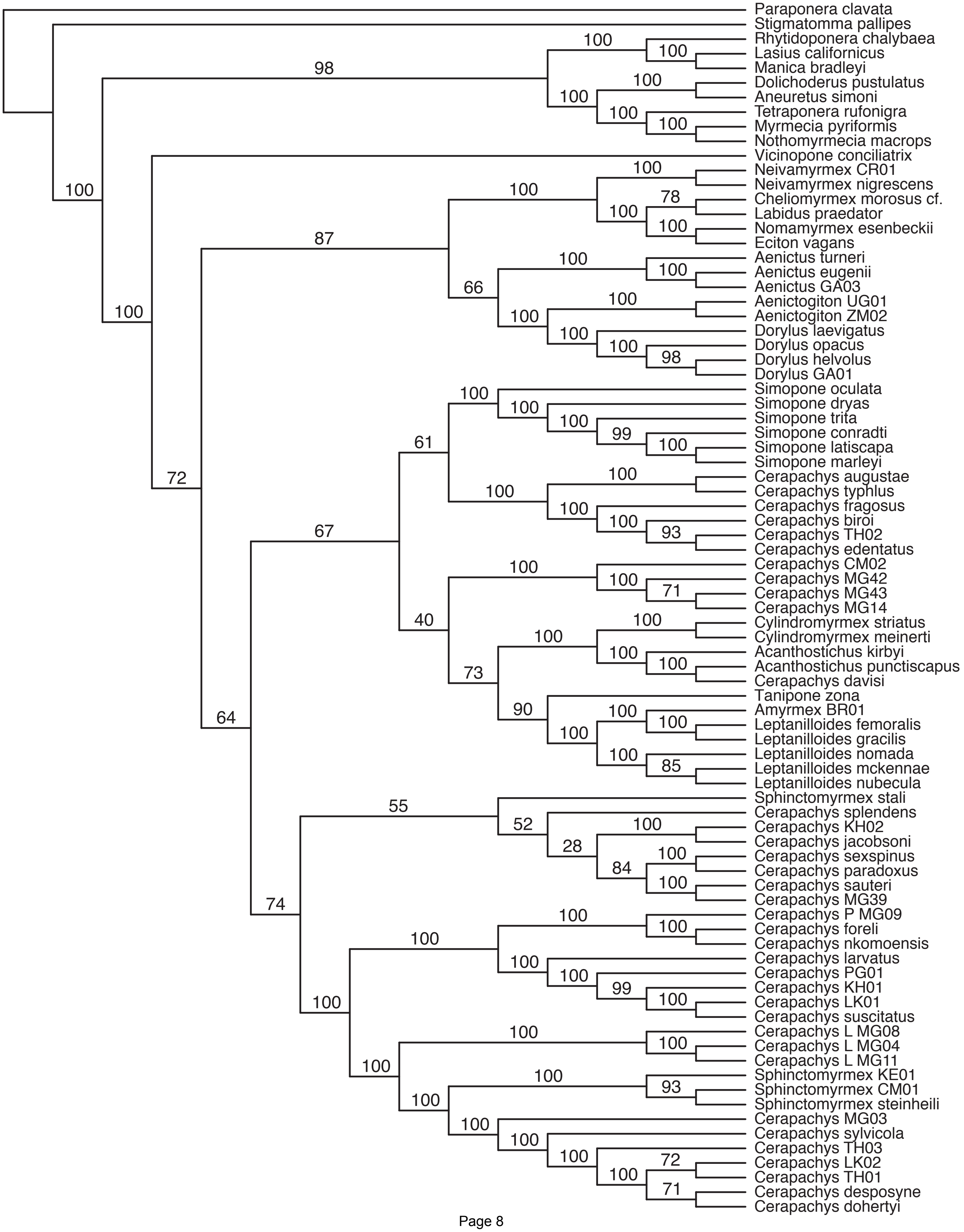
Dory83, pos3s all RY coded, partitioned MLBS, 1090 pseudoreps

Majority-rule consensus tree



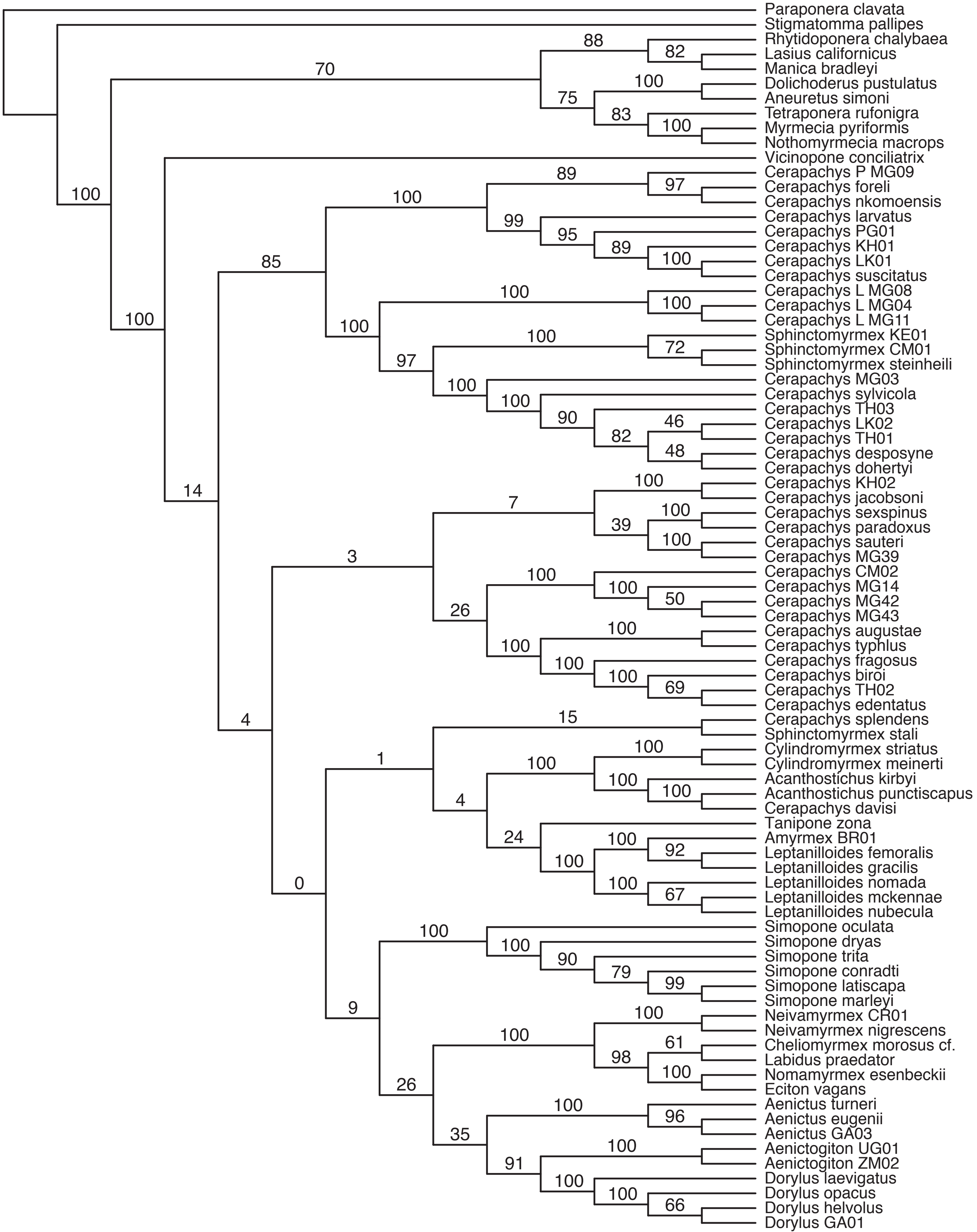
Dory83, subset of pos3s coded as RY, Bayesian, 100M gens, burnin=50M

Majority-rule consensus tree



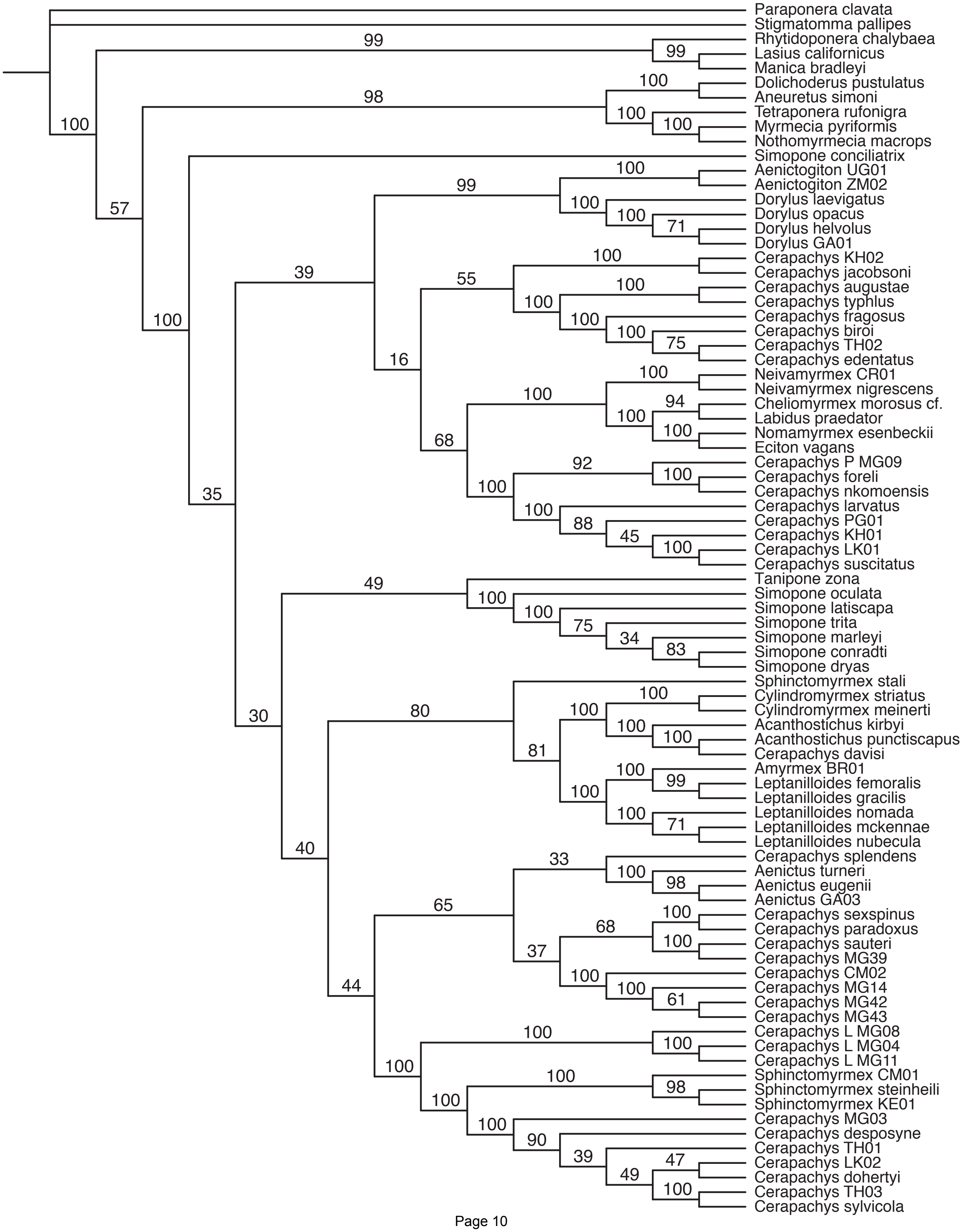
Dory83, subset of pos3s RY coded, partitioned MLBS, 1070 pseudoreps

Majority-rule consensus tree



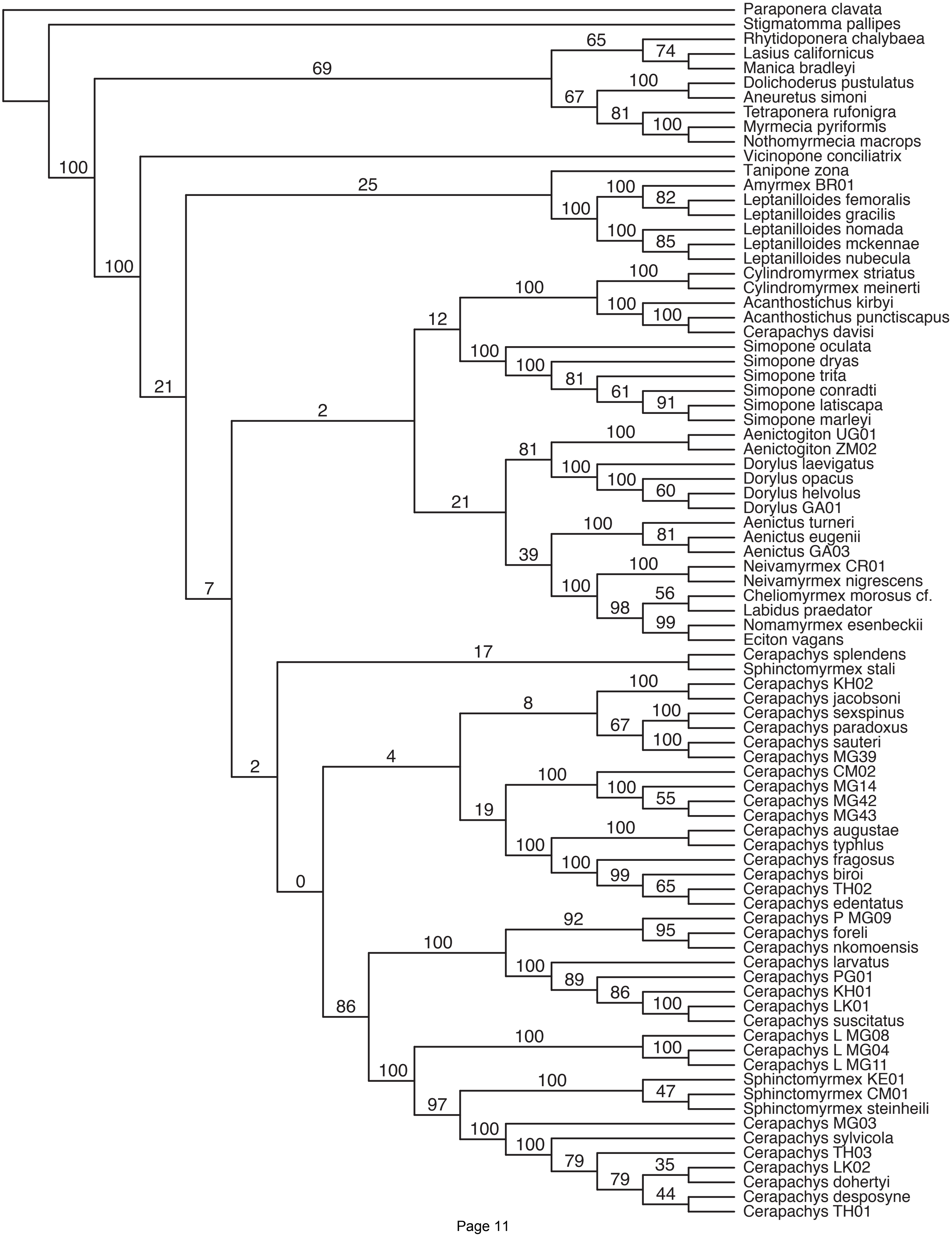
Dory83, MB nuc partitioned model, pos3s excluded, 50M gens, burnin=5M

