

Figure S3-A. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-A

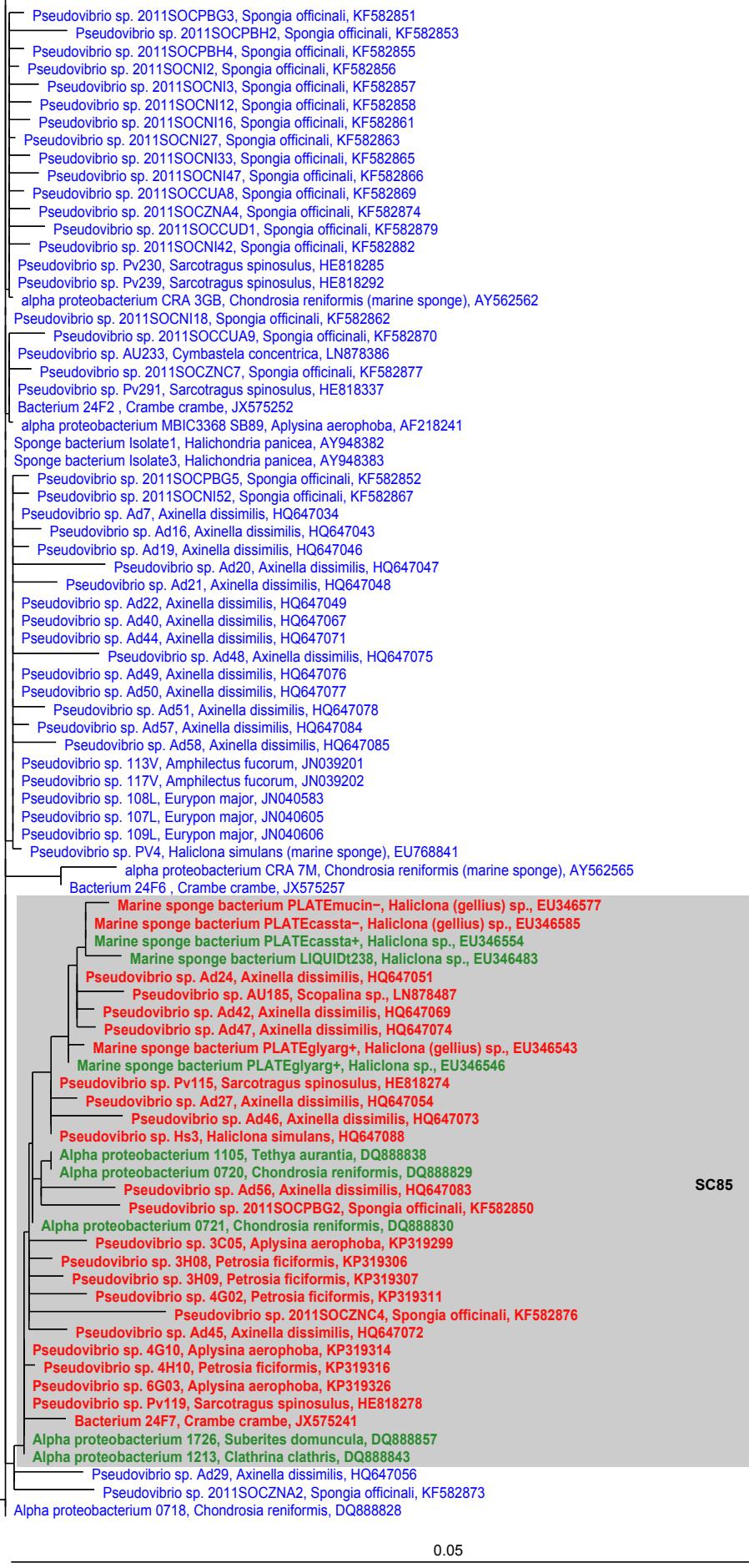
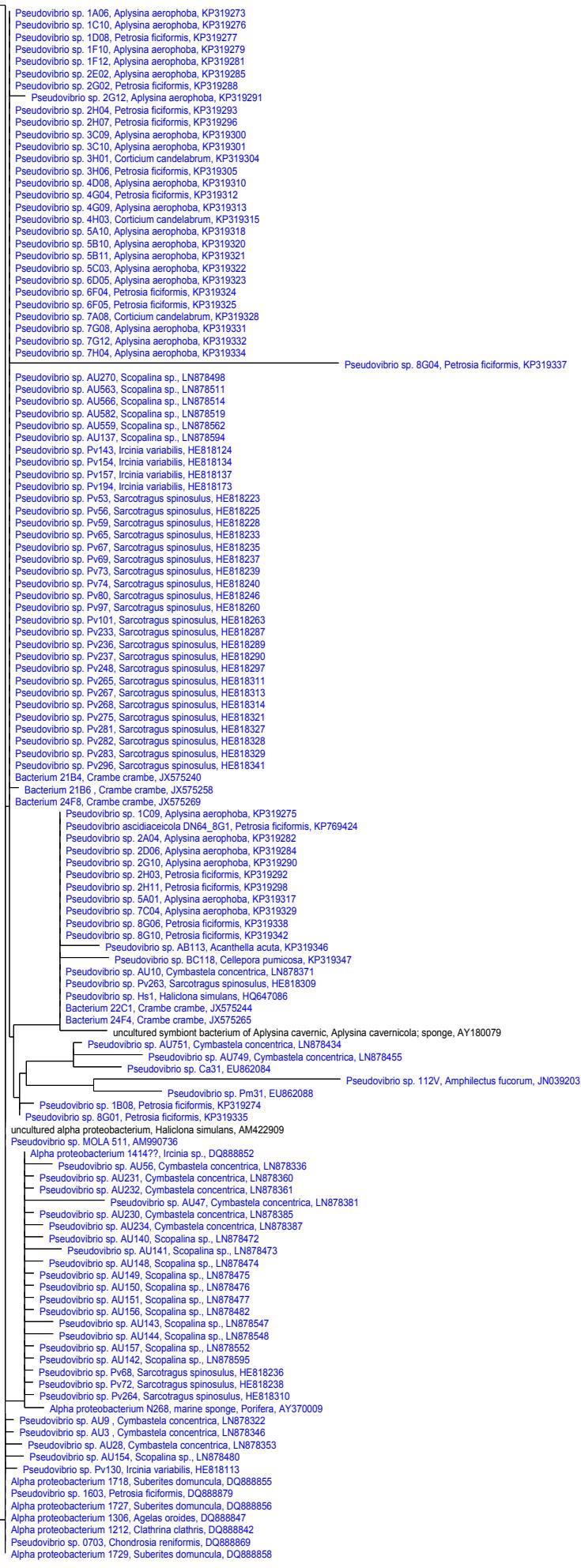


