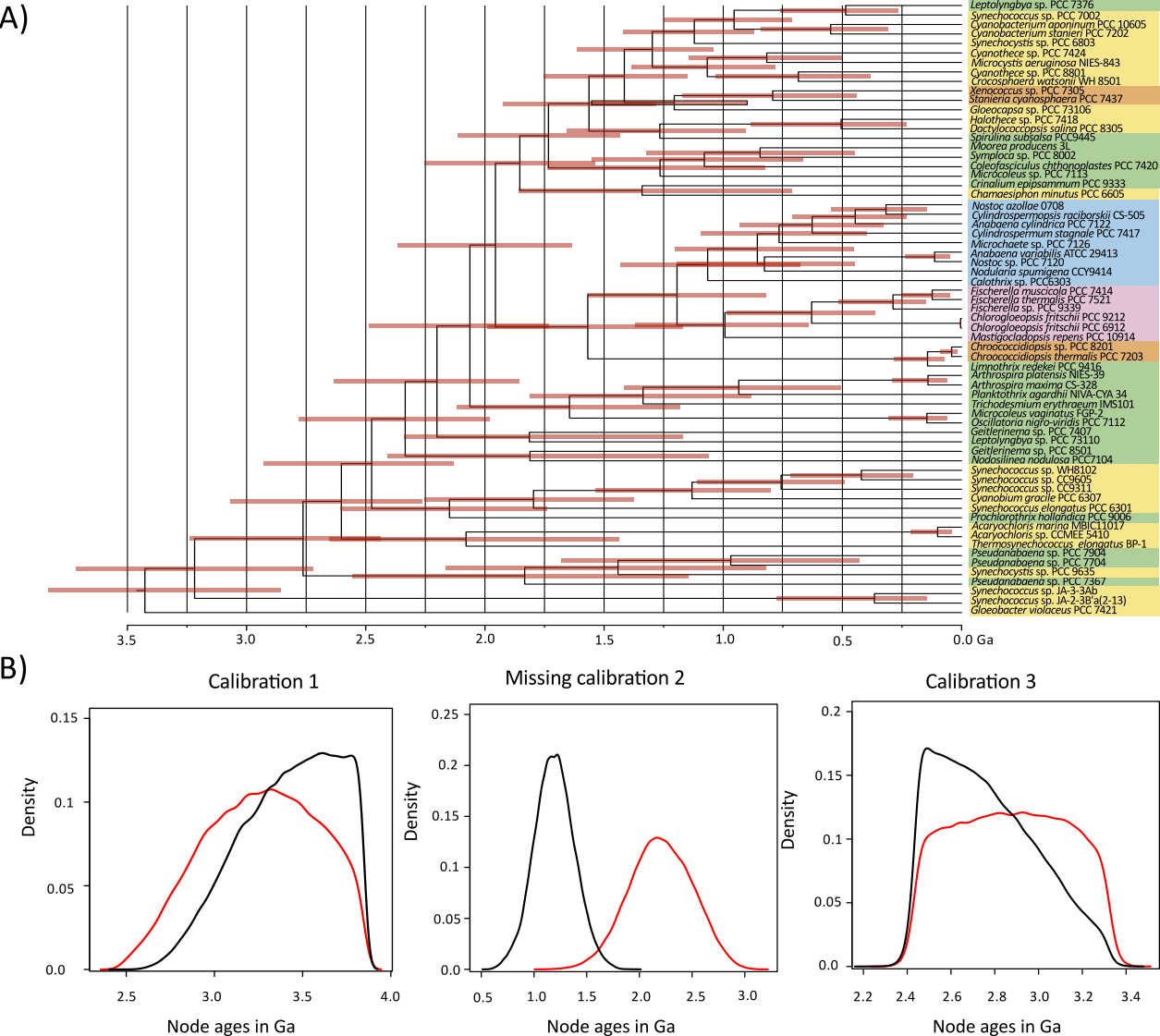
A)
Leptolyngbya sp. PCC 7376
Synechococcus sp. PCC 7002
Cyanobacterium aponinum PCC 10605
Cyanobacterium stanieri PCC 7202
Synechocystis sp. PCC 6803
Cyanothece sp. PCC 7424
Microcystis aeruginosa NIES-843
Cyanothece sp. PCC 8801
Crocosphaerá watsonii WH 8501
Xenococcus sp. PCC 7305
Stanieria cyanosphaera PCC 7437
Gloeocapsa sp. PCC 73106
Halothece sp. PCC 7418
Dactylococcopsis salina PCC 8305
Spirulina subsalsa PCC9445
Moorea producens 3L
Symploca sp. PCC 8002
Coleofasciculus chthonoplastes PCC 7420
Microcoleus sp. PCC 7113
Crinalium epipsammum PCC 9333
Chamaesiphon minutus PCC 6605
Nostoc azollae 0708
Cylindrospermopsis raciborskii CS-505
Anabaena cylindrica PCC 7122
Cylindrospermum stagnale PCC 7417
Microchaete sp. PCC 7126
Anabaena variabilis ATCC 29413
Nostoc sp. PCC 7120
Nodularia spumigena CCY9414
Calothrix sp. PCC6303
Fischerella muscicola PCC 7414
Fischerella thermalis PCC 7521
Fischerella sp. PCC 9339
Chlorogloeopsis fritschii PCC 9212
Chlorogloeopsis fritschii PCC 6912
Mastigocladopsis repens PCC 10914
Chroococcidiopsis sp. PCC 8201
Chroococcidiopsis thermalis PCC 7203
Limnothrix redekei PCC 9416
Arthrospira platensis NIES-39
Arthrospira maxima CS-328
Planktothrix agardhii NIVA-CYA 34
Trichodesmium erythraeum IMS101
Microcoleus vaginatus FGP-2
Oscillatoria nigro-viridis PCC 7112
Geitlerinema sp. PCC 7407
Leptolyngbya sp. PCC 73110
Geitlerinema sp. PCC 8501
Nodosilinea nodulosa PCC7104
Synechococcus sp. WH8102
Synechococcus sp. CC9605
Synechococcus sp. CC9311
Cyanobium gracile PCC 6307
Synechococcus elongatus PCC 6301
Prochlorothrix hollandica PCC 9006
Acaryochloris marina MBIC11017
Acaryochloris sp. CCMEE 5410
Thermosynechococcus elongatus BP-1
Pseudanabaena sp. PCC 7904
Pseudanabaena sp. PCC 7704
Synechocystis sp. PCC 9635
Pseudanabaena sp. PCC 7367
Synechococcus sp. JA-3-3Ab
Synechococcus sp. JA-2-3B'a(2-13)
Gloeobacter violaceus PCC 7421
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0 Ga
B)
Calibration 1
Missing calibration 2
Calibration 3
Density
Node ages in Ga