Majority-rule consensus tree

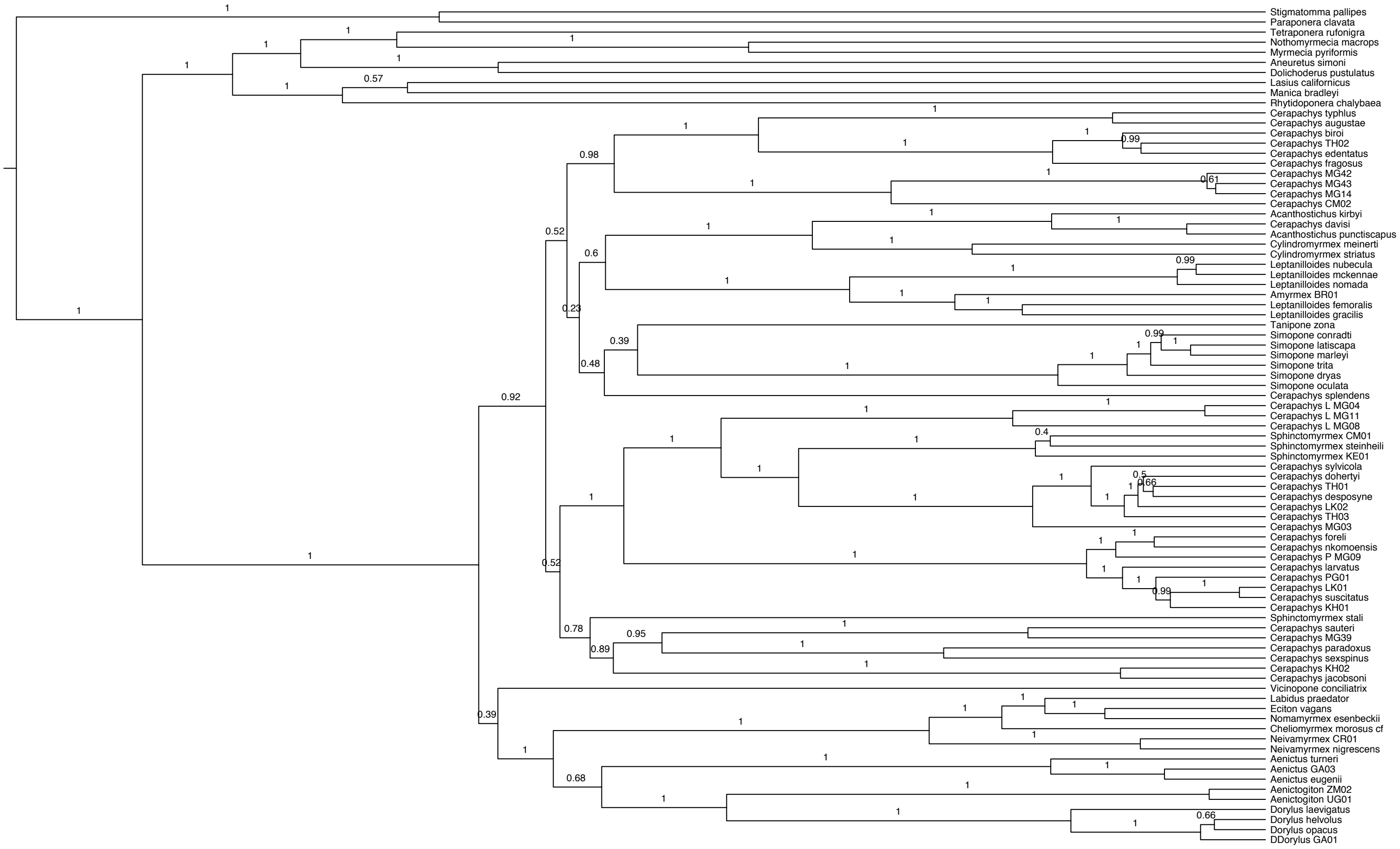


Dory83, 3rd positions excluded, MLBS 1190 pseudoreps

Majority-rule consensus tree

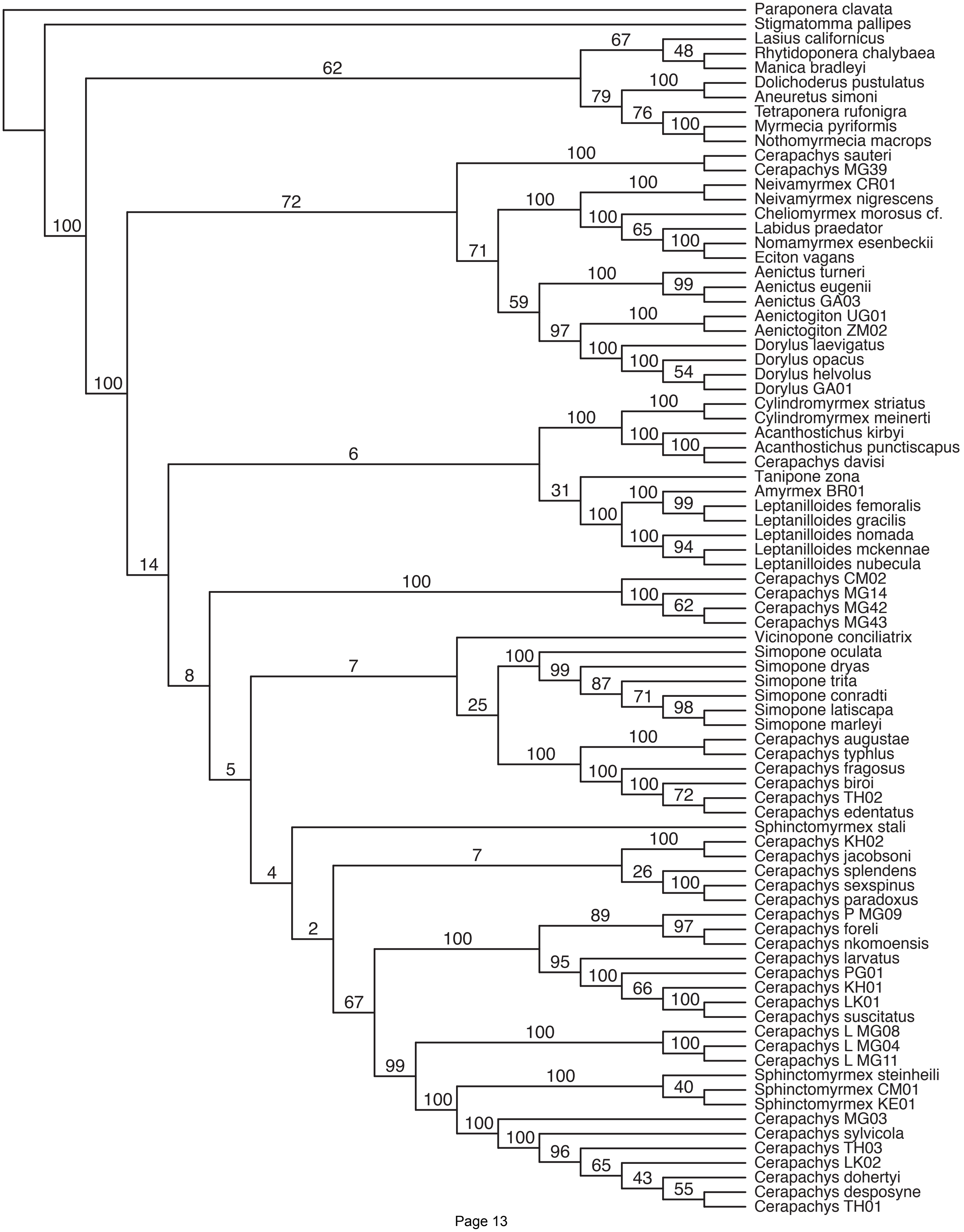


Dory83 (all taxa), ATGC nuc coding, BEAST



Dory83 partitioned codon model MLBS 228 pseudoreps

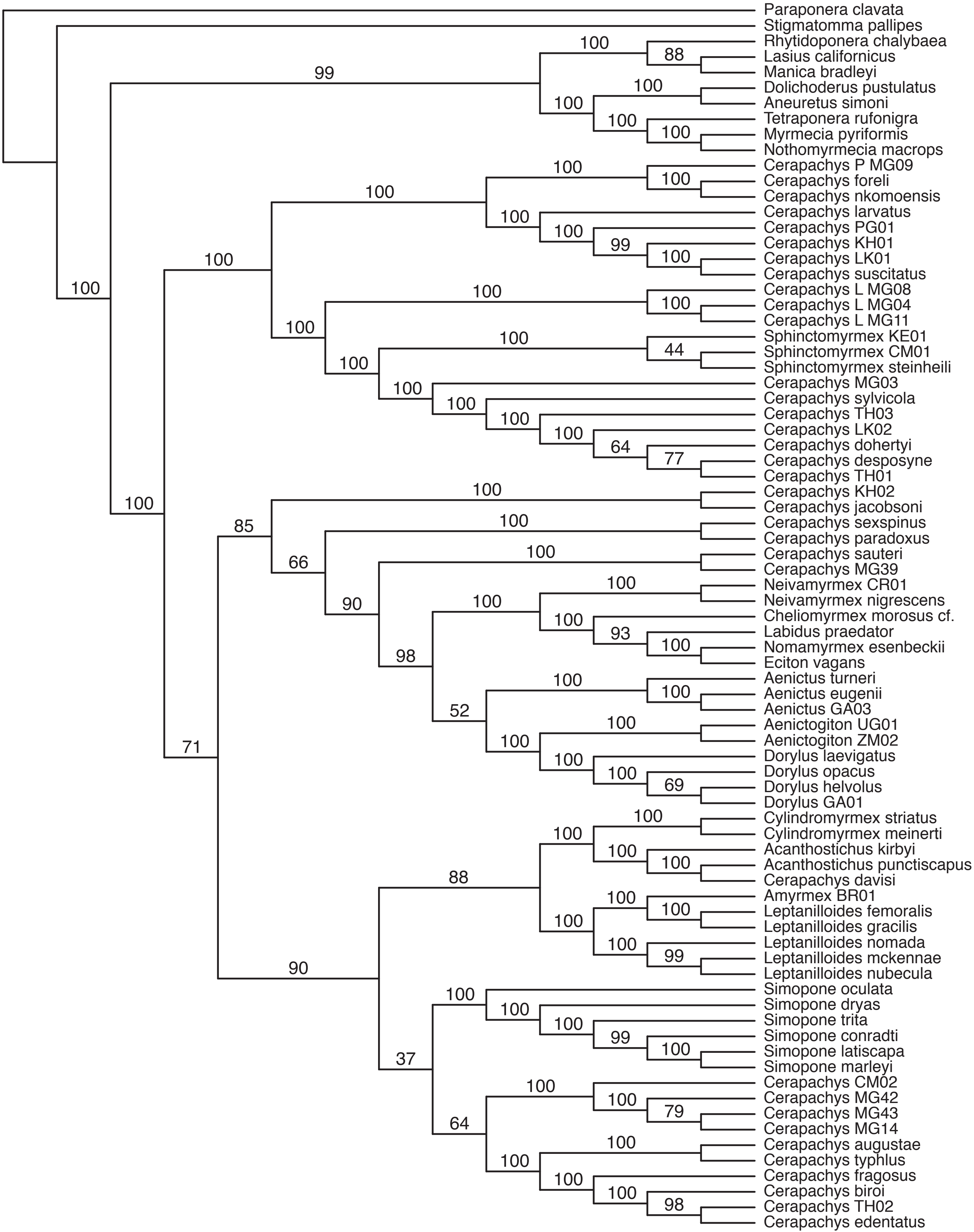
Majority-rule consensus tree



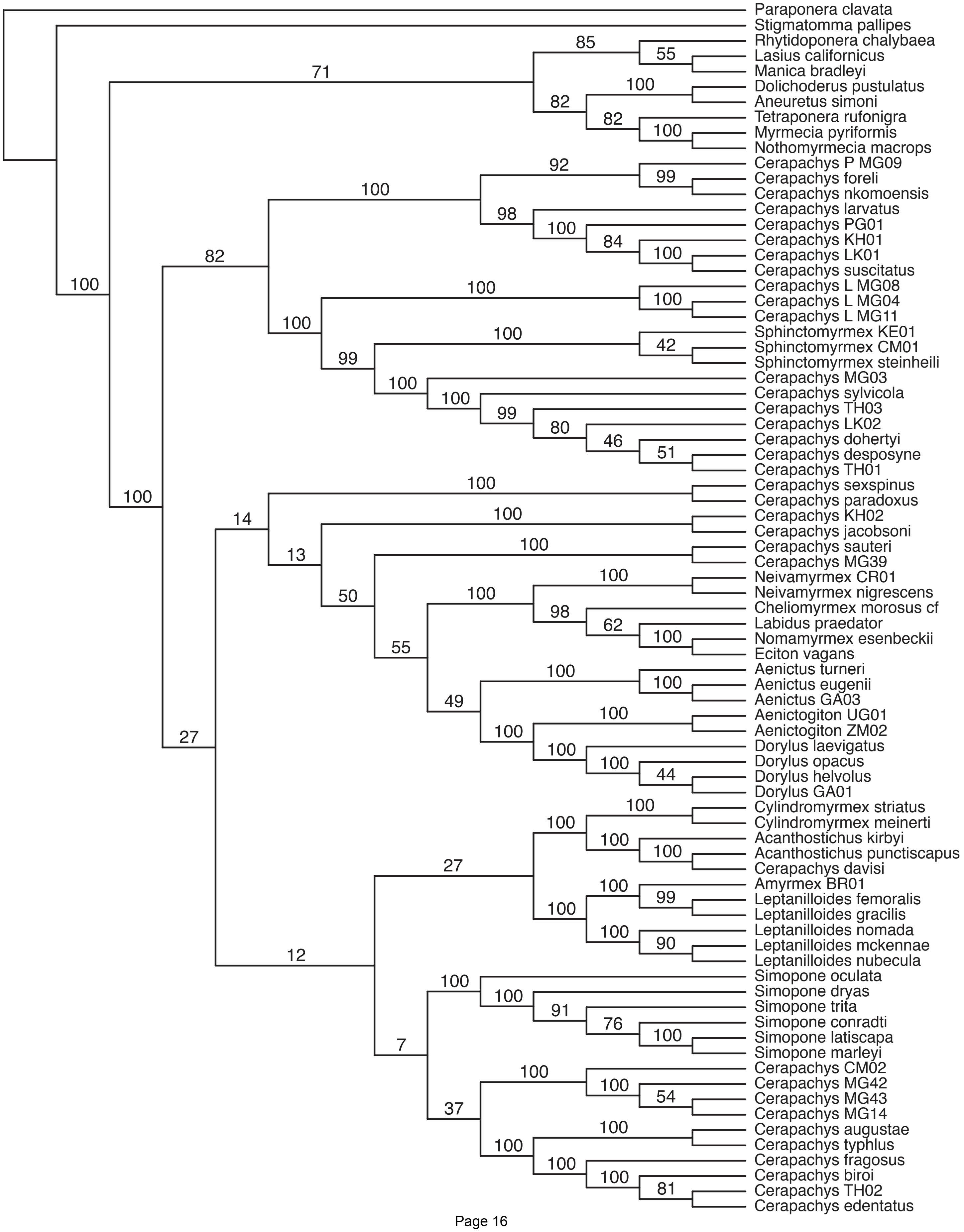
ML codon model, 10 partitions (by gene), best of 10 searches, lnL=-101618.592264

bestREP2

Dory79, 3rd positions coded ACTG, Bayesian, 100M gens, Run1 burnin=20M, Run2 burnin=80M
Majority-rule consensus tree

