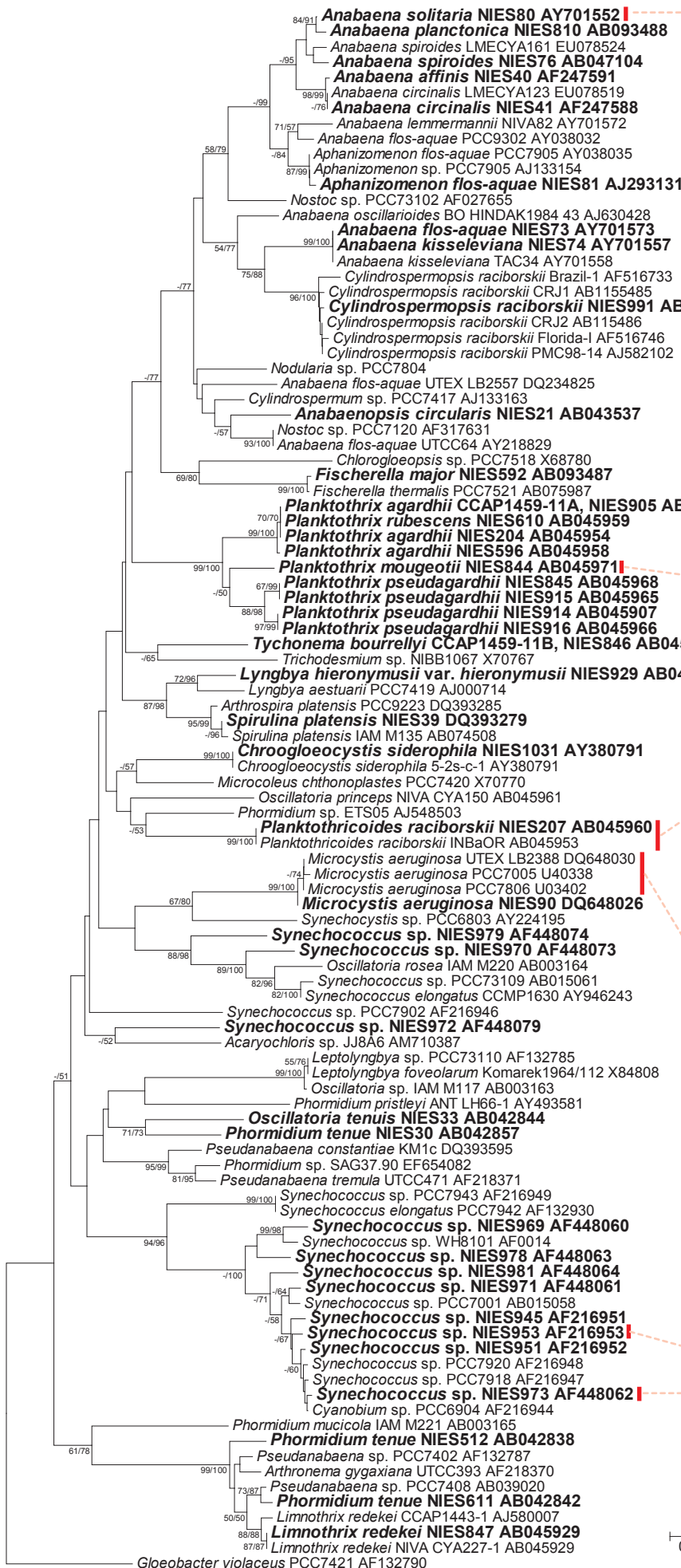


16SrDNA phylogenetic tree of cyanobacteria

NIES strains are directly linked to strain information



Anabaena solitaria clade

Anabaena solitaria NIES80 AF247594
Anabaena spiroides NIES78 AY701551

Cyndrospermopsis raciborskii clade

Cyndrospermopsis raciborskii NIES992 AB115488
Cyndrospermopsis raciborskii NIES993 AB115489

Planktothrix agardhii clade

Planktothrix agardhii NIES205 AB045955
Planktothrix agardhii NIES594 AB045956
Planktothrix agardhii NIES595 AB045957
Planktothrix agardhii NIES906 AB045904

Planktothrix mougeotii clade

Planktothrix mougeotii NIES911 AB045972
Planktothrix mougeotii NIES912 AB045969
Planktothrix mougeotii NIES913 AB045970

Planktothricoides raciborskii clade

Planktothricoides raciborskii NIES917 AB045953
Planktothricoides raciborskii NIES918 AB045967
Planktothricoides raciborskii NIES919 AB045964

Microcystis aeruginosa clade

Microcystis aeruginosa NIES87 D89031
Microcystis aeruginosa NIES89 U03403
Microcystis aeruginosa NIES98 D89032
Microcystis viridis NIES102 DQ648027
Microcystis viridis NIES102 U40332
Microcystis viridis NIES102 D89033
Microcystis wesenbergii NIES104 AJ133174
Microcystis wesenbergii NIES107 U40333
Microcystis wesenbergii NIES111 D89034
Microcystis wesenbergii NIES112 U40334
Microcystis aeruginosa NIES604 AB305067
Microcystis aeruginosa NIES843 AB035549
Microcystis novacekii NIES1054 AB012336
Microcystis wesenbergii NIES1055 AB012334
Microcystis viridis NIES1058 DQ648029
Microcystis novacekii NIES1067 AB012337
Microcystis aeruginosa NIES1072 AB012332
Microcystis aeruginosa NIES1085 AB012333
Microcystis ichthyoblabe NIES1090 AB012339
Microcystis aeruginosa NIES1143 AB012340

Synechococcus clade

Synechococcus sp. NIES957 AF216954
Synechococcus sp. NIES959 AF216955
Synechococcus sp. NIES984 AF448066

0.01 substitutions/site (MP/NJ)