Fig. S3-C

Figure S3-B. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-B**Fig. S3-D**

0.05

Figure S3-C. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-C ←



Fig. S3-E ←

Figure S3-D. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-D**Fig. S3-F**

←
Pseudovibrio sp. SP0723, DQ630086
0.05

Figure S3-E. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-E

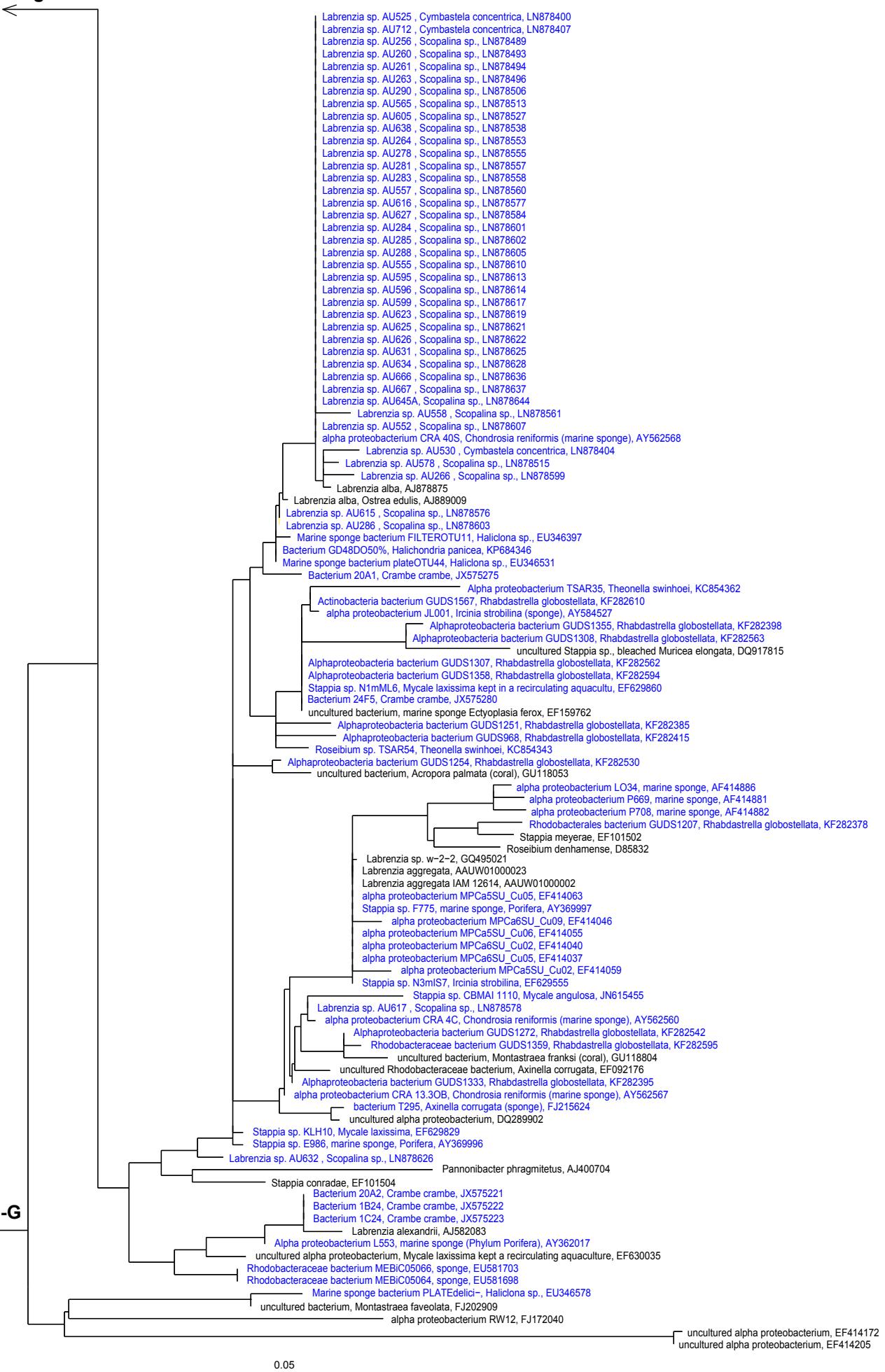


Fig. S3-G

0.05

Figure S3-F. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-F

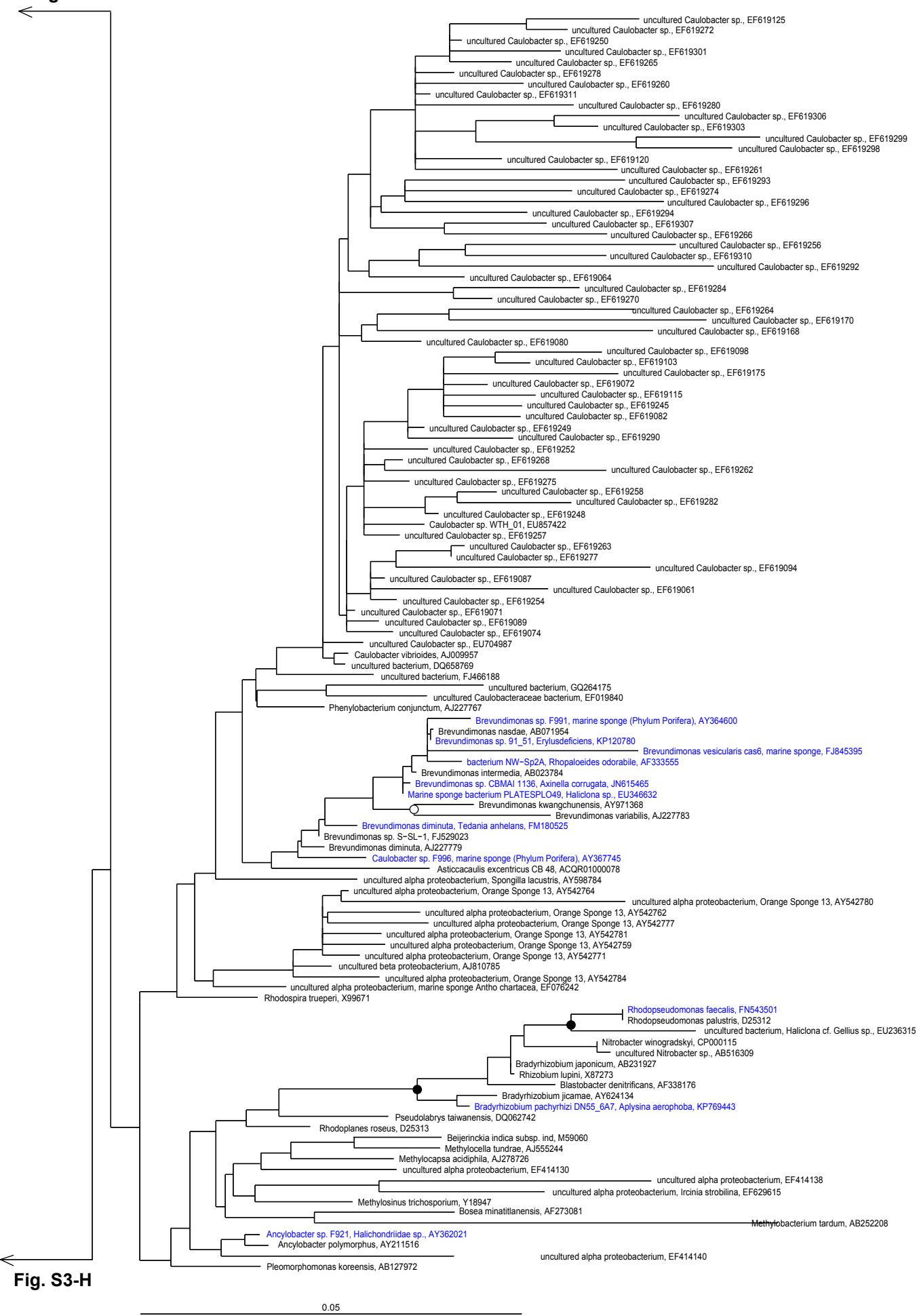


Fig. S3-H

Figure S3-G. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-G

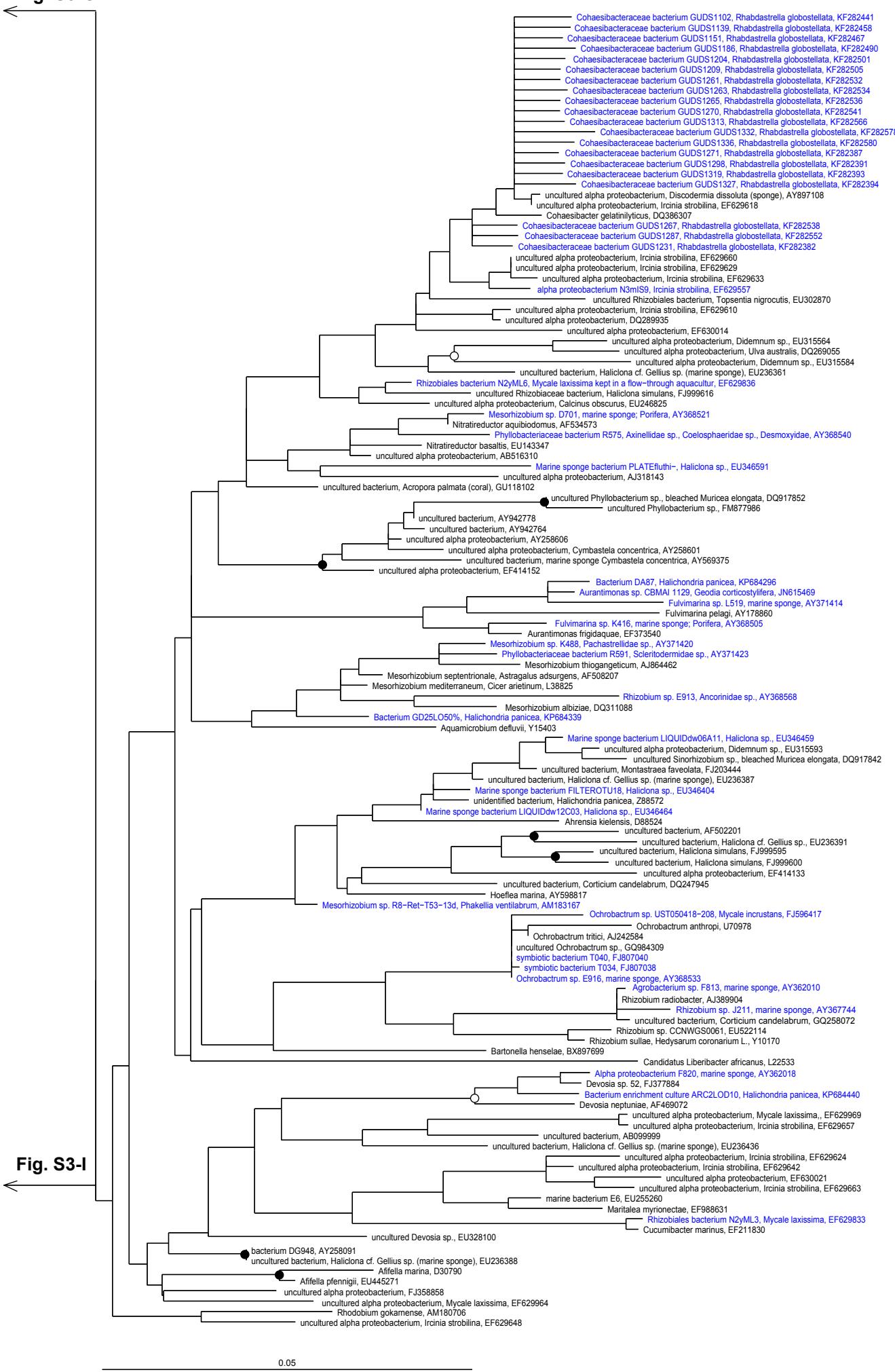
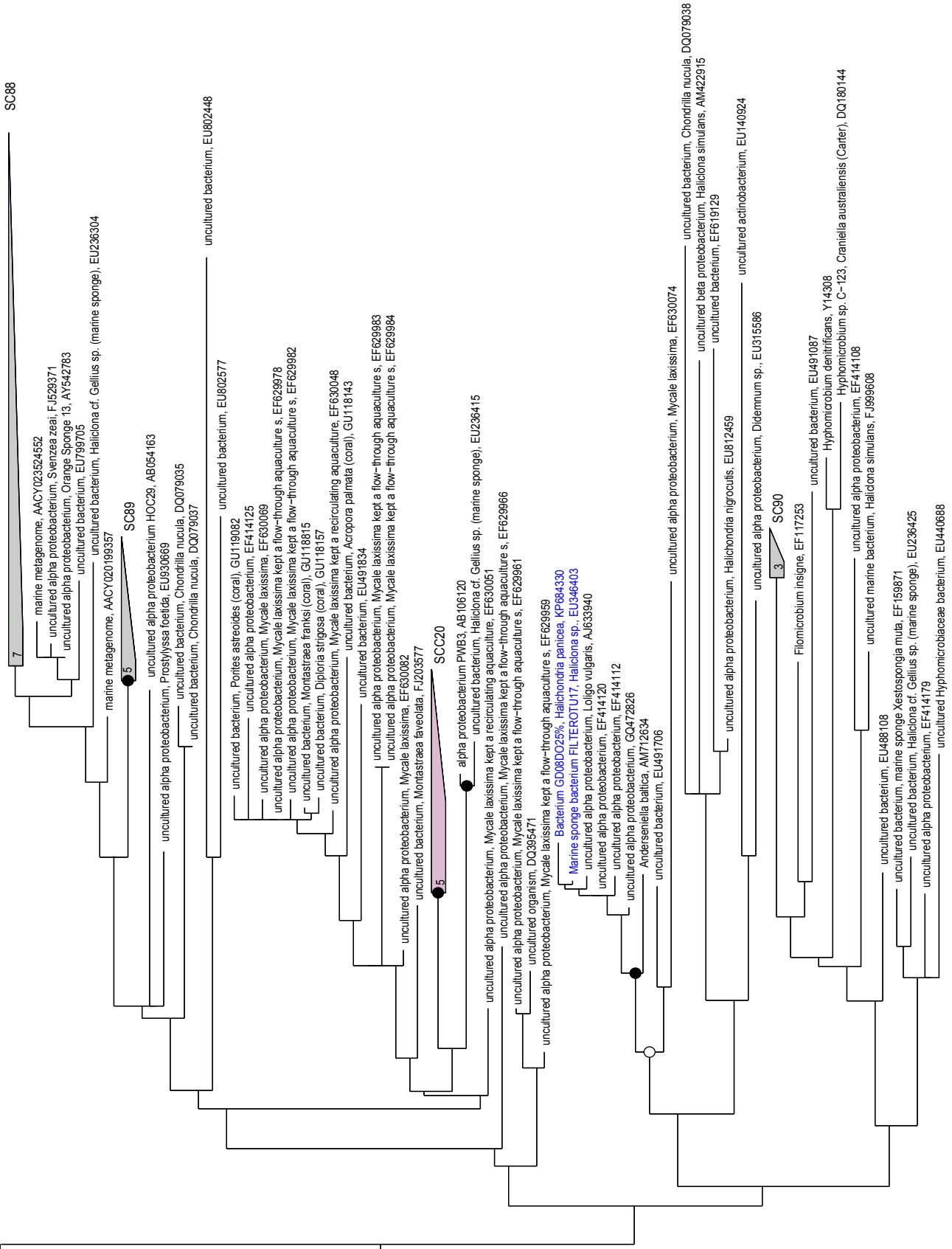