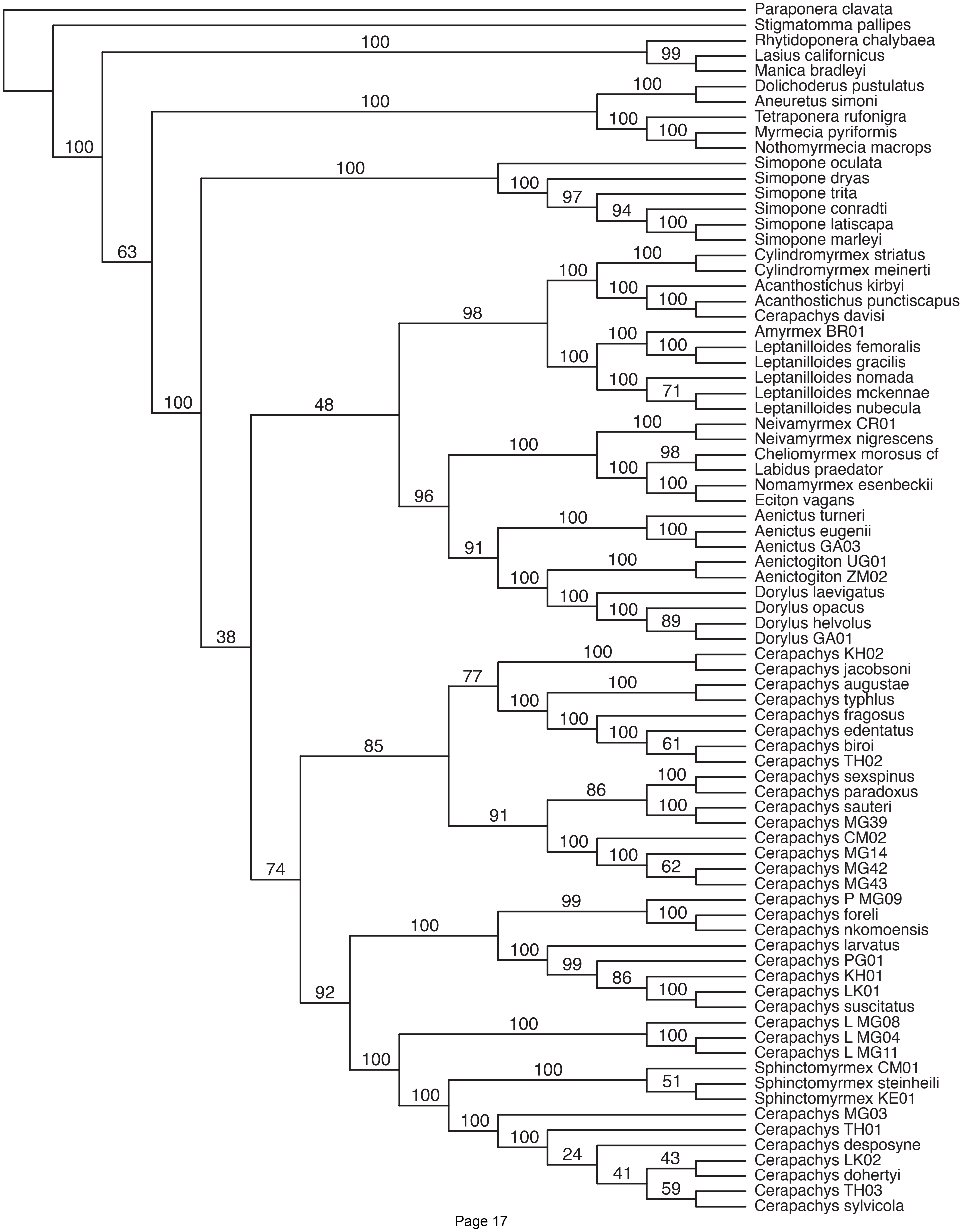


Dory79 (4 wildcard taxa excluded), 3rd positions coded normally (ACTG), MLBS, 1280 pseudoreps
Majority-rule consensus tree



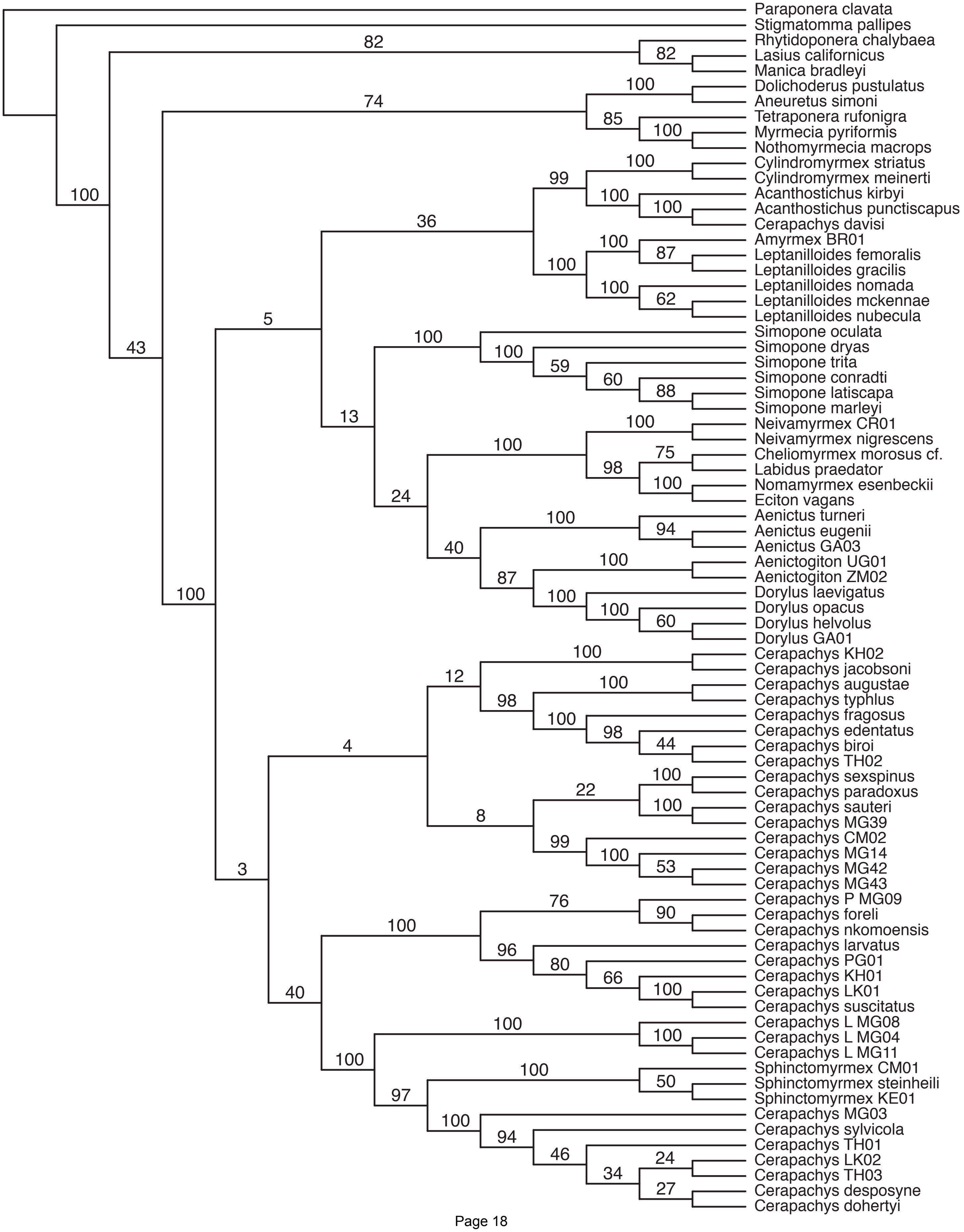
Dory79, all pos3s coded RY, Bayesian, 100M gens, burnin=60M

Majority-rule consensus tree



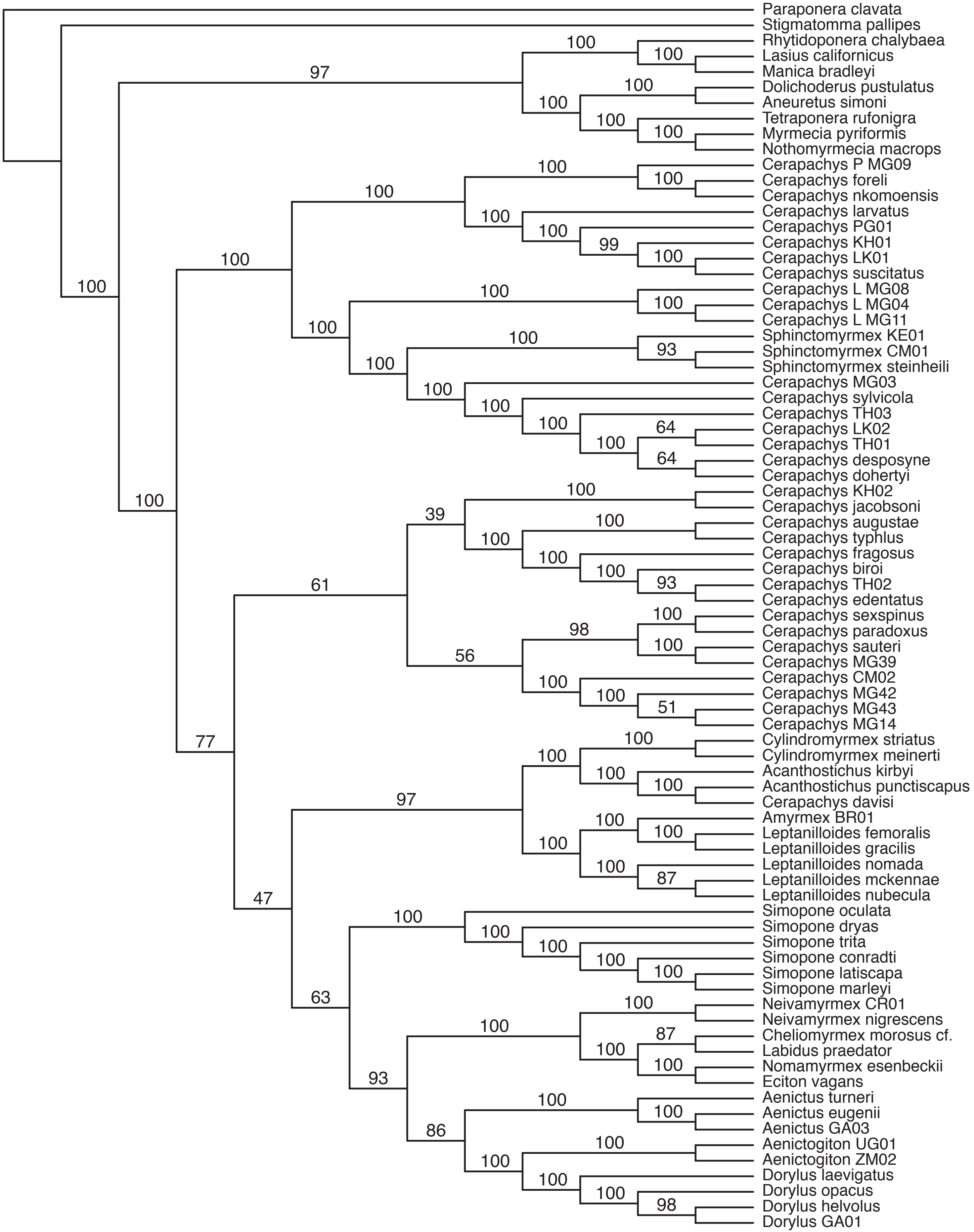
Dory79 (4 wildcard taxa excluded), all 3rd positions coded RY, MLBS, 1022 pseudoreps

