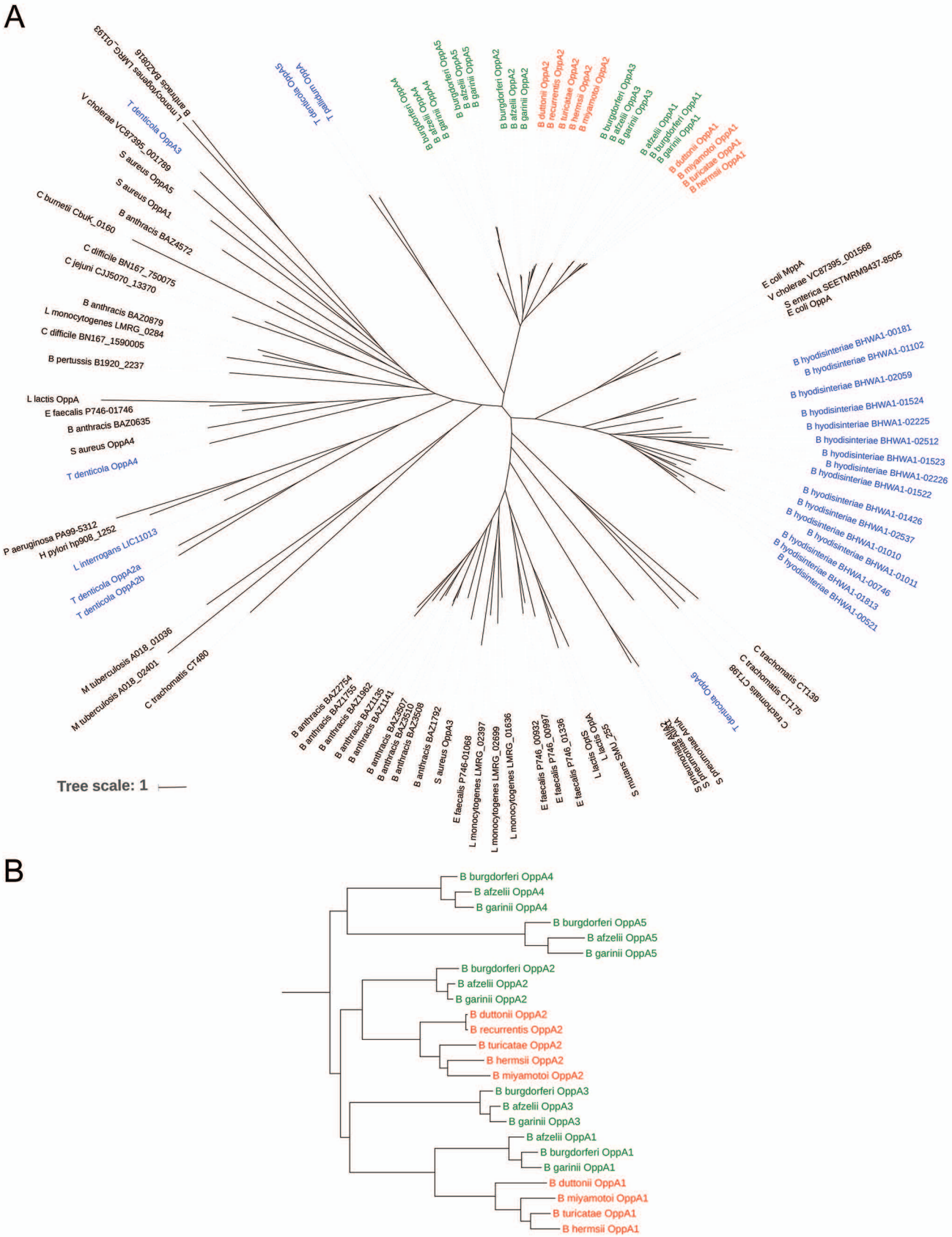
A
B burgdorferi OppA4
B afzelii OppA4
B garinii OppA4
B burgdorferi OppA5
B afzelii OppA5
B garinii OppA5
B burgdorferi OppA2
B afzelii OppA2
B garinii OppA2
B duttonii OppA2
B recurrentis OppA2
B turicatae OppA2
B hermsii OppA2
B miyamotoi OppA2
B burgdorferi OppA3
B afzelii OppA3
B garinii OppA3
B afzelii OppA1
B burgdorferi OppA1
B garinii OppA1
B duttonii OppA1
B miyamotoi OppA1
B turicatae OppA1
B hermsii OppA1
T denticola OppA5
T pallidum OppA
L monocytogenes LMRG_01193
B anthracis BAZ0816
T denticola OppA3
V cholerae VC87395_001789
S aureus OppA5
S aureus OppA1
B anthracis BAZ4572
C burnetii CbuK_0160
C difficile BN167_750075
C jejuni CJJ5070_13370
B anthracis BAZ0879
L monocytogenes LMRG_0284
C difficile BN167_1590005
B pertussis B1920_2237
L lactis OppA
E faecalis P746-01746
B anthracis BAZ0635
S aureus OppA4
T denticola OppA4
P aeruginosa PA99-5312
H pylori hp908_1252
L interrogans LIC11013
T denticola OppA2a
T denticola OppA2b
M tuberculosis A018_01036
M tuberculosis A018_02401
C trachomatis CT480
E coli MppA
V cholerae VC87395_001568
S enterica SEETMRM9437-8505
E coli OppA
B hyodisinteriae BHWA1-00181
B hyodisinteriae BHWA1-01102
B hyodisinteriae BHWA1-02059
B hyodisinteriae BHWA1-01524
B hyodisinteriae BHWA1-02225
B hyodisinteriae BHWA1-02512
B hyodisinteriae BHWA1-01523
B hyodisinteriae BHWA1-02226
B hyodisinteriae BHWA1-01522
B hyodisinteriae BHWA1-01426
B hyodisinteriae BHWA1-02537
B hyodisinteriae BHWA1-01010
B hyodisinteriae BHWA1-01011
B hyodisinteriae BHWA1-00746
B hyodisinteriae BHWA1-01813
B hyodisinteriae BHWA1-00521
C trachomatis CT139
C trachomatis CT175
C trachomatis CT198
T denticola OppA6
S pneumoniae AMA2
S pneumoniae AMA1
S pneumoniae AmA
S mutans SMU_255
L lactis OptS
L lactis OptA
E faecalis P746_01336
E faecalis P746_00997
E faecalis P746_00932
L monocytogenes LMRG_01636
L monocytogenes LMRG_02699
L monocytogenes LMRG_02397
E faecalis P746-01068
S aureus OppA3
B anthracis BAZ1792
B anthracis BAZ3508
B anthracis BAZ3510
B anthracis BAZ3507
B anthracis BAZ1141
B anthracis BAZ1135
B anthracis BAZ1962
B anthracis BAZ1755
B anthracis BAZ2754
Tree scale: 1
B
B burgdorferi OppA4
B afzelii OppA4
B garinii OppA4
B burgdorferi OppA5
B afzelii OppA5
B garinii OppA5
B burgdorferi OppA2
B afzelii OppA2
B garinii OppA2
B duttonii OppA2
B recurrentis OppA2
B turicatae OppA2
B hermsii OppA2
B miyamotoi OppA2
B burgdorferi OppA3
B afzelii OppA3
B garinii OppA3
B afzelii OppA1
B burgdorferi OppA1
B garinii OppA1
B duttonii OppA1
B miyamotoi OppA1
B turicatae OppA1
B hermsii OppA1