Fig. S3-I

0.05

Figure S3-H. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-H



0.05

Fig. S3-T

Figure S3-I. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

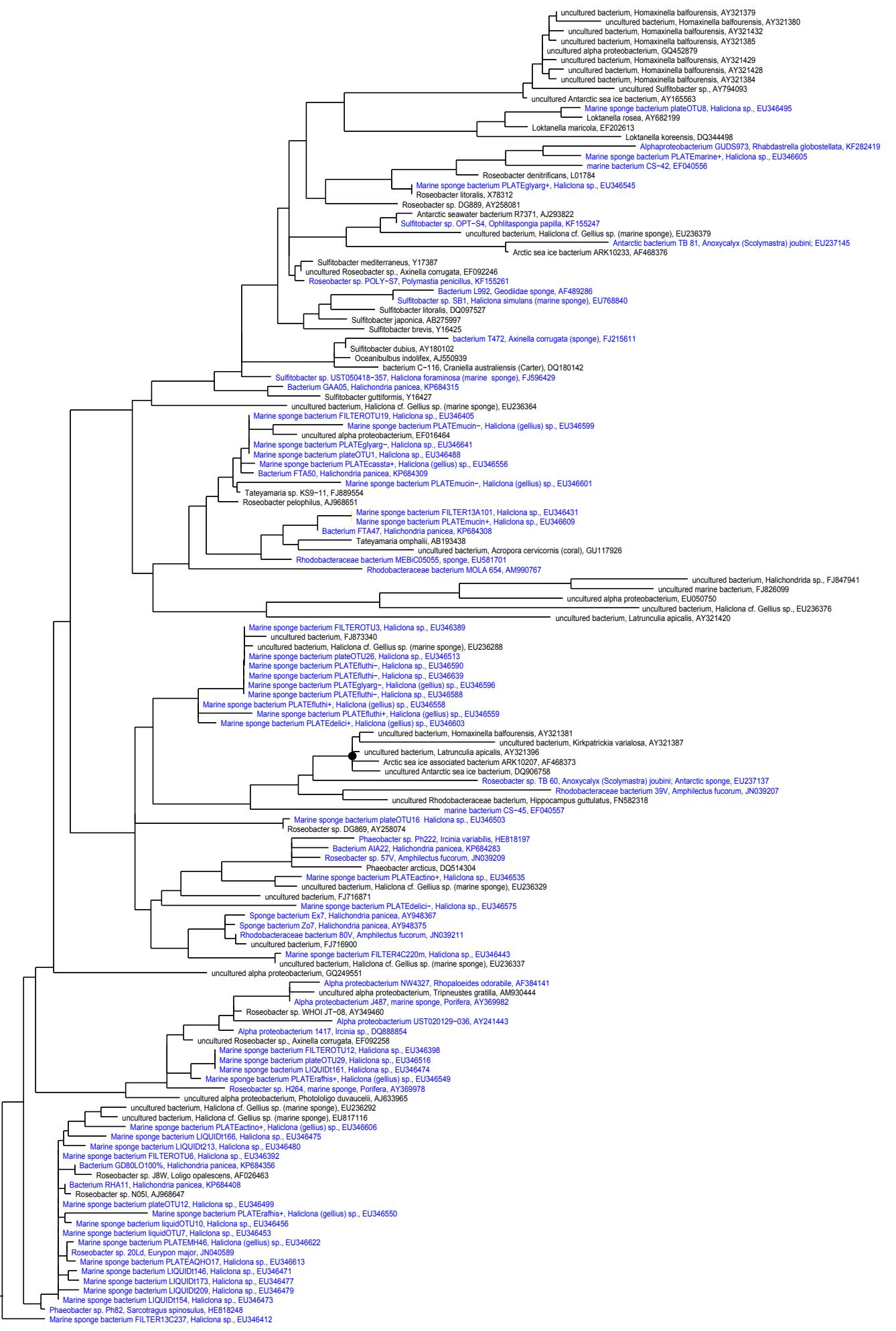
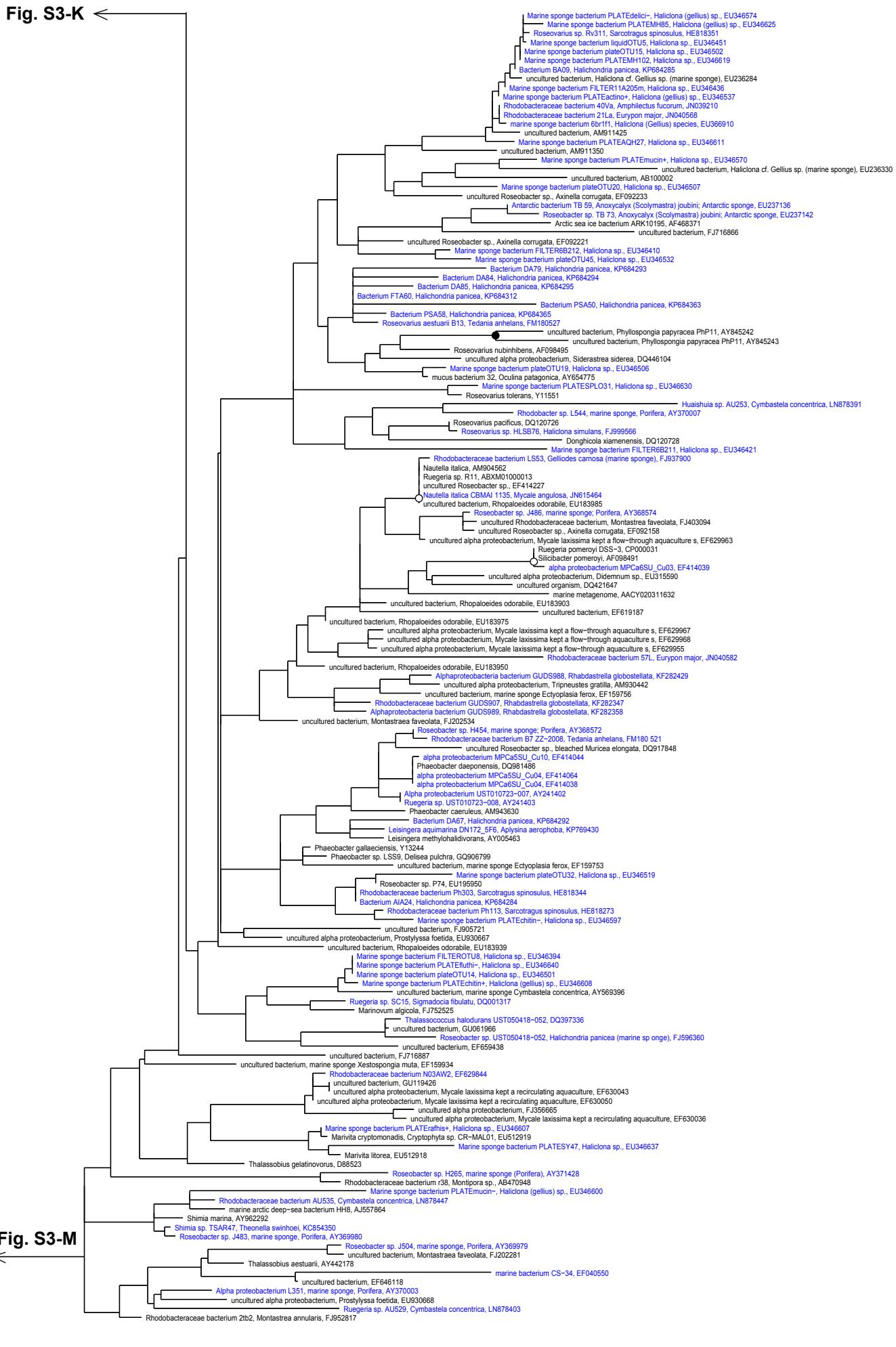