Majority-rule consensus tree



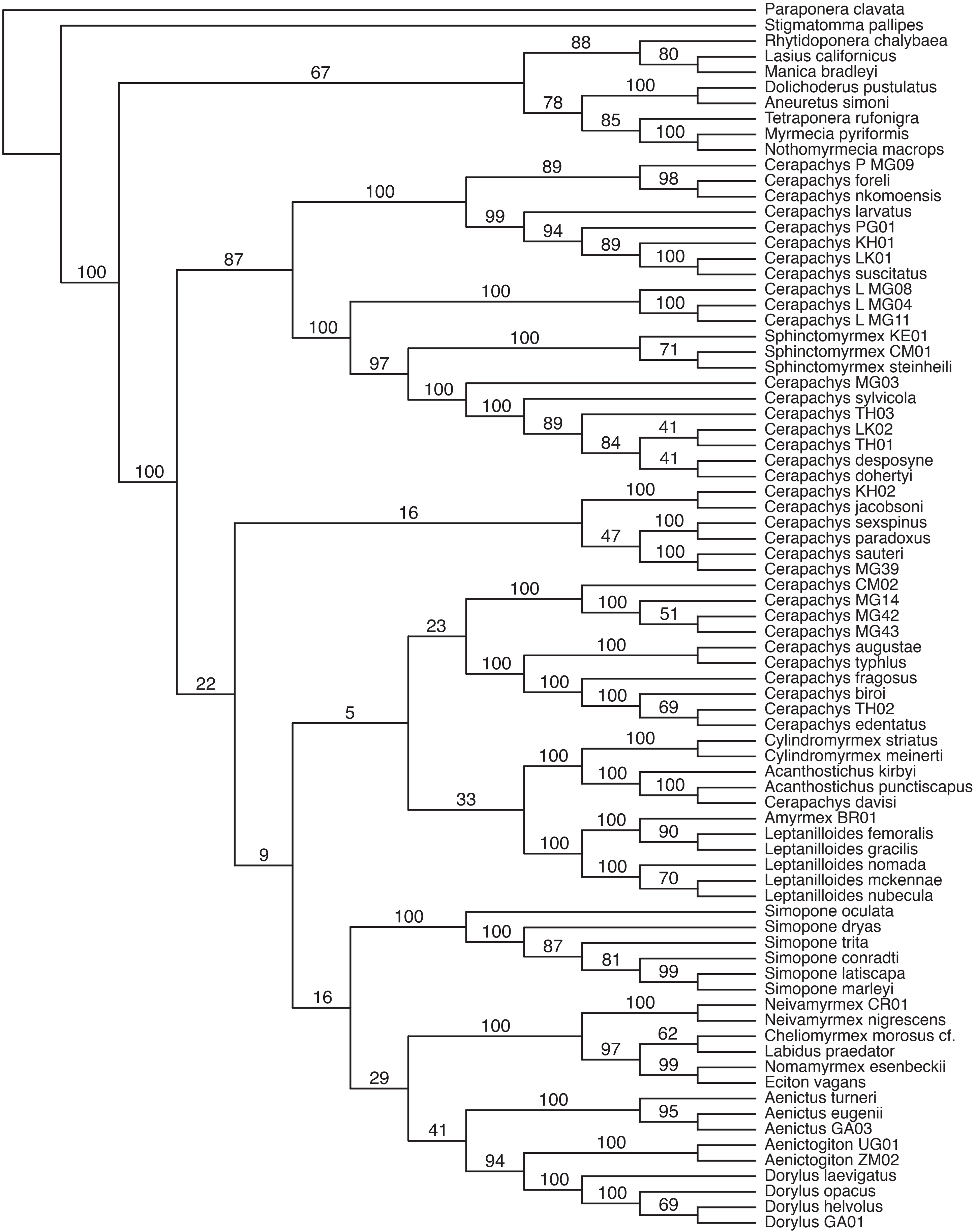
Dory79, subset of 3rds coded RY, Bayesian 100M gens, Run2sr2 bi=50M, best of 4 runs, stationarity, others did not converge

Majority-rule consensus tree



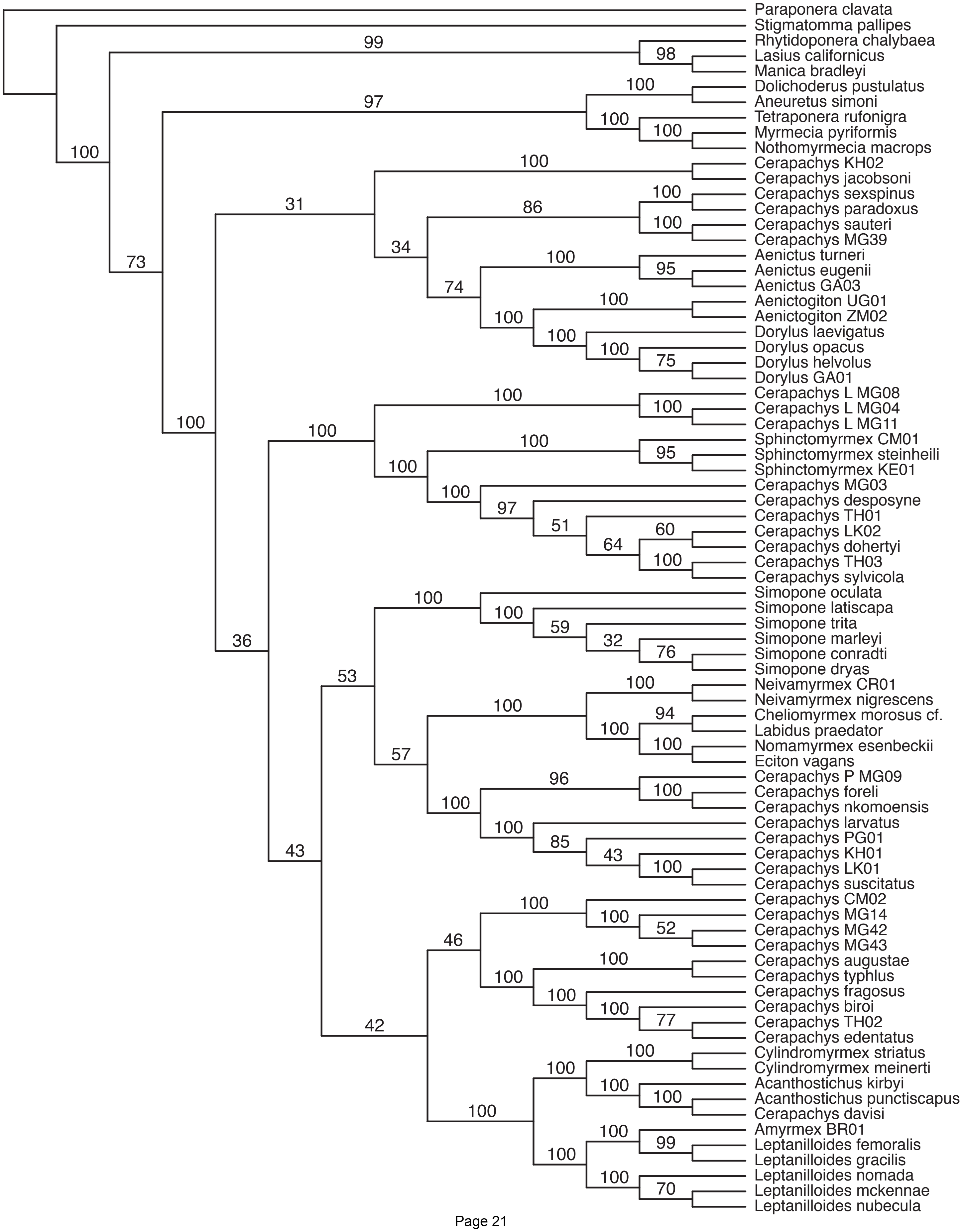
Dory79, subset of pos3s RY coded, partitioned MLBS, 1070 pseudoreps

Majority-rule consensus tree



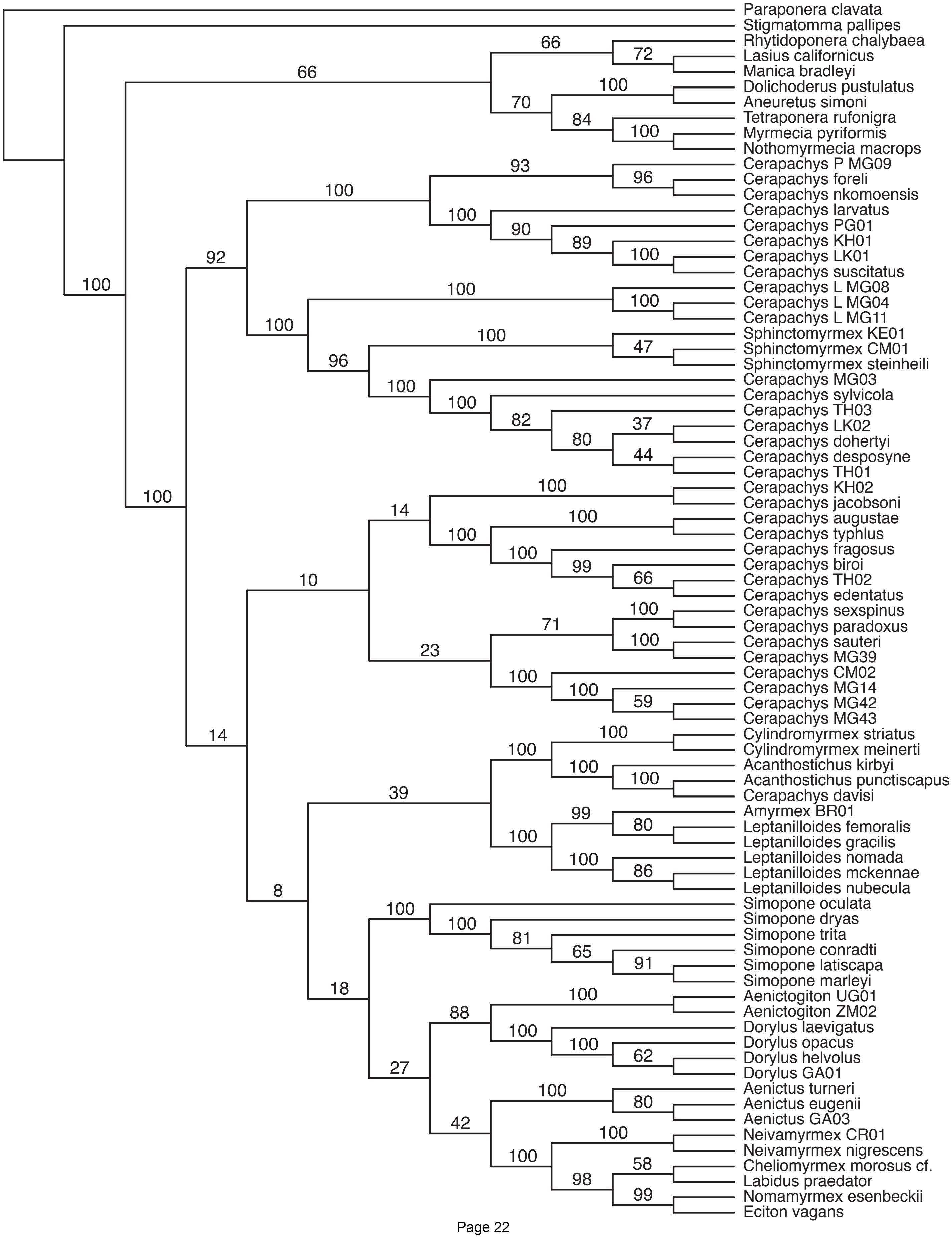
Dory79 (4 wildcard taxa excluded), Bayesian, 50M, burnin=5M, clear stationarity

Majority-rule consensus tree



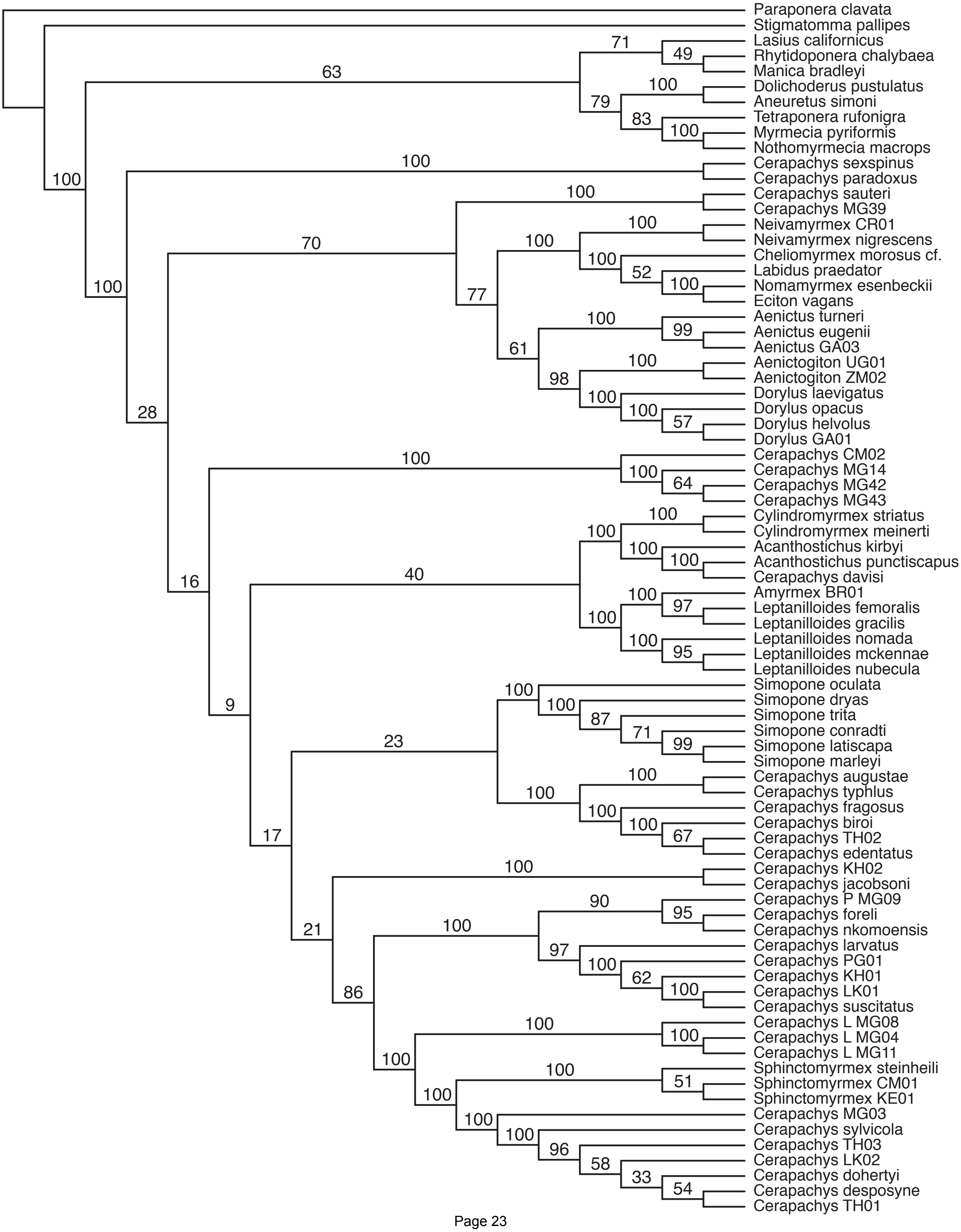
Dory79, pos3s excluded, partitioned MLBS, 1070 pseudoreps

