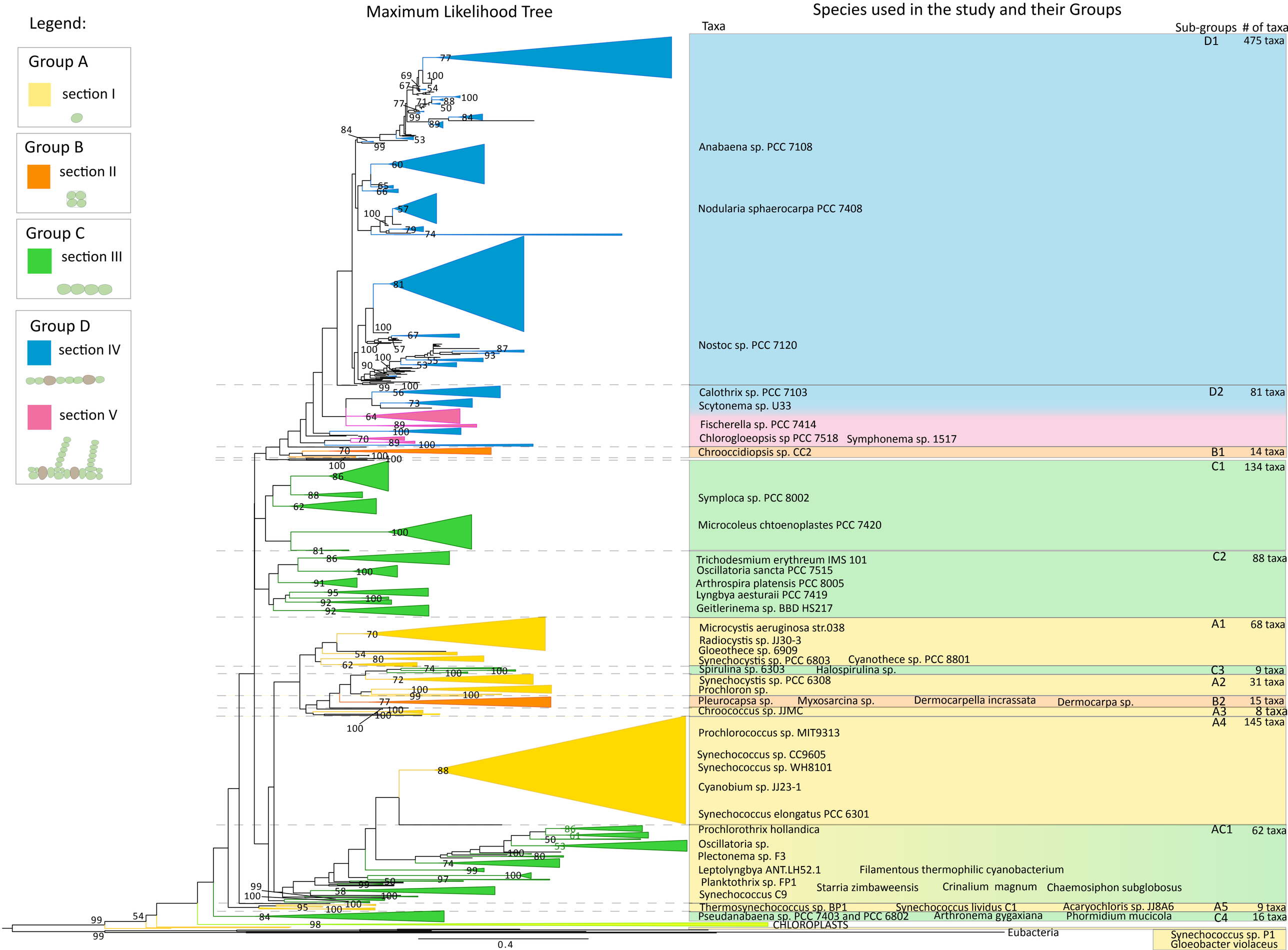
Legend:
Group A
section I
Group B
section II
Group C
section III
Group D
section IV
section V
Maximum Likelihood Tree
Species used in the study and their Groups
Taxa
Sub-groups
# of taxa
D1
475 taxa
Anabaena sp. PCC 7108
Nodularia sphaerocarpa PCC 7408
Nostoc sp. PCC 7120
D2
81 taxa
Calothrix sp. PCC 7103
Scytonema sp. U33
Fischerella sp. PCC 7414
Chlorogloeopsis sp PCC 7518
Symphonema sp. 1517
B1
14 taxa
Chrooccidiopsis sp. CC2
C1
134 taxa
Symploca sp. PCC 8002
Microcoleus chtoenoplastes PCC 7420
C2
88 taxa
Trichodesmium erythreum IMS 101
Oscillatoria sancta PCC 7515
Arthrospira platensis PCC 8005
Lyngbya aesturaii PCC 7419
Geitlerinema sp. BBD HS217
A1
68 taxa
Microcystis aeruginosa str.038
Radiocystis sp. JJ30-3
Gloeothece sp. 6909
Synechocystis sp. PCC 6803
Cyanothece sp. PCC 8801
C3
9 taxa
Spirulina sp. 6303
Halospirulina sp.
A2
31 taxa
Synechocystis sp. PCC 6308
Prochloron sp.
B2
15 taxa
Pleurocapsa sp.
Myxosarcina sp.
Dermocarpella incrassata
Dermocarpa sp.
A3
8 taxa
Chroococcus sp. JJMC
A4
145 taxa
Prochlorococcus sp. MIT9313
Synechococcus sp. CC9605
Synechococcus sp. WH8101
Cyanobium sp. JJ23-1
Synechococcus elongatus PCC 6301
AC1
62 taxa
Prochlorothrix hollandica
Oscillatoria sp.
Plectonema sp. F3
Leptolyngbya ANT.LH52.1
Filamentous thermophilic cyanobacterium
Planktothrix sp. FP1
Starria zimbaweensis
Crinalium magnum
Chaemosiphon subglobosus
Synechococcus C9
A5
9 taxa
Thermosynechococcus sp. BP1
Synechococcus lividus C1
Acaryochloris sp. JJ8A6
C4
16 taxa
Pseudanabaena sp. PCC 7403 and PCC 6802
Arthronema gygaxiana
Phormidium mucicola
CHLOROPLASTS
Eubacteria
Synechococcus sp. P1
Gloeobacter violaceus
0.4