Fig. S3-L

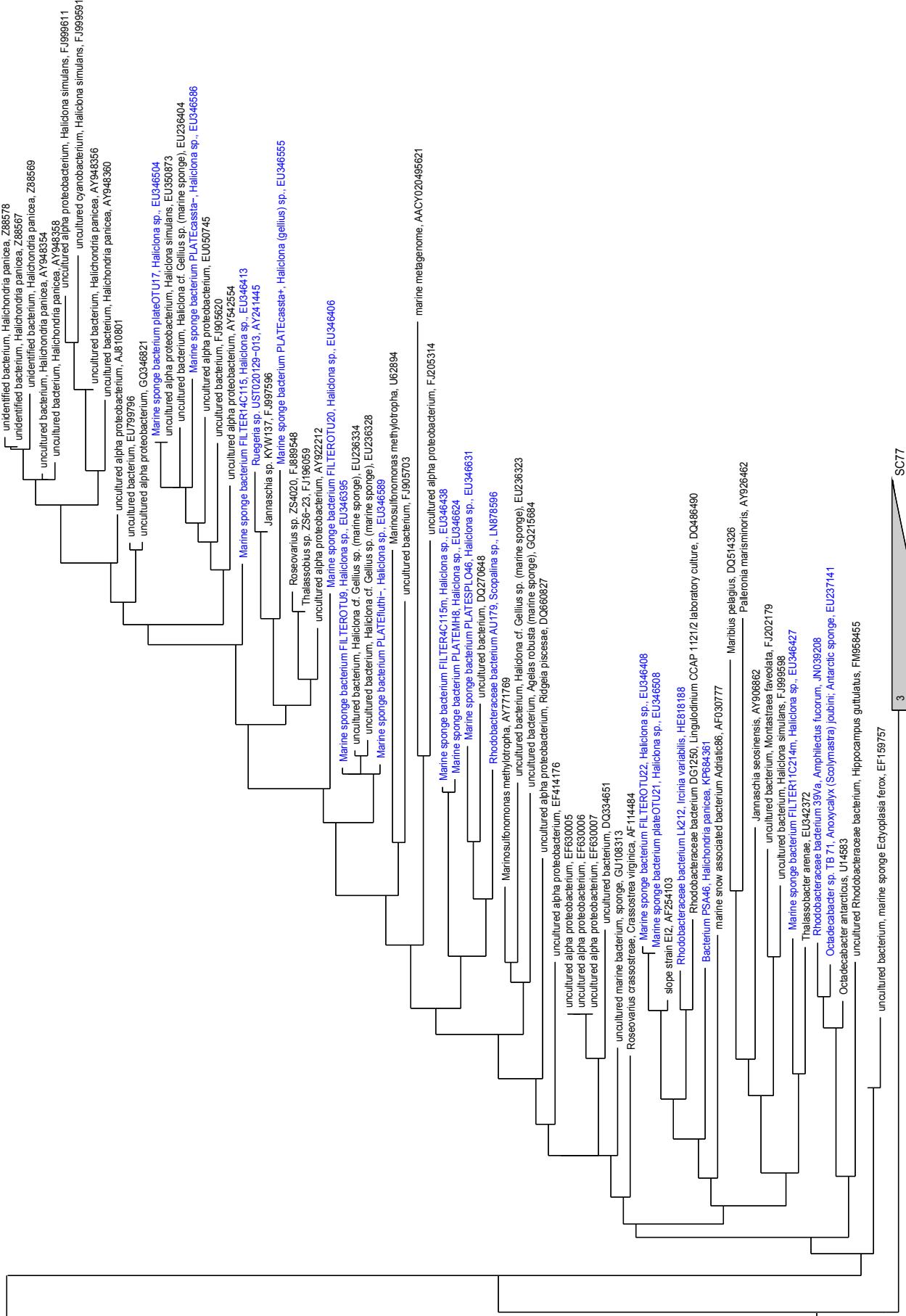
Figure S3-K. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-K**Fig. S3-M**