Majority-rule consensus tree



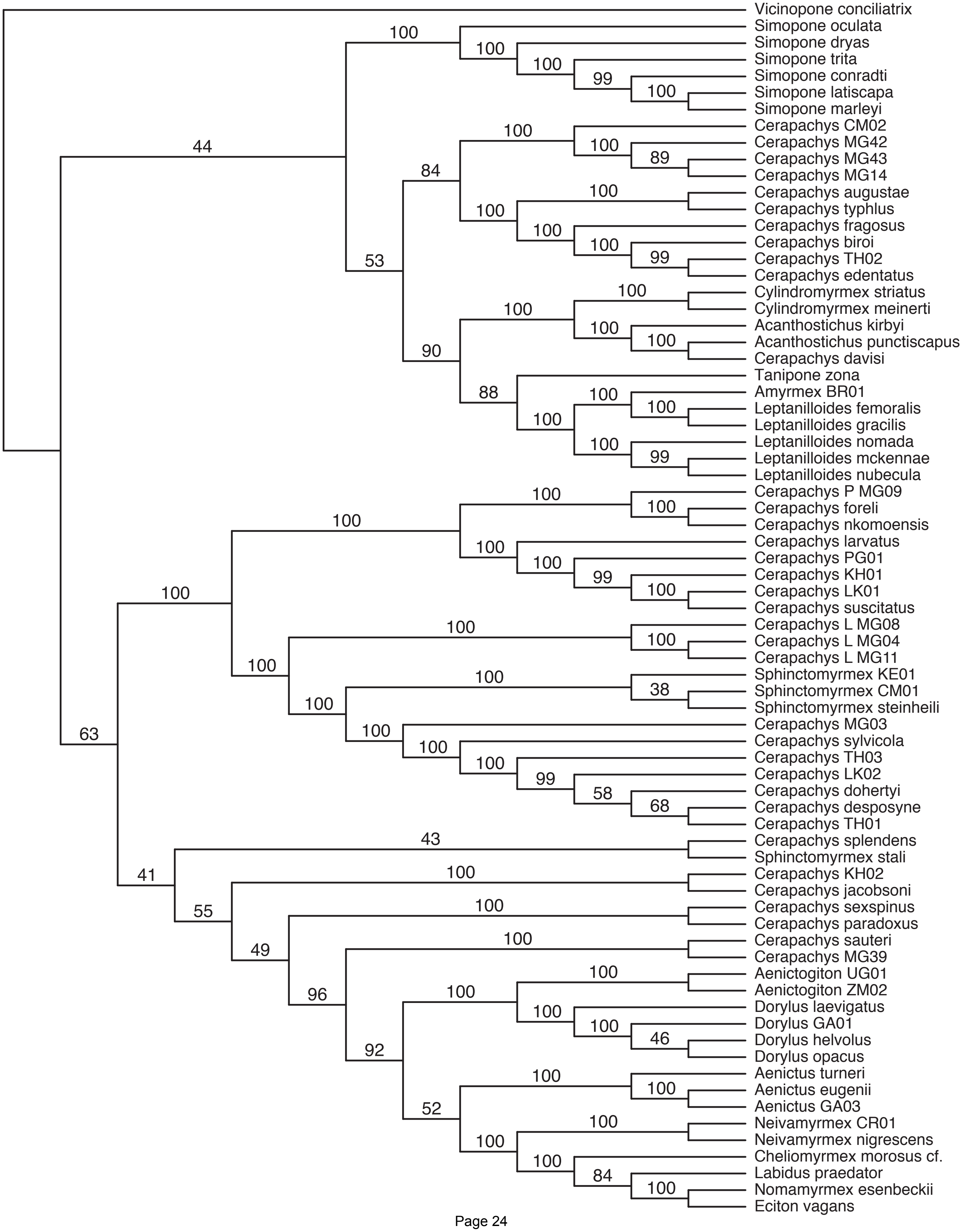
Dory79, codon model, MLBS, 209 pseudoreps

Majority-rule consensus tree



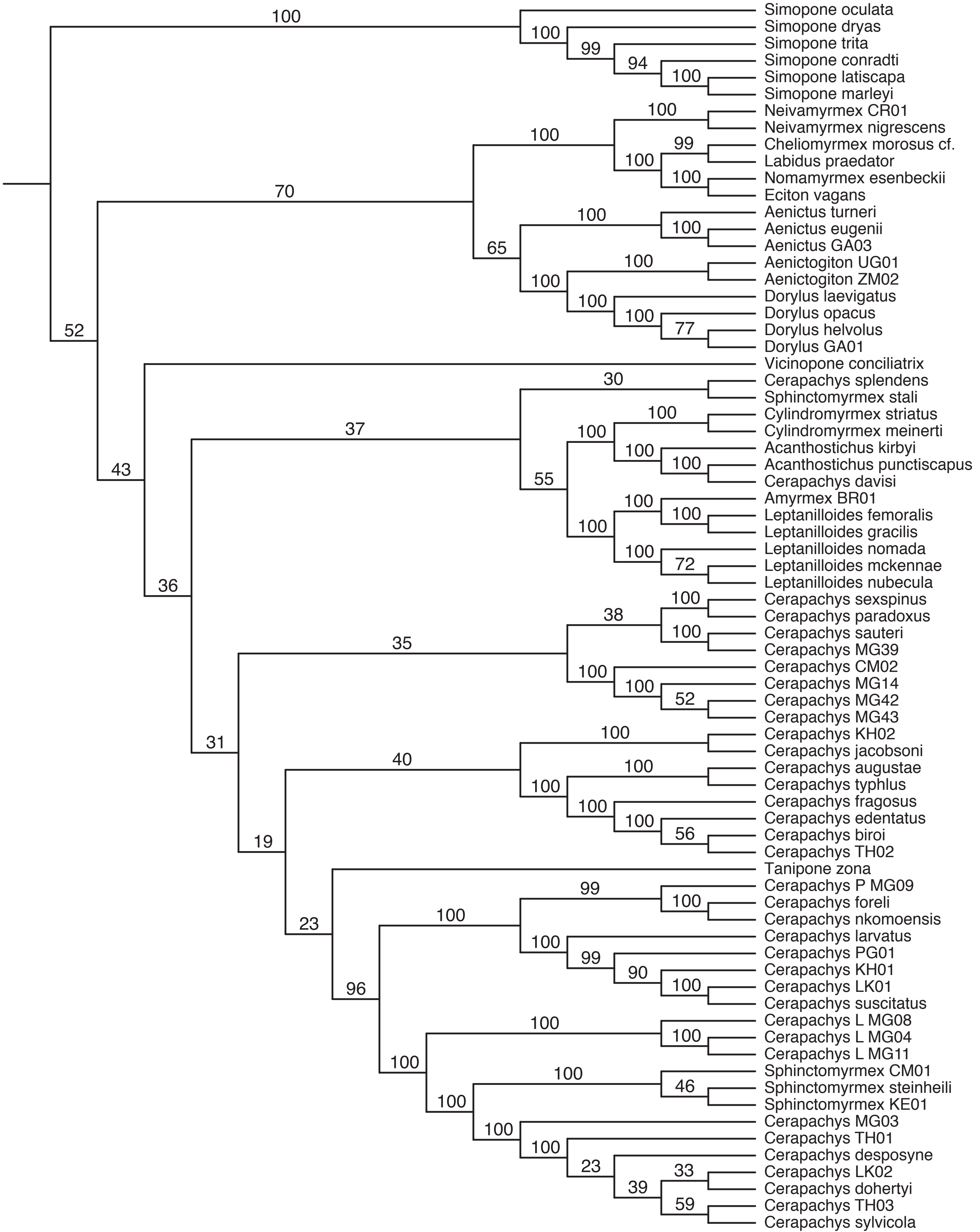
Dory73 ingroup only, pos3 coded ACTG, MB 50M, burnin=20M

Majority-rule consensus tree



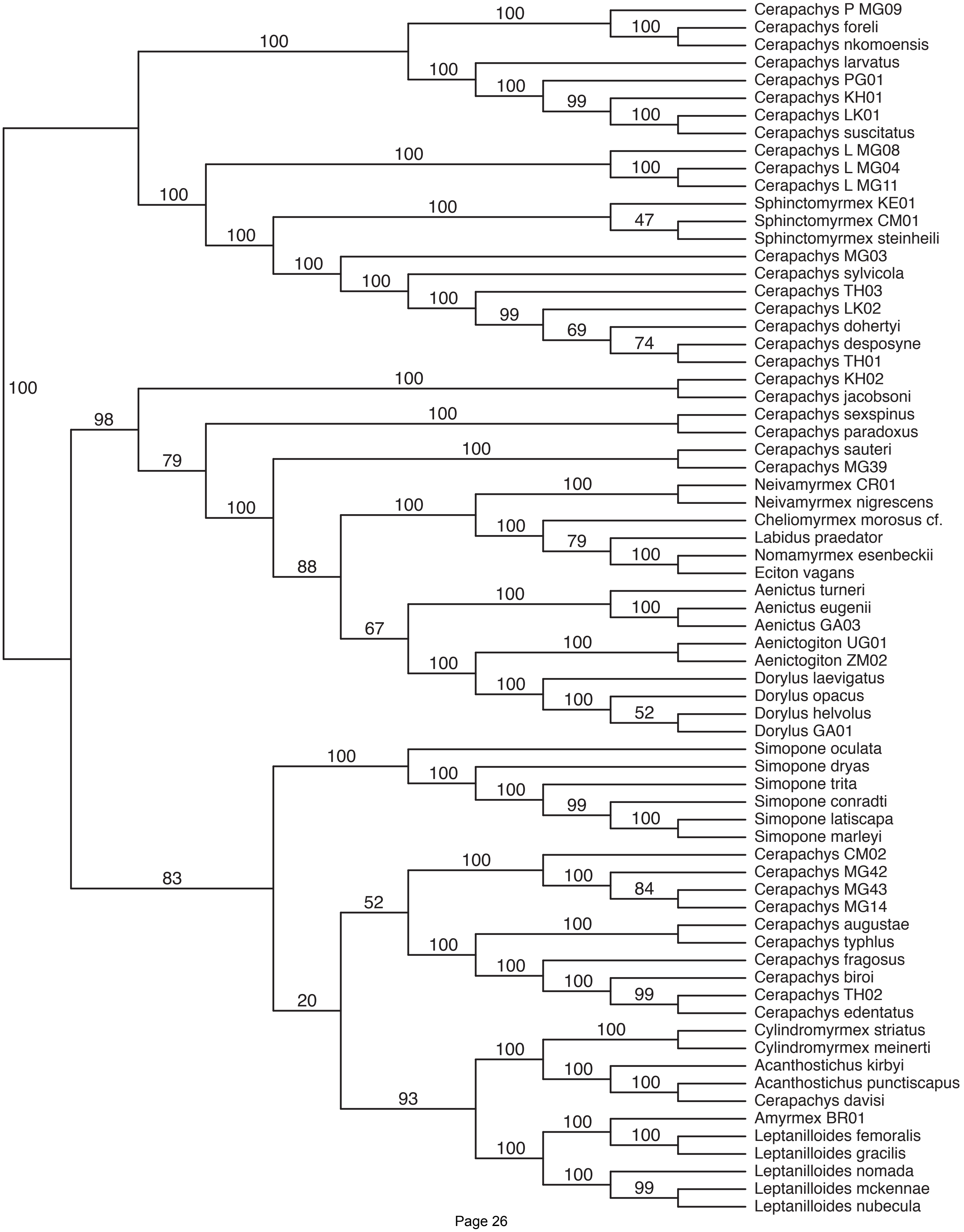
Dory73 ingroup only, all pos3s coded RY, MB 50M, burnin=20M, rooted like outgroup + ingroup analysis

Majority-rule consensus tree



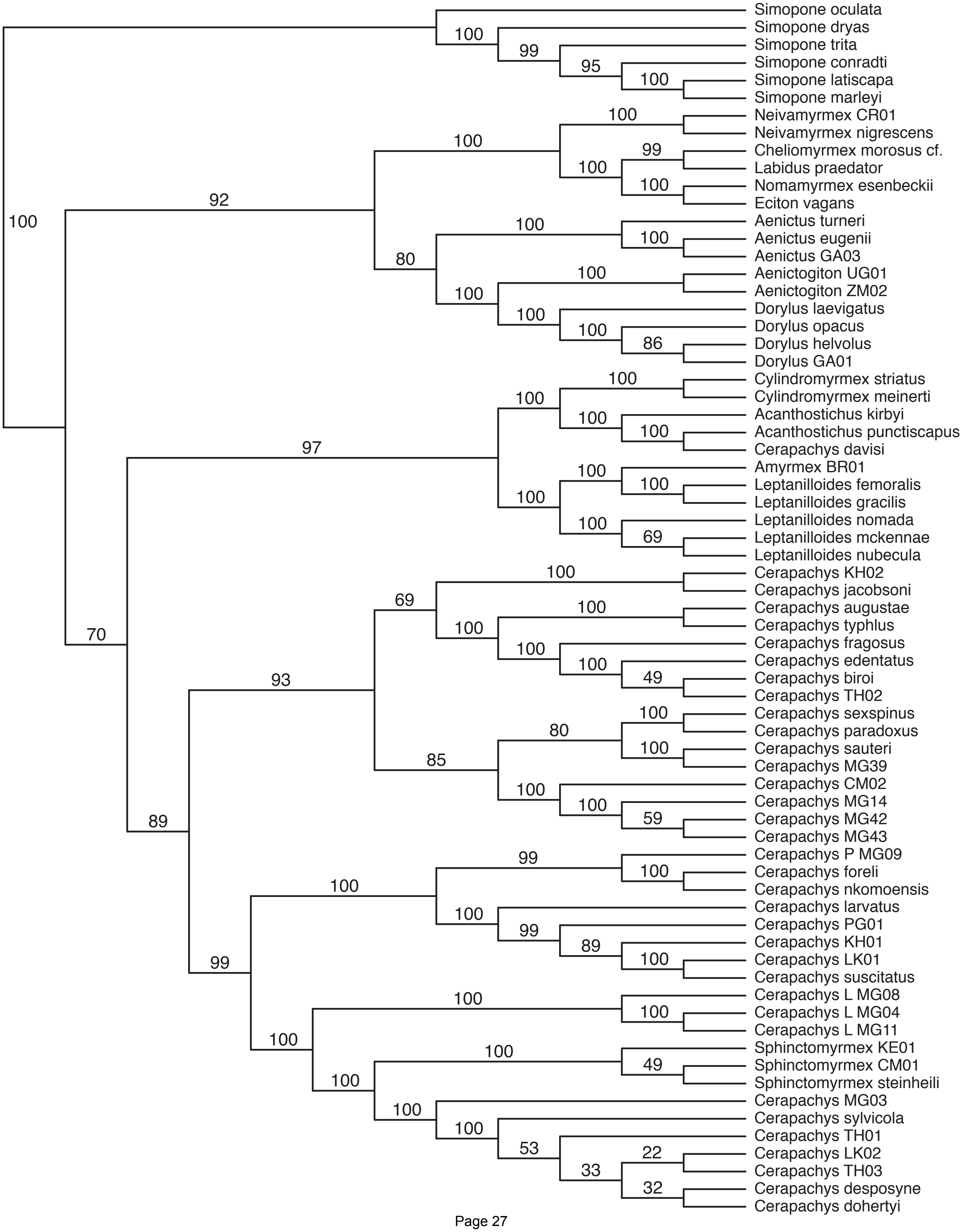
Dory69 ingroup only, all pos3s coded ACTG, MB 100M, burnin=80M, rooted like outgroup + ingroup analysis

