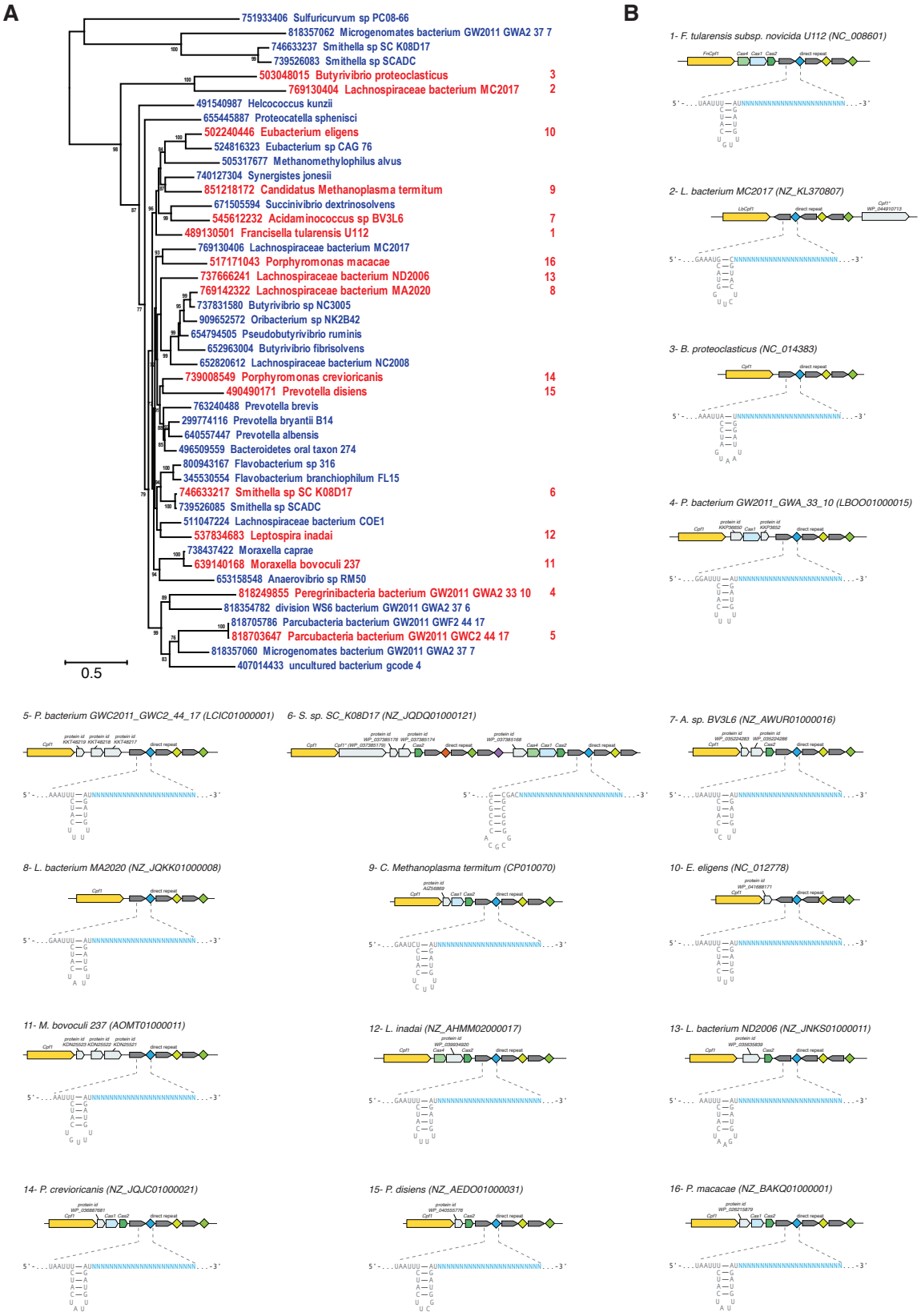
A
751933406 Sulfuricurvum sp PC08-66
818357062 Microgenomates bacterium GW2011 GWA2 37 7
746633237 Smithella sp SC K08D17
739526083 Smithella sp SCADC
503048015 Butyrivibrio proteoclasticus 3
769130404 Lachnospiraceae bacterium MC2017 2
491540987 Helcococcus kunzii
655445887 Proteocatella sphenisci
502240446 Eubacterium eligens 10
524816323 Eubacterium sp CAG 76
505317677 Methanomethylophilus alvus
740127304 Synergistes jonesii
851218172 Candidatus Methanoplasma termitum 9
671505594 Succinivibrio dextrinosolvens
545612232 Acidaminococcus sp BV3L6 7
489130501 Francisella tularensis U112 1
769130406 Lachnospiraceae bacterium MC2017
517171043 Porphyromonas macacae 16
737666241 Lachnospiraceae bacterium ND2006 13
769142322 Lachnospiraceae bacterium MA2020 8
737831580 Butyrivibrio sp NC3005
909652572 Oribacterium sp NK2B42
654794505 Pseudobutyrivibrio ruminis
652963004 Butyrivibrio fibrisolvens
652820612 Lachnospiraceae bacterium NC2008
739008549 Porphyromonas crevioricanis 14
490490171 Prevotella disiens 15
763240488 Prevotella brevis
299774116 Prevotella bryantii B14
640557447 Prevotella albensis
496509559 Bacteroidetes oral taxon 274
800943167 Flavobacterium sp 316
345530554 Flavobacterium branchiophilum FL15
746633217 Smithella sp SC K08D17 6
739526085 Smithella sp SCADC
511047224 Lachnospiraceae bacterium COE1
537834683 Leptospira inadai 12
738437422 Moraxella caprae
639140168 Moraxella bovoculi 237 11
653158548 Anaerovibrio sp RM50
818249855 Peregrinibacteria bacterium GW2011 GWA2 33 10 4
818354782 division WS6 bacterium GW2011 GWA2 37 6
818705786 Parcubacteria bacterium GW2011 GWF2 44 17
818703647 Parcubacteria bacterium GW2011 GWC2 44 17 5
818357060 Microgenomates bacterium GW2011 GWA2 37 7
407014433 uncultured bacterium gcode 4
0.5
B
1- F. tularensis subsp. novicida U112 (NC_008601)
2- L. bacterium MC2017 (NZ_KL370807)
3- B. proteoclasticus (NC_014383)
4- P. bacterium GW2011_GWA_33_10 (LBOO01000015)
5- P. bacterium GWC2011_GWC2_44_17 (LCIC01000001)
6- S. sp. SC_K08D17 (NZ_JQDQ01000121)
7- A. sp. BV3L6 (NZ_AWUR01000016)
8- L. bacterium MA2020 (NZ_JQKK01000008)
9- C. Methanoplasma termitum (CP010070)
10- E. eligens (NC_012778)
11- M. bovoculi 237 (AOMT01000011)
12- L. inadai (NZ_AHMM02000017)
13- L. bacterium ND2006 (NZ_JNKS01000011)
14- P. crevioricanis (NZ_JQJC01000021)
15- P. disiens (NZ_AEDO01000031)
16- P. macacae (NZ_BAKQ01000001)

Figure S5