0.05

Figure S3-L. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-L



0.05

Fig. S3-N



Figure S3-M. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-M

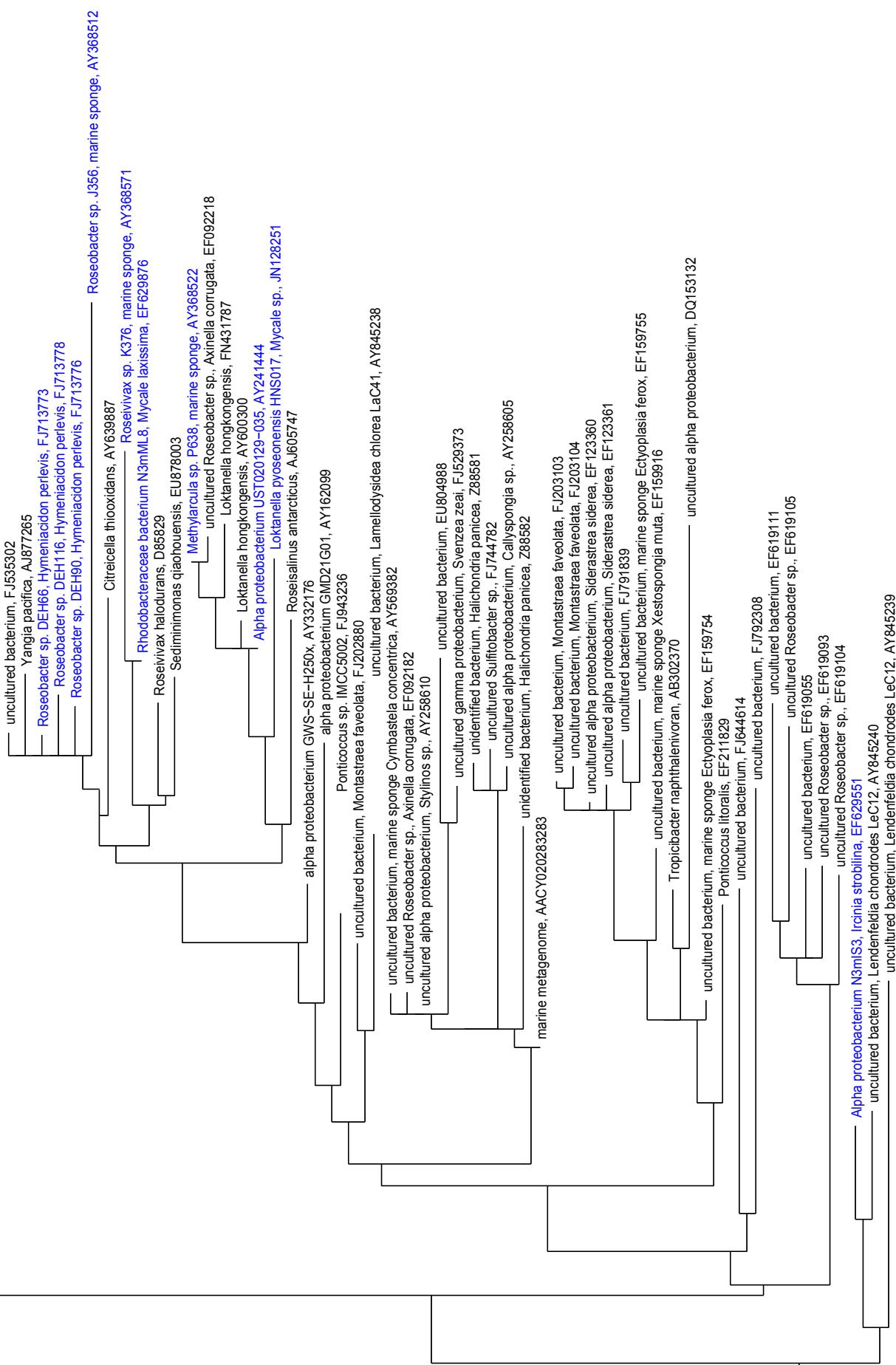


Fig. S3-R

Figure S3-N. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

0.05

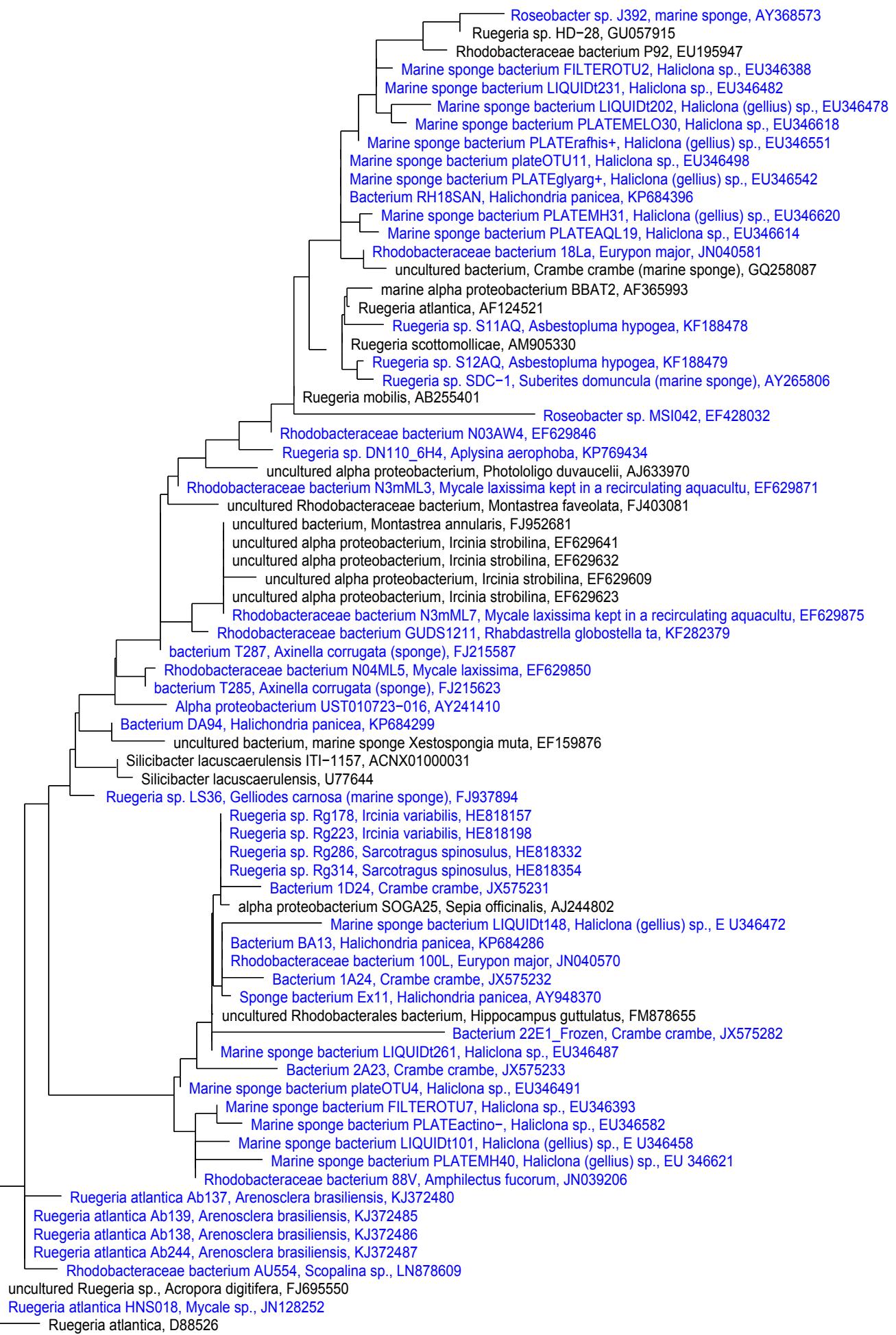


Fig. S3-P

Figure S3-O. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-O

Ruegeria atlantica Dr39M, Dragmacidon reticulatus, JN001314
 Marine sponge bacterium PLATEchitin+, Haliclona (gellius) sp., EU346564
 Bacterium GAA03, Halichondria panicea, KP684317
 Ruegeria sp. AU711, Cymbastela concentrica, LN878448
 Ruegeria sp. AU770, Cymbastela concentrica, LN878460
 Ruegeria sp. AU276, Scopalina sp., LN878504
 Ruegeria sp. AU580, Scopalina sp., LN878517
 Ruegeria sp. AU581, Scopalina sp., LN878518
 Ruegeria sp. AU585, Scopalina sp., LN878522
 Ruegeria sp. AU602, Scopalina sp., LN878524
 Ruegeria sp. AU606, Scopalina sp., LN878528
 Ruegeria sp. AU609, Scopalina sp., LN878531
 Ruegeria sp. AU610, Scopalina sp., LN878532
 Ruegeria sp. AU611, Scopalina sp., LN878533
 Ruegeria sp. AU635, Scopalina sp., LN878535
 Ruegeria sp. AU637, Scopalina sp., LN878537
 Ruegeria sp. AU660, Scopalina sp., LN878563
 Ruegeria sp. AU661, Scopalina sp., LN878564
 Ruegeria sp. AU586, Scopalina sp., LN878567
 Ruegeria sp. AU588, Scopalina sp., LN878569
 Ruegeria sp. AU591, Scopalina sp., LN878572
 Ruegeria sp. AU592, Scopalina sp., LN878573

Ruegeria sp. AU613, Scopalina sp., LN878574
 Ruegeria sp. AU618, Scopalina sp., LN878579
 Ruegeria sp. AU620, Scopalina sp., LN878581
 Ruegeria sp. AU621, Scopalina sp., LN878582
 Ruegeria sp. AU622, Scopalina sp., LN878583
 Ruegeria sp. AU642, Scopalina sp., LN878587
 Ruegeria sp. AU594, Scopalina sp., LN878612
 Ruegeria sp. AU629, Scopalina sp., LN878623
 Ruegeria sp. AU668, Scopalina sp., LN878638
 Ruegeria sp. Rg139, Irinia variabilis, HE818120
 Ruegeria sp. Rg140, Irinia variabilis, HE818121
 Ruegeria sp. Rg144, Irinia variabilis, HE818125
 Ruegeria sp. Rg145, Irinia variabilis, HE818126
 Ruegeria sp. Rg171, Irinia variabilis, HE818150
 Ruegeria sp. Rg173, Irinia variabilis, HE818152
 Ruegeria sp. Rg179, Irinia variabilis, HE818158
 Ruegeria sp. Rg183, Irinia variabilis, HE818162
 Ruegeria sp. Rg186, Irinia variabilis, HE818165
 Ruegeria sp. Rg193, Irinia variabilis, HE818172
 Ruegeria sp. Rg218, Irinia variabilis, HE818193
 Ruegeria sp. Rg226, Irinia variabilis, HE818201
 Ruegeria sp. Rg32, Sarcotragus spinosulus, HE818205
 Ruegeria sp. Rg37, Sarcotragus spinosulus, HE818210
 Ruegeria sp. Rg50, Sarcotragus spinosulus, HE818221
 Ruegeria sp. Rg99, Sarcotragus spinosulus, HE818257
 Ruegeria sp. Rg95, Sarcotragus spinosulus, HE818259
 Ruegeria sp. Rg102, Sarcotragus spinosulus, HE818264
 Ruegeria sp. Rg108, Sarcotragus spinosulus, HE818269
 Ruegeria sp. Rg270, Sarcotragus spinosulus, HE818316
 Ruegeria sp. Rg277, Sarcotragus spinosulus, HE818323
 Ruegeria sp. Rg279, Sarcotragus spinosulus, HE818325
 Ruegeria sp. Rg287, Sarcotragus spinosulus, HE818333
 Ruegeria sp. Rg290, Sarcotragus spinosulus, HE818336
 Ruegeria sp. Rg293, Sarcotragus spinosulus, HE818338
 Ruegeria sp. Rg300, Sarcotragus spinosulus, HE818342
 Ruegeria sp. Rg306, Sarcotragus spinosulus, HE818347
 Ruegeria sp. Rg312, Sarcotragus spinosulus, HE818352
 Ruegeria sp. Rg313, Sarcotragus spinosulus, HE818353
 Ruegeria sp. Rg316, Sarcotragus spinosulus, HE818356
 Ruegeria sp. Rg319, Sarcotragus spinosulus, HE818359
 Ruegeria sp. Rg322, Sarcotragus spinosulus, HE818362
 Ruegeria sp. Rg325, Sarcotragus spinosulus, HE818364
 Ruegeria sp. Rg326, Sarcotragus spinosulus, HE818365
 Ruegeria sp. Rg344, Sarcotragus spinosulus, HE818380
 Ruegeria sp. Rg351, Sarcotragus spinosulus, HE818387
 Ruegeria sp. Rg352, Sarcotragus spinosulus, HE818388

Ruegeria sp. AU608, Scopalina sp., LN878530
 marine bacterium CS-21, EF040543
 marine bacterium CS-41, EF040555
 marine bacterium CS-40, EF040554