Majority-rule consensus tree



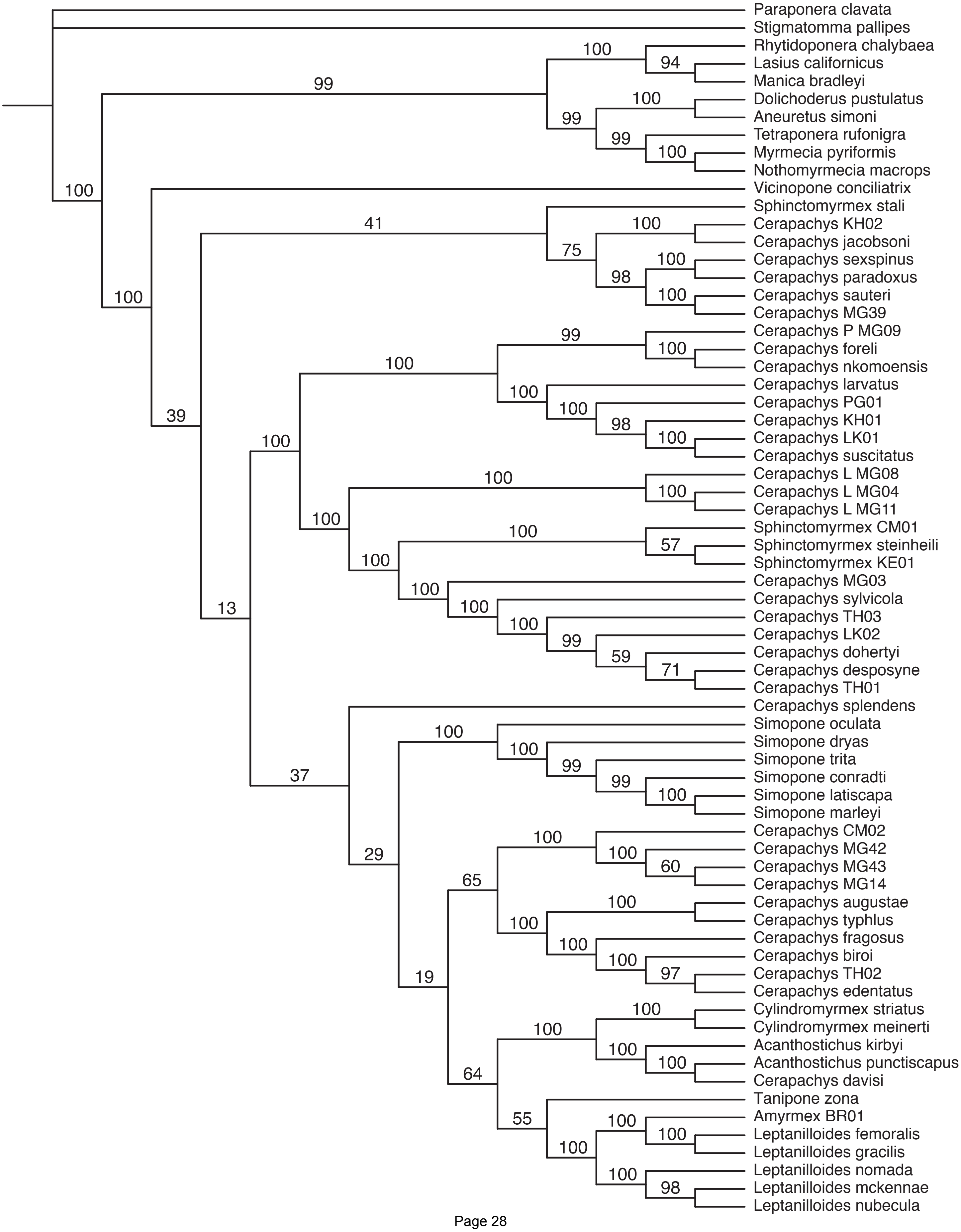
Dory69 ingroup only, all pos3s coded RY, MB 100M, burnin=25M, rooted like outgroup + ingroup analysis

Majority-rule consensus tree



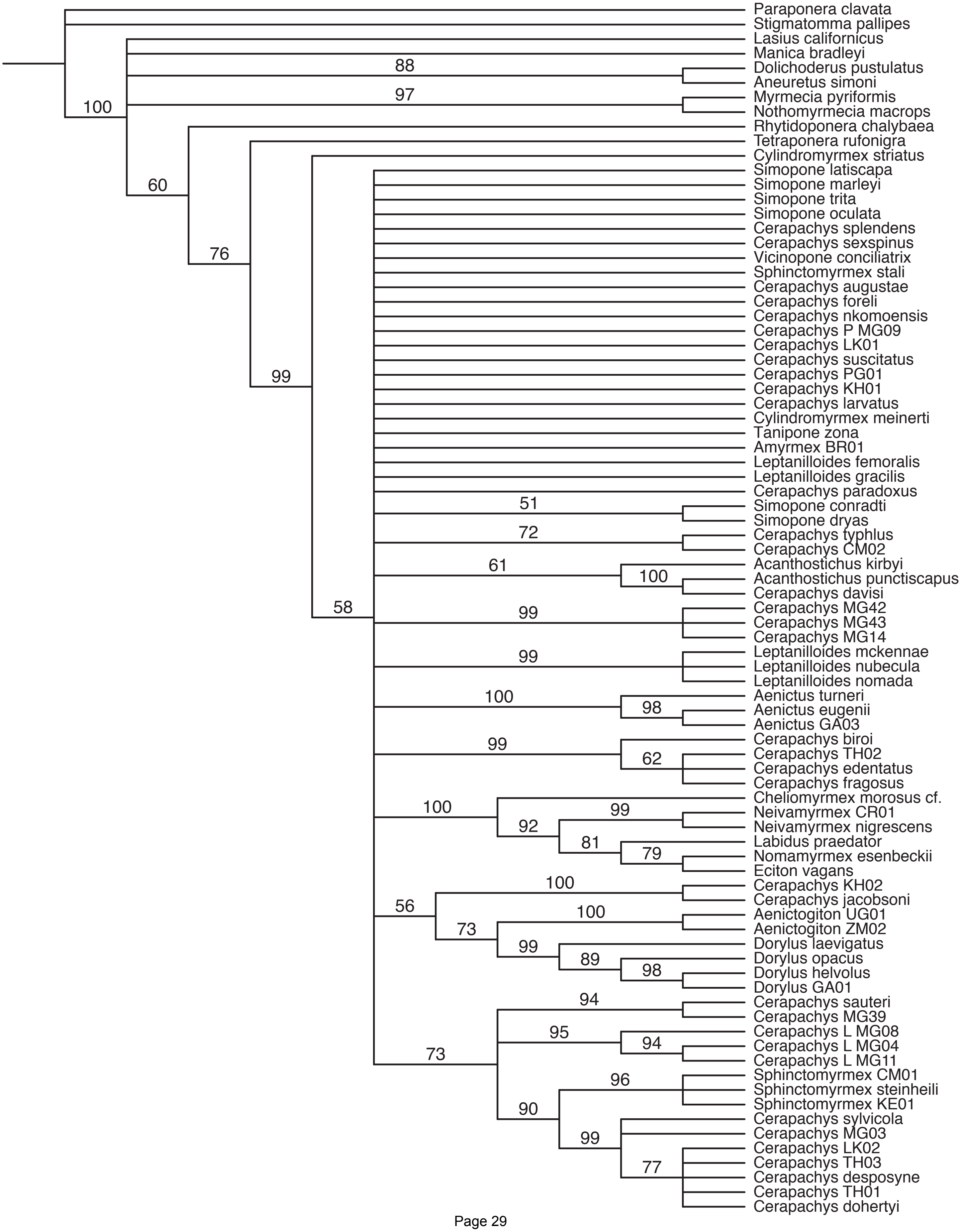
Dorylinae68, army ants excluded, Bayesian nuc models, 50M gens, burnin=30M

Majority-rule consensus tree



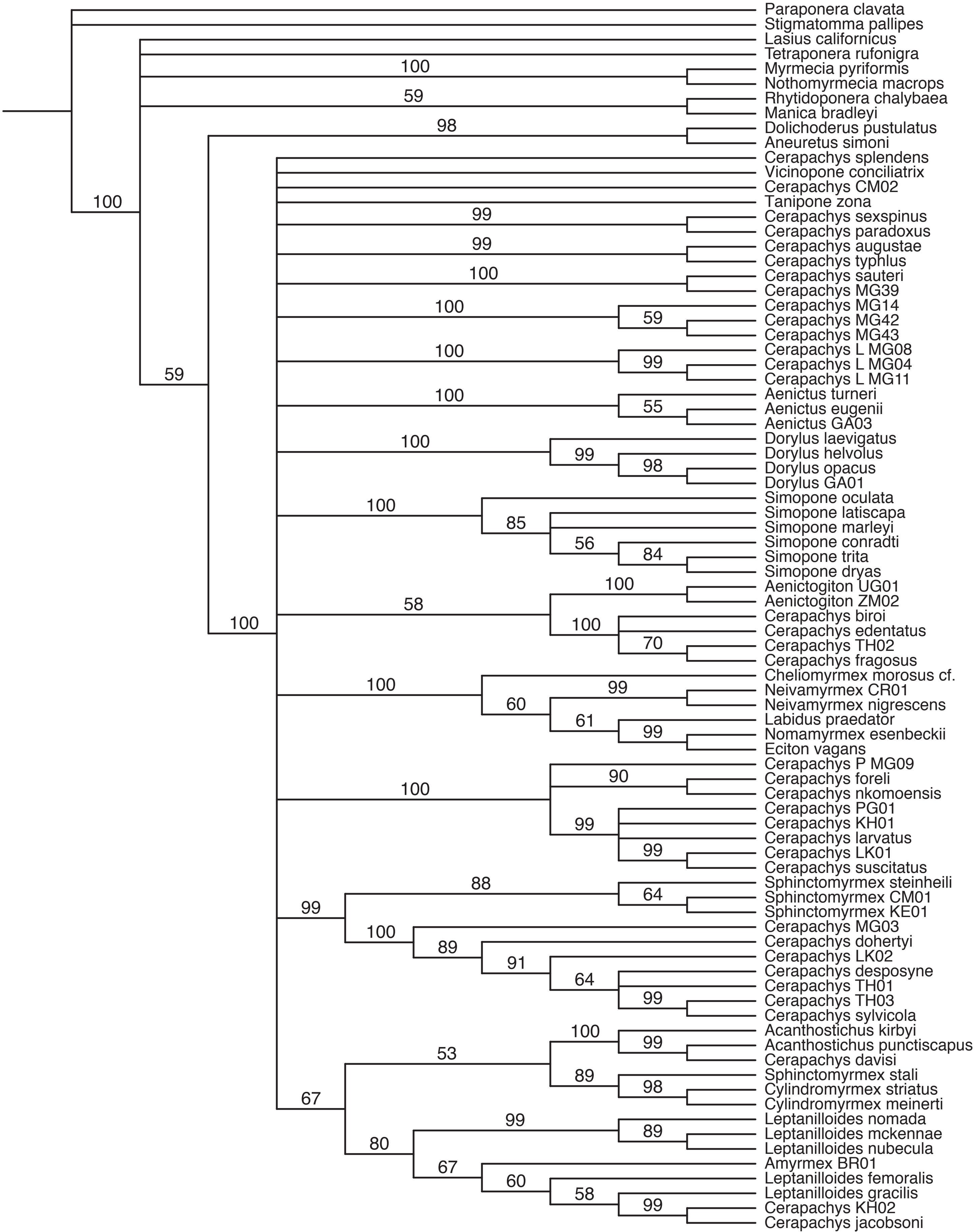
Dory83, 18S, Bayesian nuc model, 10M gens, burnin=1M

Majority-rule consensus tree



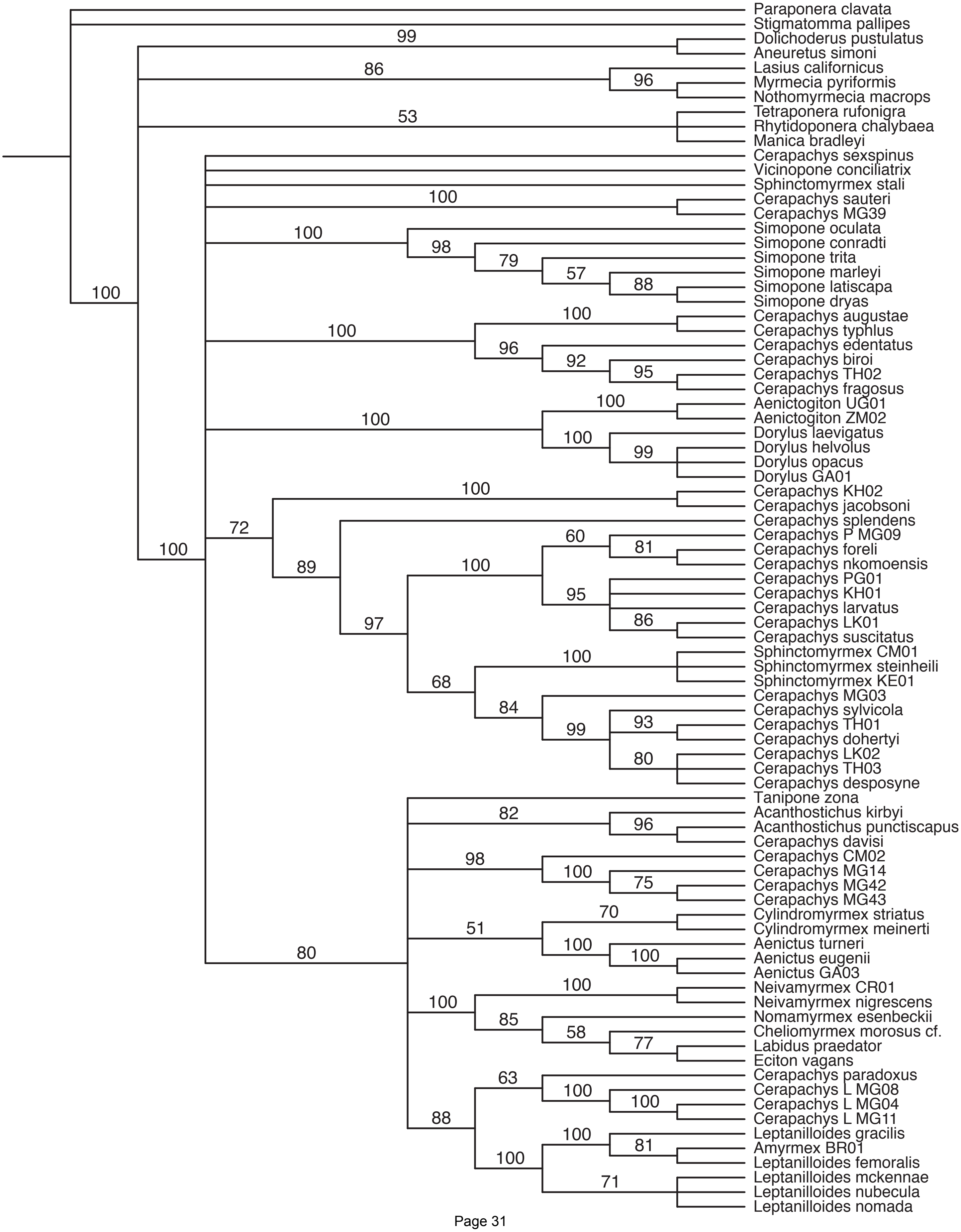
Dorylomorph 28S nuc model MB 10M gens burnin=1M

