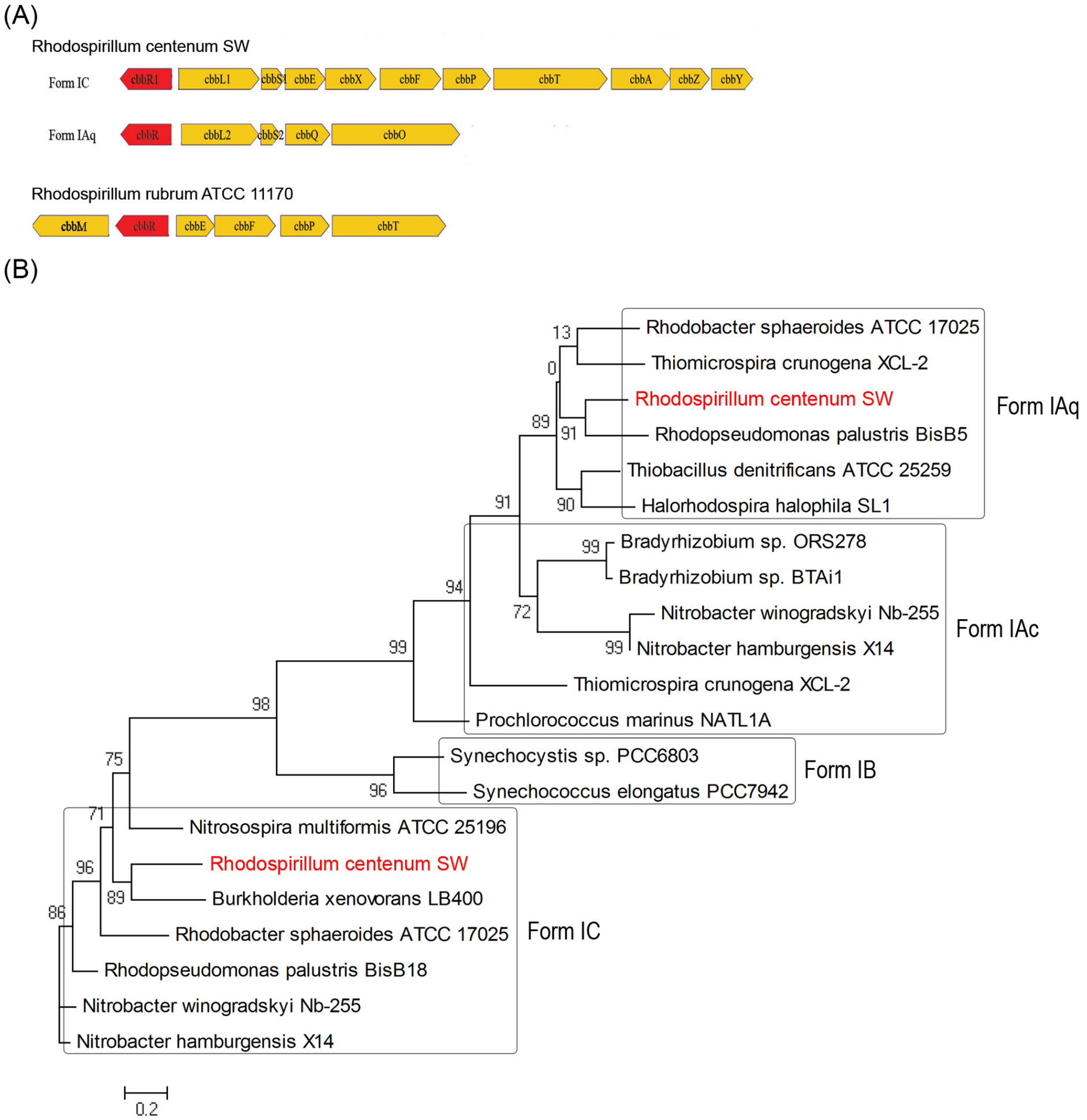
(A)
Rhodospirillum centenum SW
Form IC
cbbR1
cbbL1
cbbS1
cbbE
cbbX
cbbF
cbbP
cbbT
cbbA
cbbZ
cbbY
Form IAq
cbbR
cbbL2
cbbS2
cbbQ
cbbO
Rhodospirillum rubrum ATCC 11170
cbbM
cbbR
cbbE
cbbF
cbbP
cbbT
(B)
Rhodobacter sphaeroides ATCC 17025
Thiomicrospira crunogena XCL-2
Rhodospirillum centenum SW
Rhodopseudomonas palustris BisB5
Thiobacillus denitrificans ATCC 25259
Halorhodospira halophila SL1
Form IAq
Bradyrhizobium sp. ORS278
Bradyrhizobium sp. BTAi1
Nitrobacter winogradskyi Nb-255
Nitrobacter hamburgensis X14
Thiomicrospira crunogena XCL-2
Prochlorococcus marinus NATL1A
Form IAc
Synechocystis sp. PCC6803
Synechococcus elongatus PCC7942
Form IB
Nitrosospira multiformis ATCC 25196
Rhodospirillum centenum SW
Burkholderia xenovorans LB400
Rhodobacter sphaeroides ATCC 17025
Rhodopseudomonas palustris BisB18
Nitrobacter winogradskyi Nb-255
Nitrobacter hamburgensis X14
Form IC
13
0
89
91
90
91
99
94
72
99
99
98
75
96
71
96
89
86
0.2