marine bacterium CS-39, EF040553

uncultured Ruegeria sp., EF619092

Ruegeria atlantica Ab143, Arenosclera brasiliensis, KJ372482

Ruegeria atlantica Ab248, Arenosclera brasiliensis, KJ372483

Ruegeria atlantica Ab140, Arenosclera brasiliensis, KJ372484

Ruegeria atlantica DN83_2B6, Aplysina aerophoba, KP769432

Ruegeria sp. Rg133, Irinia variabilis, HE818116

Ruegeria sp. 2011SOCN117, Spongia officinalis, KF582894

marine bacterium CS-64, EF040565

marine bacterium CS-79, EF040573

Ruegeria sp. AU604, Scopalina sp., LN878526

Ruegeria sp. AU612, Scopalina sp., LN878534

Ruegeria sp. AU265, Scopalina sp., LN878554

Ruegeria sp. AU567, Scopalina sp., LN878565

Rhodobacteraceae bacterium AU553, Scopalina sp., LN878608

Ruegeria sp. SCVt029, cuttlefish Sepia officinalis, AM709697

Ruegeria sp. Rg201, Irinia variabilis, HE818179

Ruegeria sp. Rg323, Sarcotragus spinosulus, HE818363

Ruegeria sp. RG325, Sarcotragus spinosulus, HE818364

Ruegeria sp. Rg326, Sarcotragus spinosulus, HE818365

Ruegeria sp. Rg344, Sarcotragus spinosulus, HE818380

Ruegeria sp. Rg351, Sarcotragus spinosulus, HE818387

Ruegeria sp. Rg352, Sarcotragus spinosulus, HE818388

SC78

Alpha proteobacterium F14, Pseudoceratina clavata, DQ227660

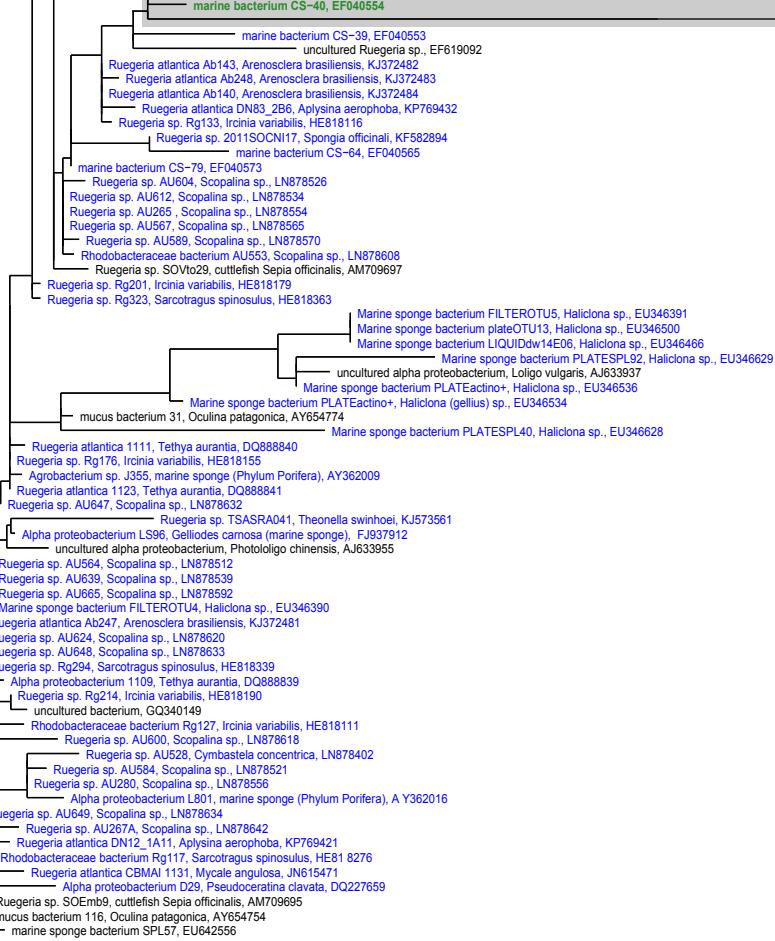


Fig. S3-Q

0.05

Figure S3-P. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-P



Fig. S3-R

Figure S3-Q. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

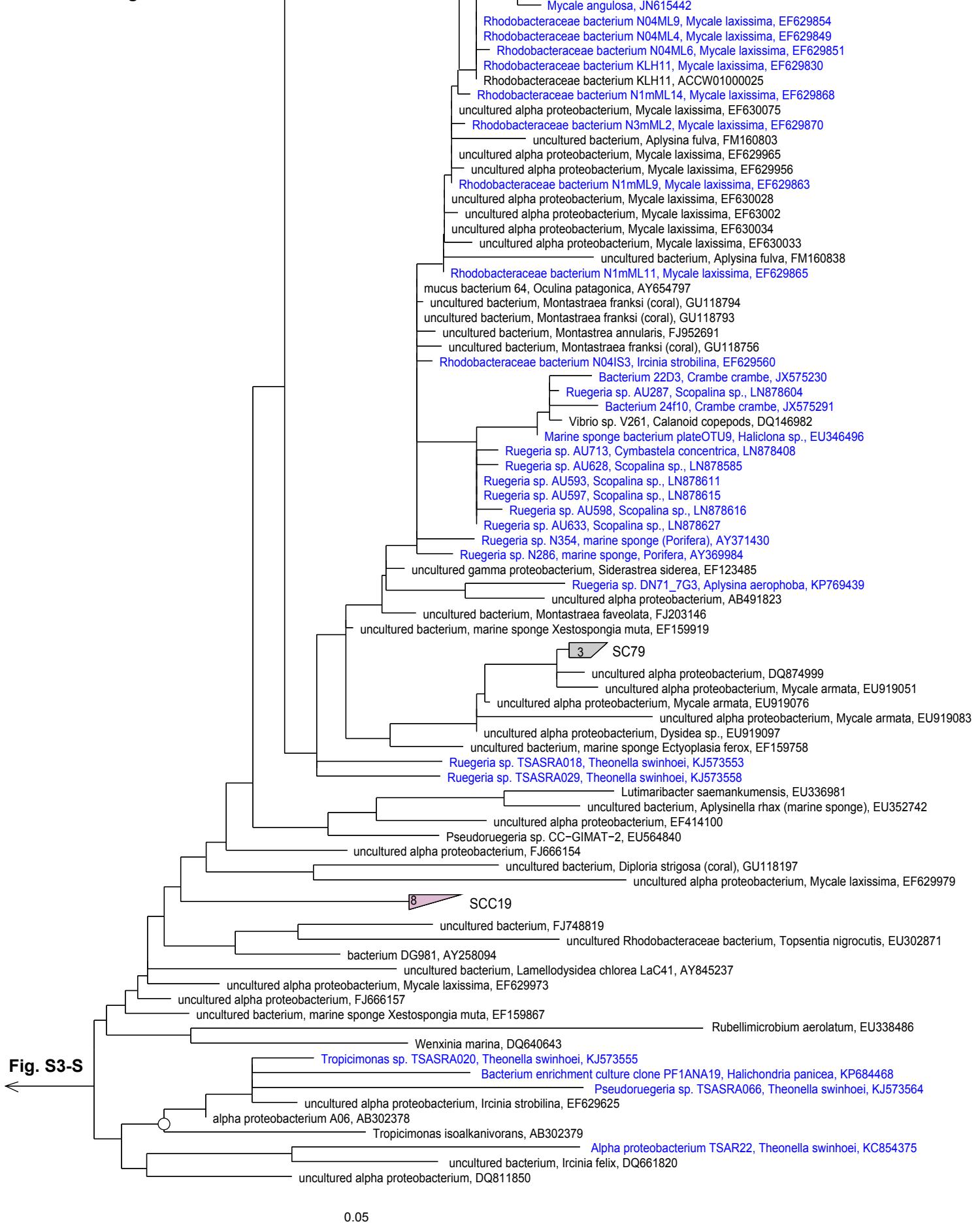
Fig. S3-Q**Fig. S3-N****Figure S3-R.** 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-R