Majority-rule consensus tree



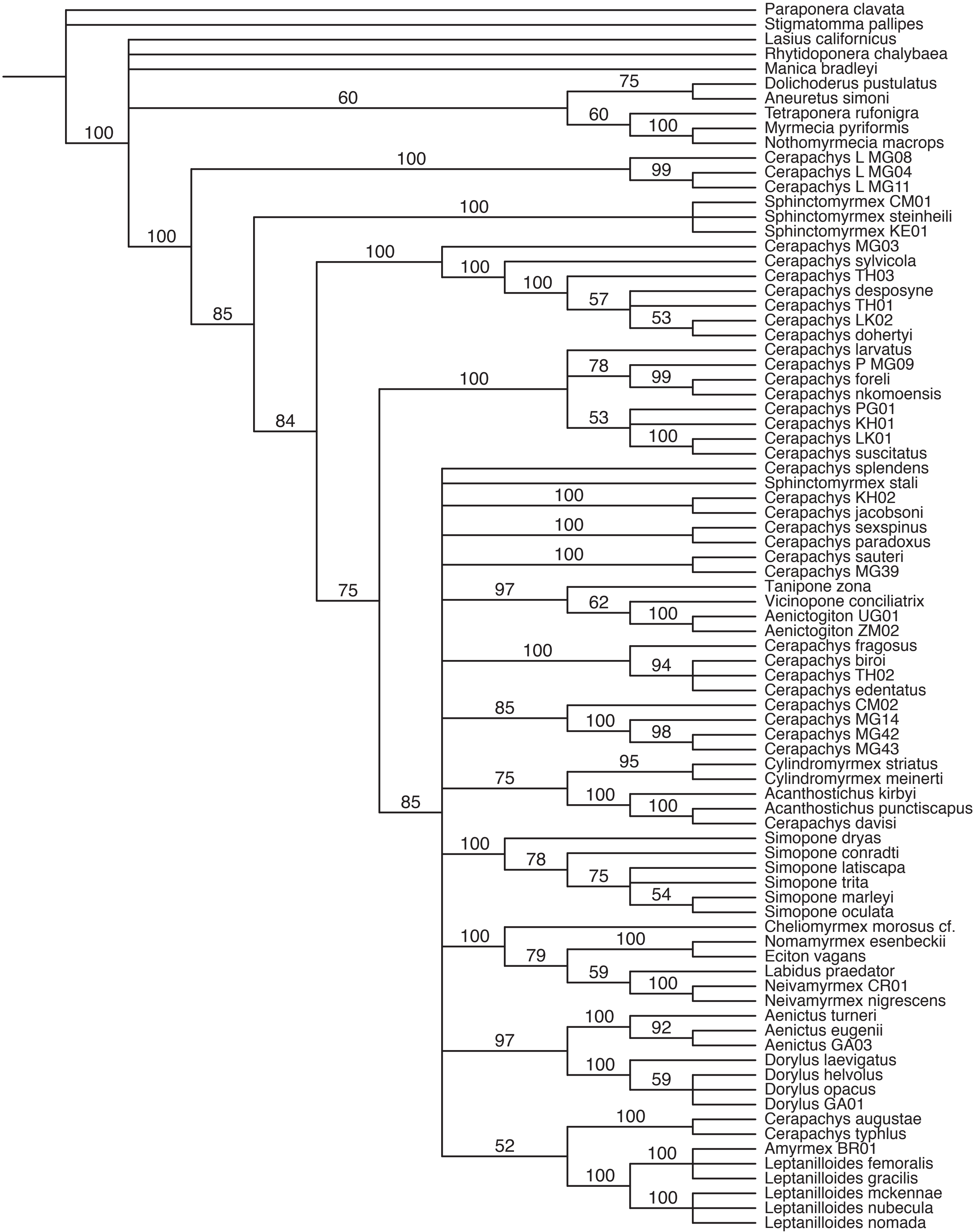
Dorylomorph abdA nuc models MB 10M gens burnin=1M

Majority-rule consensus tree



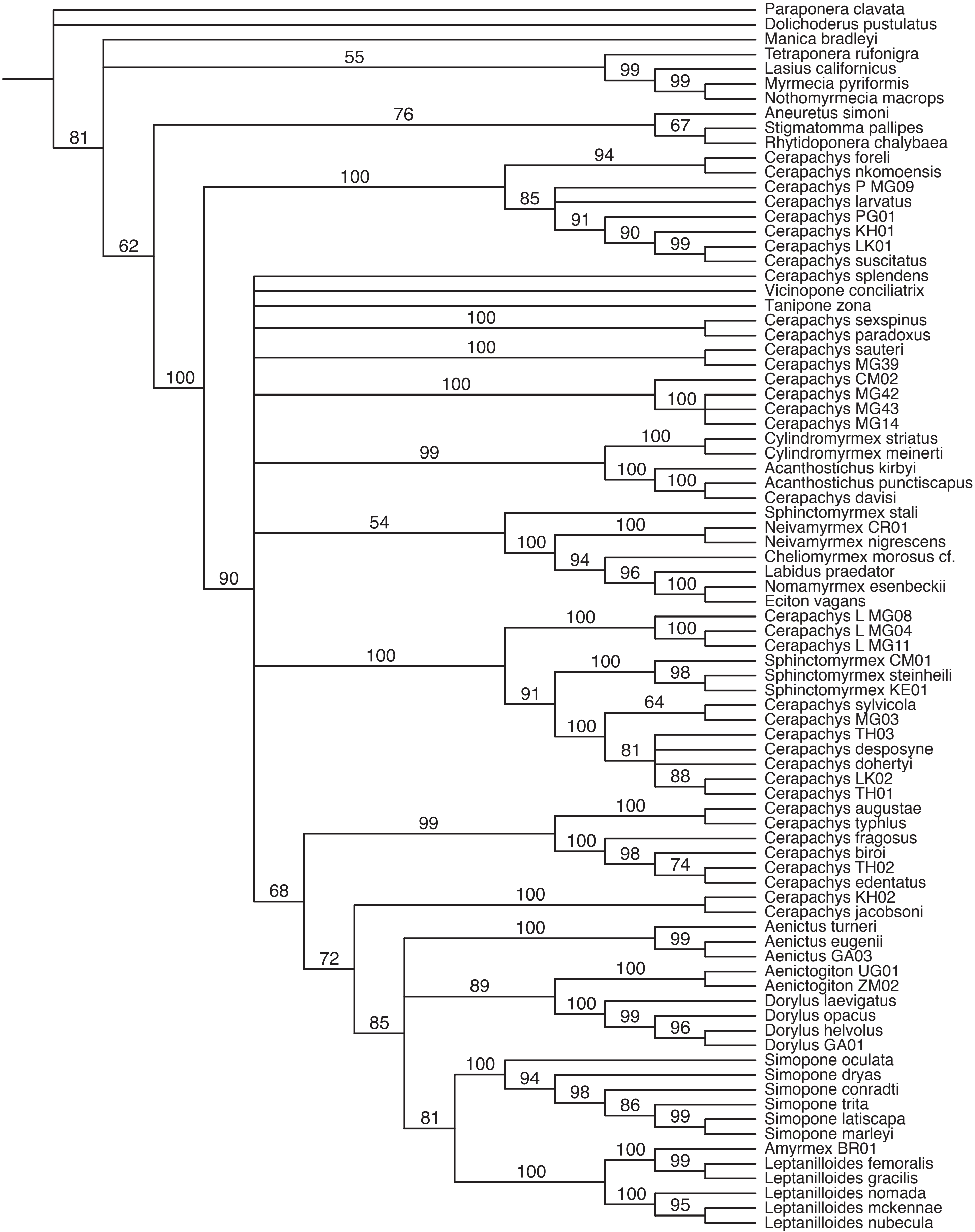
Dorylomorph 83 argK, Bayesian nuc model, 10M gens burnin=1M

Majority-rule consensus tree



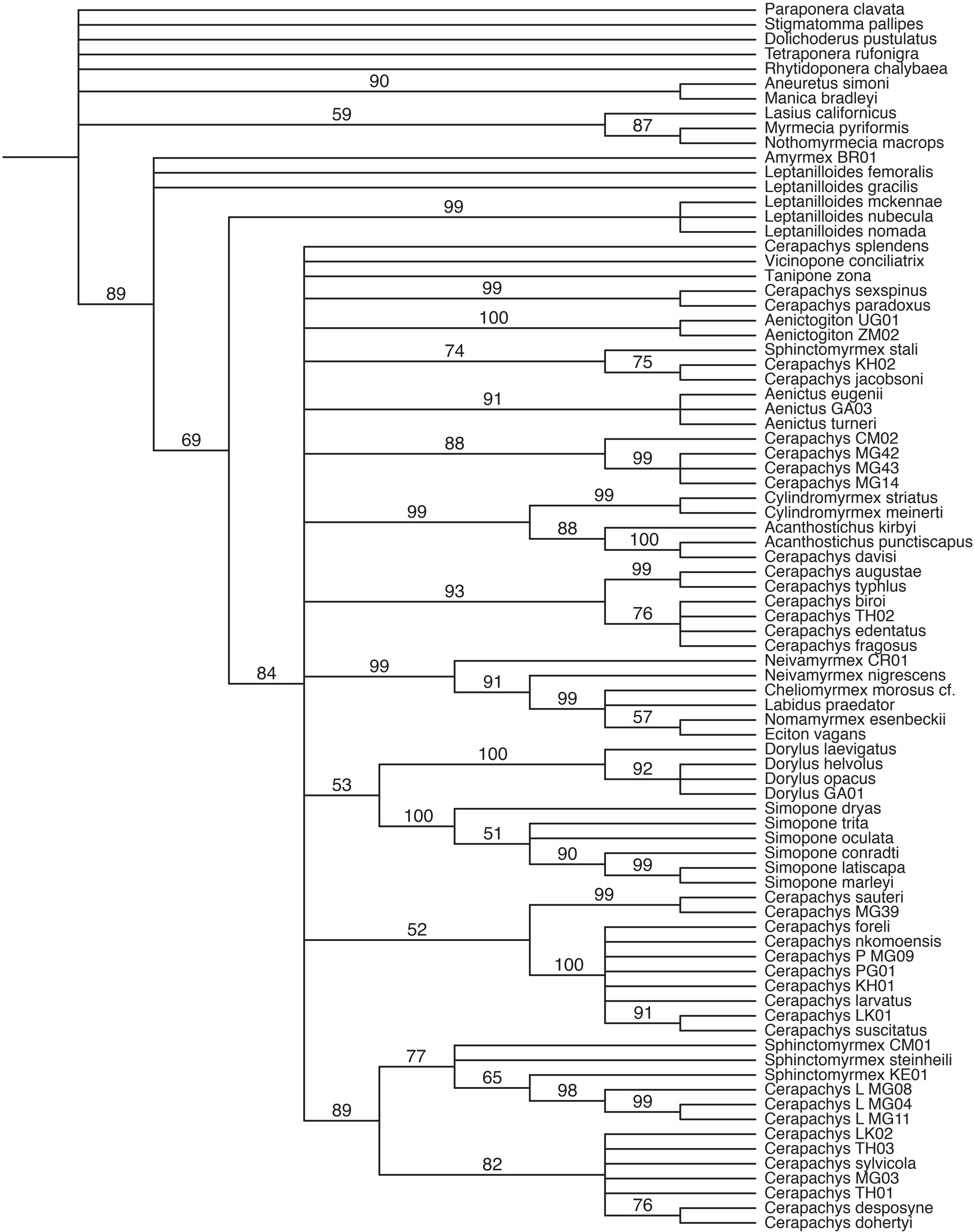
Dorylomorph 83 CAD, nuc model, mb 10M burnin=1M