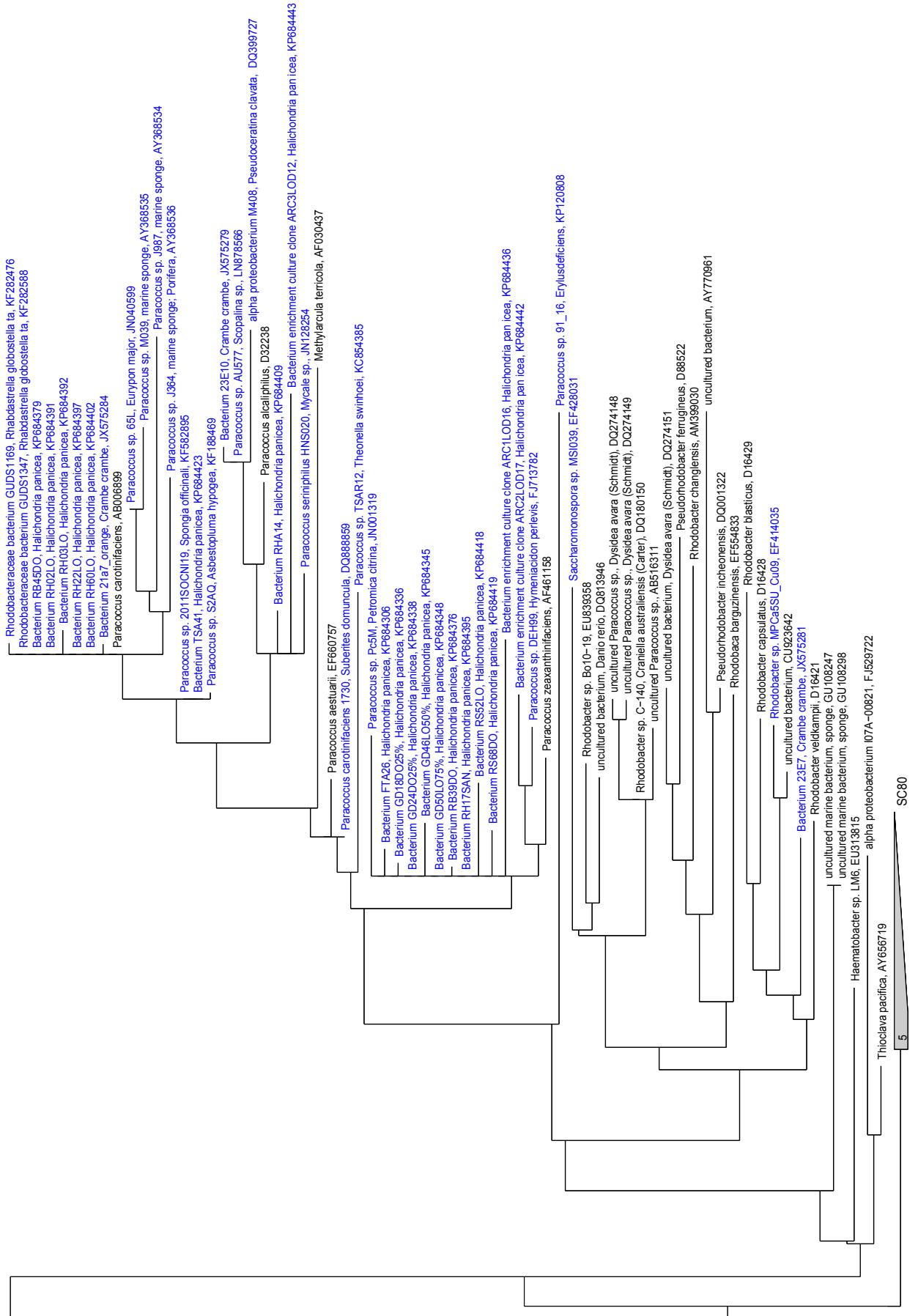


Fig. S3-T

Figure S3-S. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-S

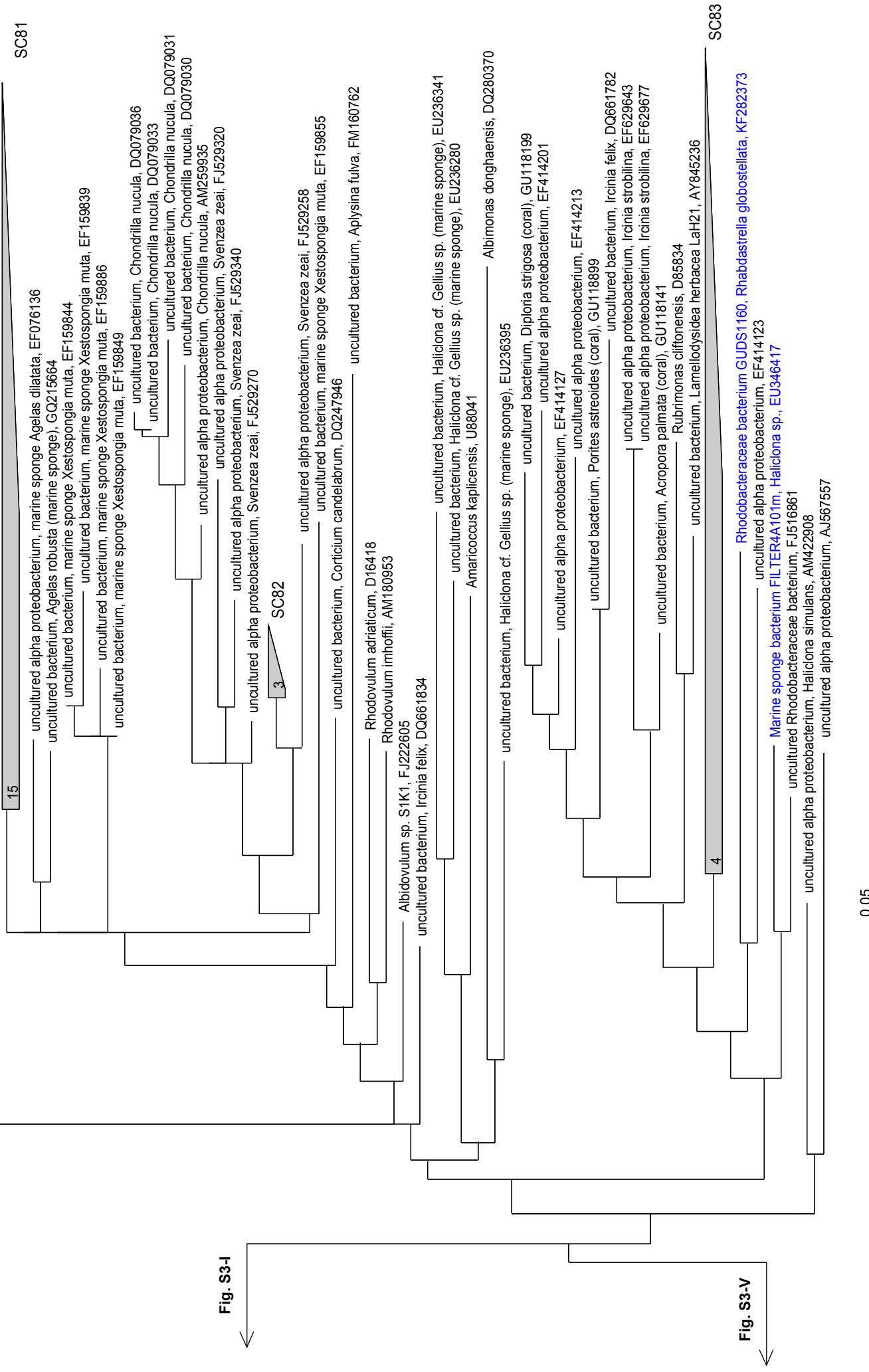


Figure S3-T. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

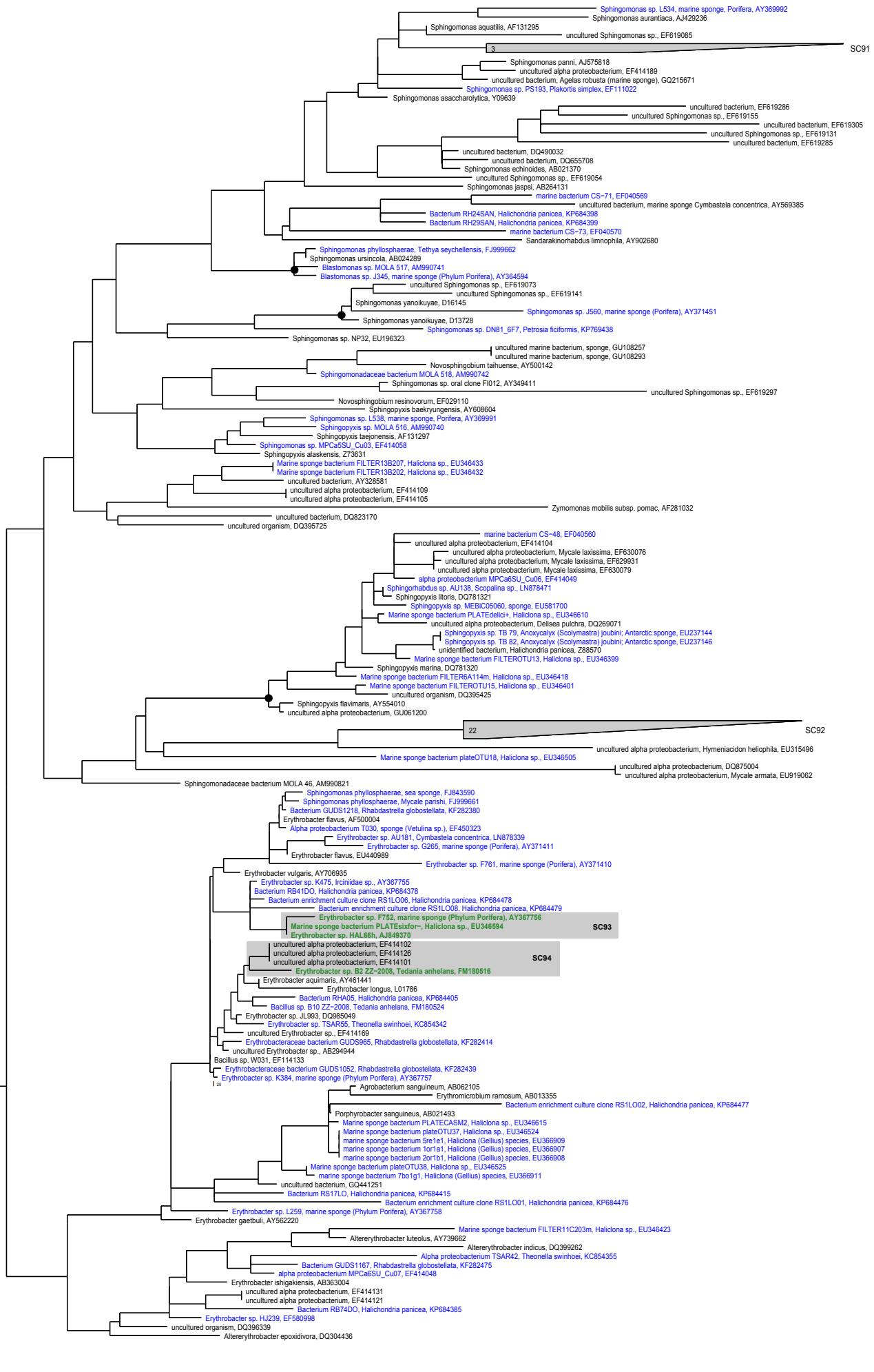


Fig. S3-V

Figure S3-U. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-U

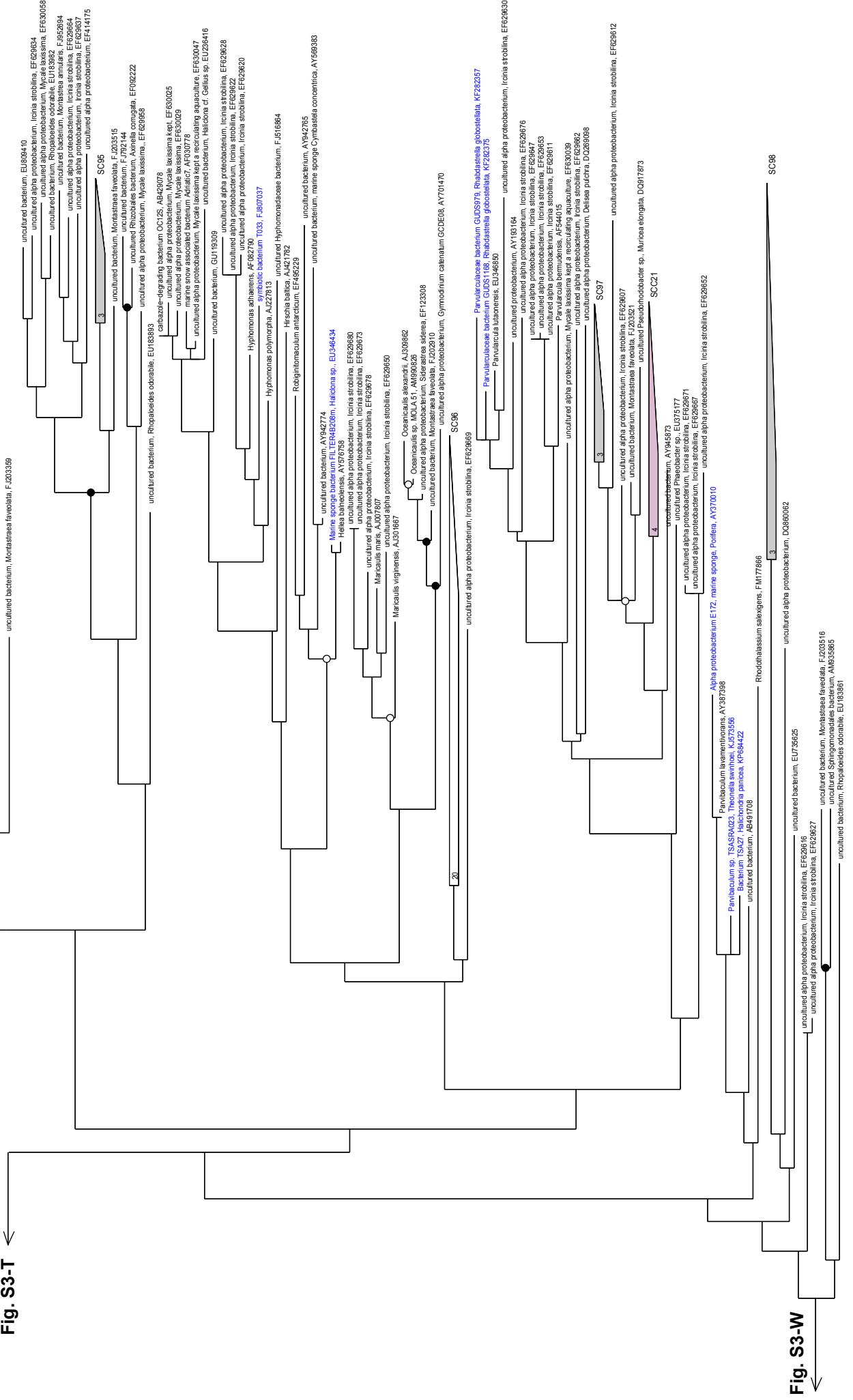


Figure S3-V. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-W

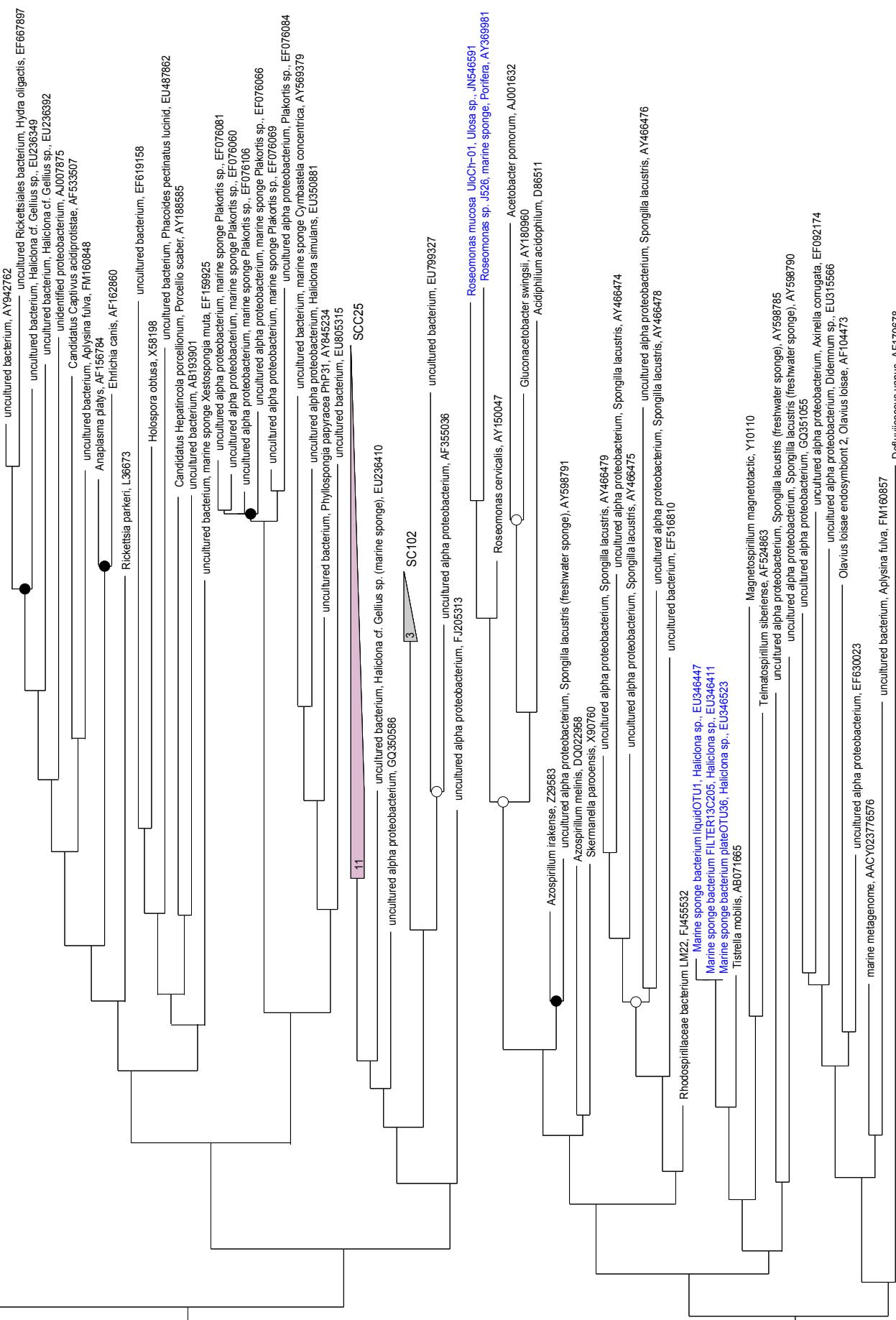


Fig. S3-Y

Figure S3-X. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-X



Fig. S3-Z

0.05

Figure S3-Y. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1

Fig. S3-Y

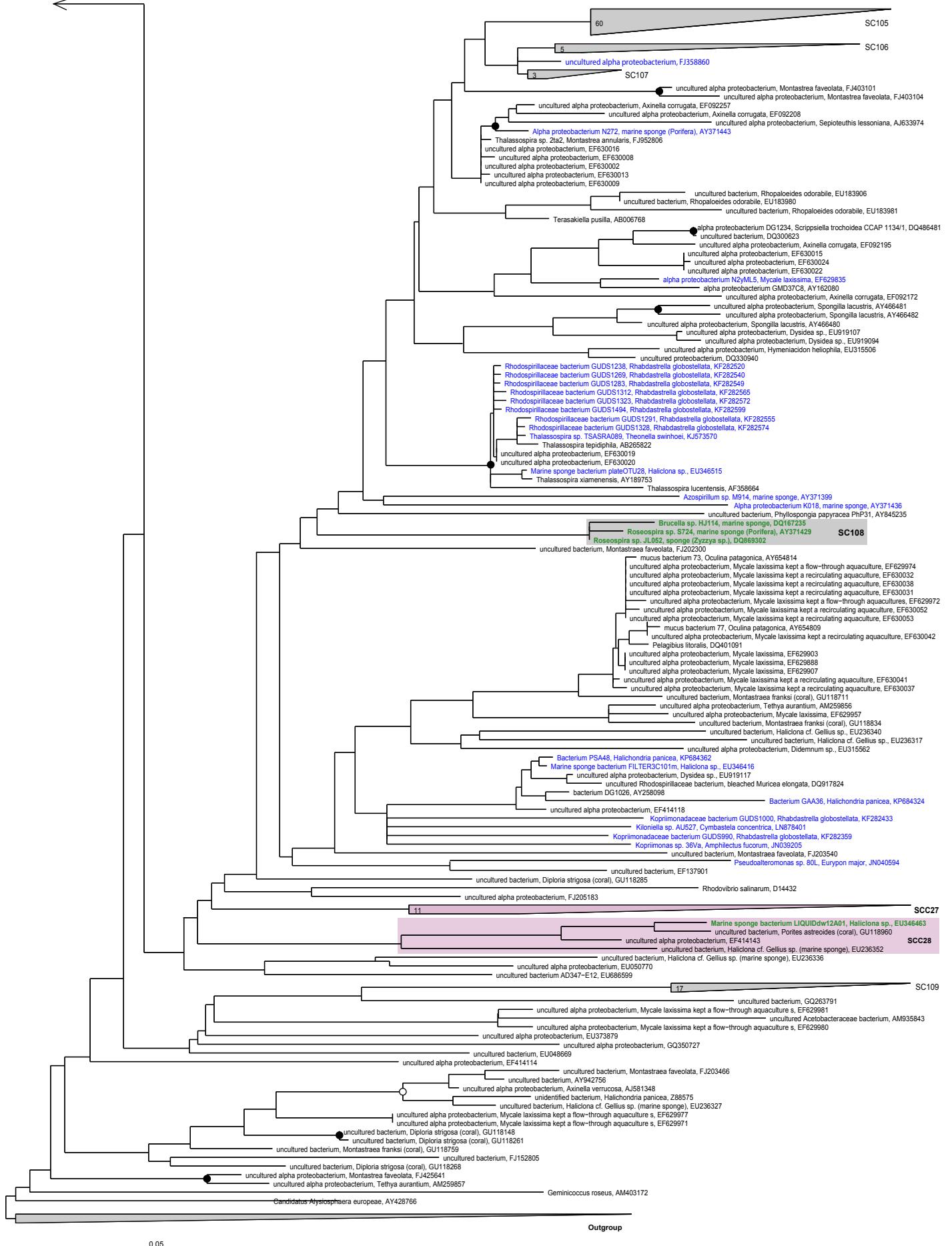


Figure S3-Z. 16S rRNA gene-based phylogeny of sponge-associated Alphaproteobacteria. Details are as provided for Figure S1