Majority-rule consensus tree



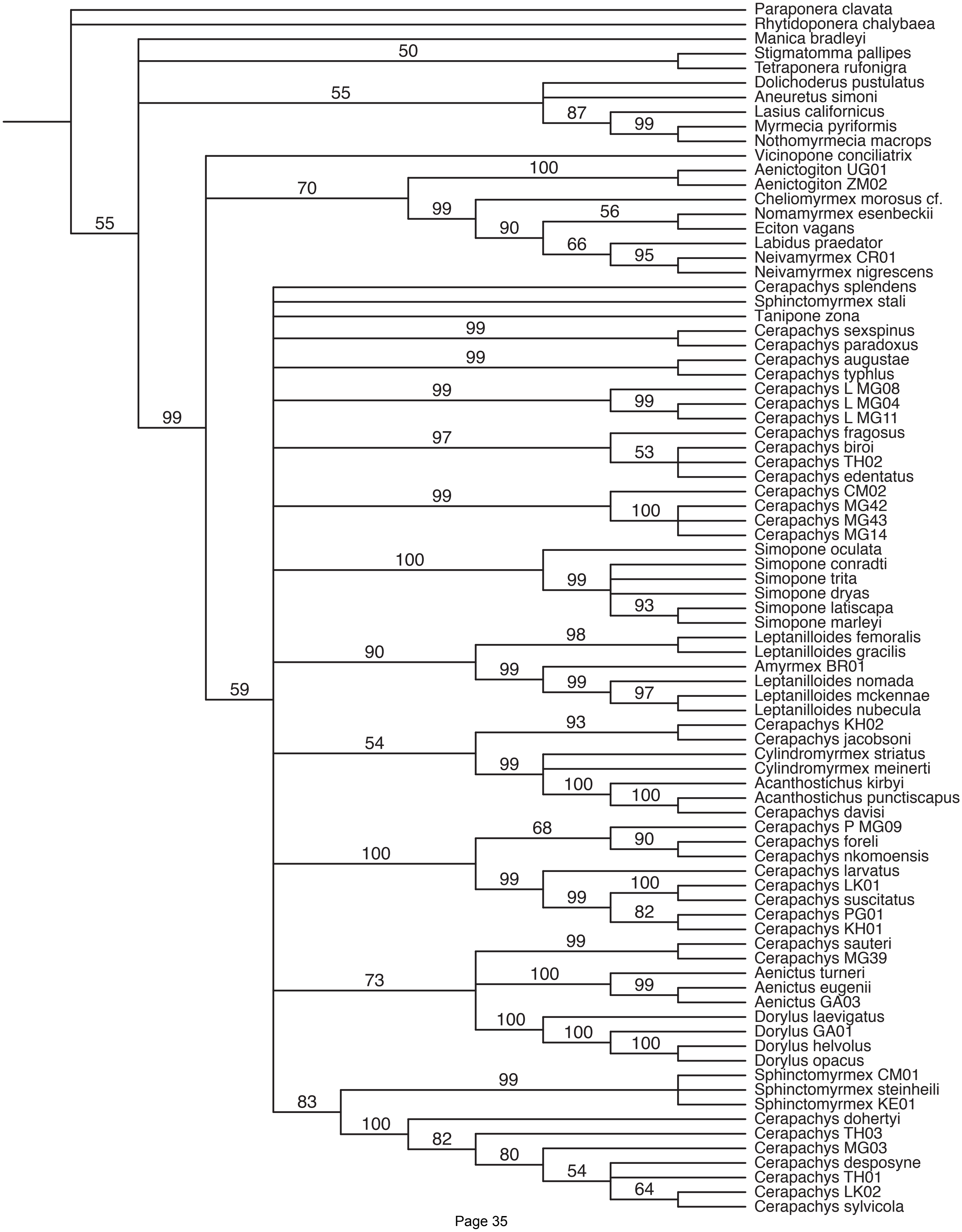
Dorylomorph 83 EF1aF1, nuc model, mb 10M burnin=1M

Majority-rule consensus tree



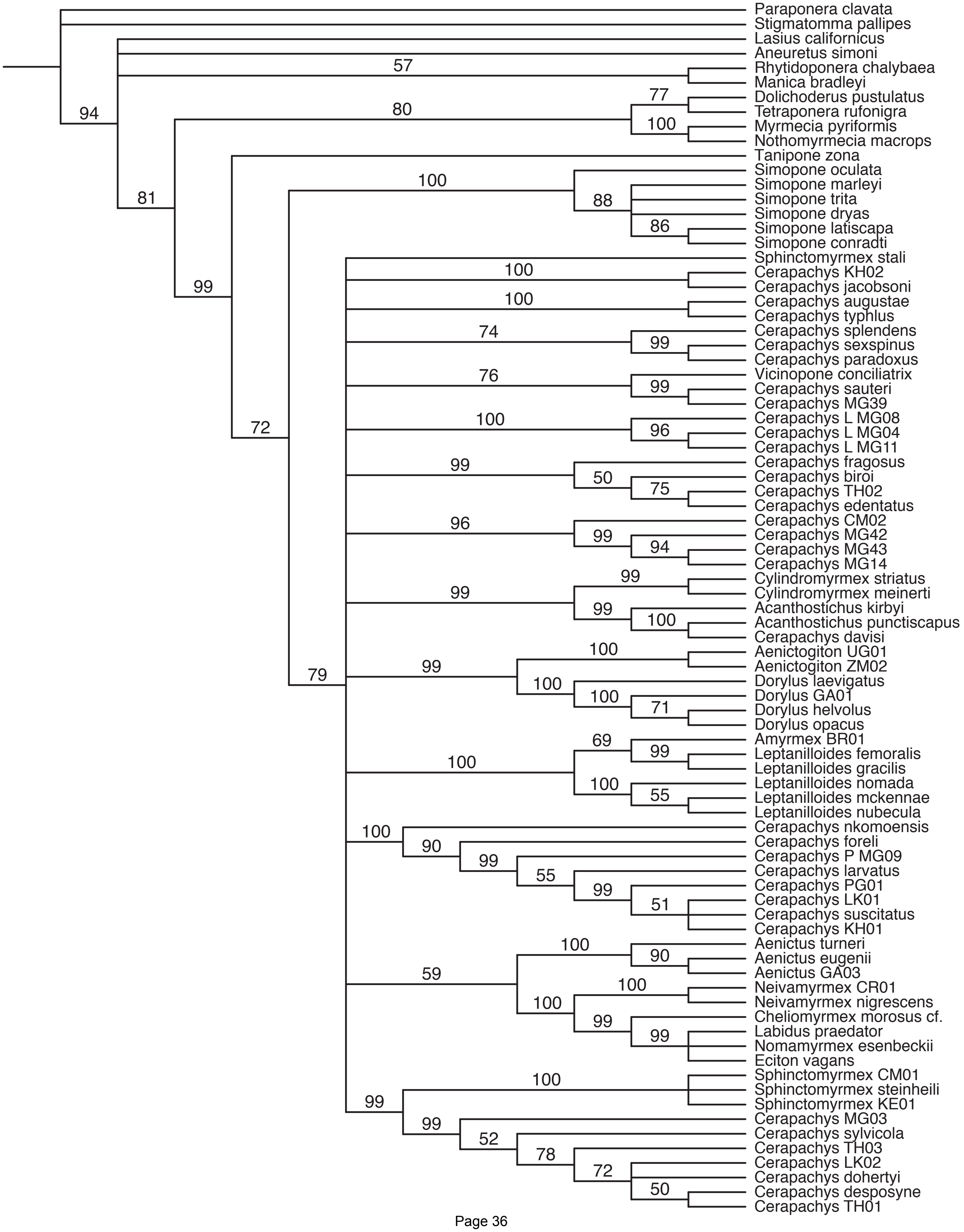
Dorylomorph 83 EF1aF2, nuc model, mb 10M burnin=1M

Majority-rule consensus tree



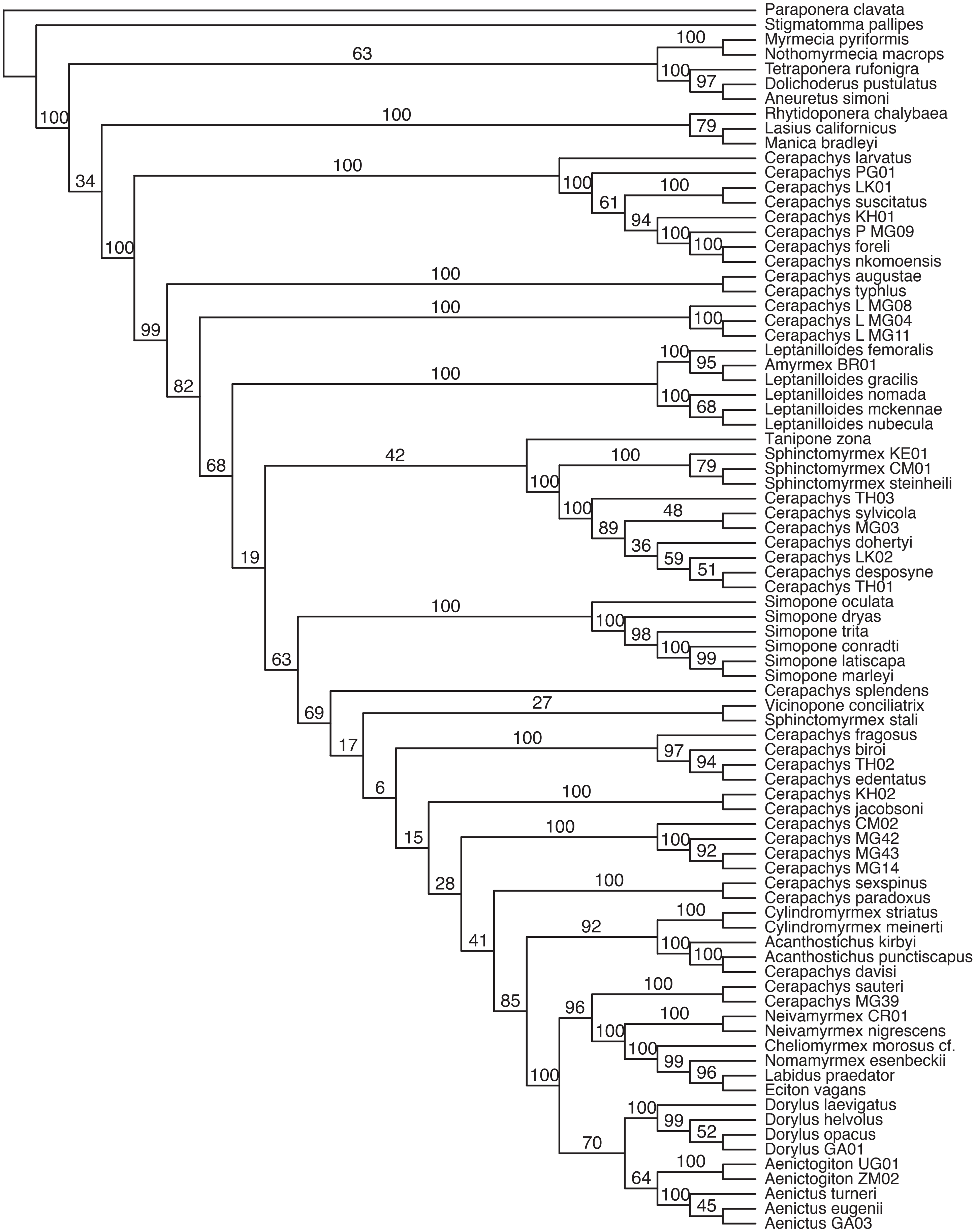
Dorylomorph 83 LWRh, nuc model, mb 10M burnin=1M

Majority-rule consensus tree



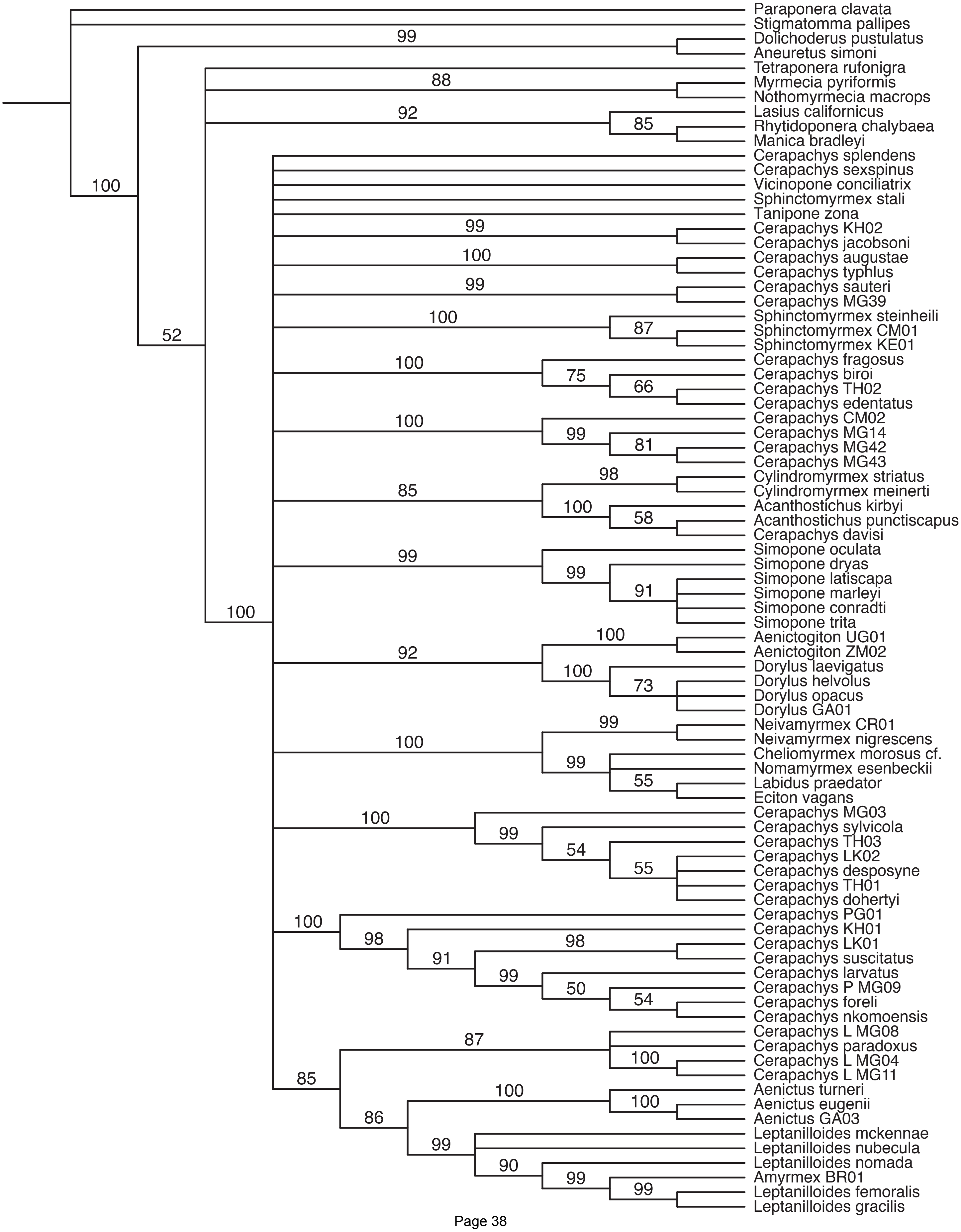
Dorylomorph 83, Top1 single gene, 20M gens, burnin=2M, 2 runs converged

Majority-rule consensus tree



Dorylomorph 83 Ubx, nuc model, mb 10M burnin=1M

Majority-rule consensus tree



Dorylomorph 83 wg, nuc model, mb 10M burnin=1M

Majority-rule consensus tree