|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table S1: Bacterial 16S rRNA gene sequences isolated from algae (excluding BLAST hits) included in the phylogenetic analysis** | | | | |
| **Higher taxonomic ranks** | **Taxon label** | **Accession no.** | **Isolation source** | **Reference** |
| Bacteroides | Bacteroidetes bacterium D295 | FJ440982 | *Delisea pulchra* | [[1](#_ENREF_1)] |
| Bacteroidetes bacterium LD83 | AM913945 | *Saccharina latissima* | [[2](#_ENREF_2)] |
| Flavobacteriaceae bacterium Cv4 | EU278337 | *Ceramium virgatum* | [[3](#_ENREF_3)] |
| Flavobacteriaceae bacterium I-1856 | AB073589 | Green macroalga | [[4](#_ENREF_4)] |
| Flavobacteriaceae bacterium Pf4 | EU278339 | *Polysiphonia fucoides* | [[3](#_ENREF_3)] |
| Flavobacteriaceae bacterium Rc6 | EU278338 | *Rhodomela confervoides* | [[3](#_ENREF_3)] |
| Uncultured CFB bacterium CtaxAus-4 | AF259600 | *Caulerpa taxifolia* | [[5](#_ENREF_5)] |
| Uncultured CFB bacterium CtaxMed-5 | AF259614 | *Caulerpa taxifolia* | [[5](#_ENREF_5)] |
| Alphaproteobacteria | Alphaproteobacterium D323 | FJ440988 | *Delisea pulchra* | [[1](#_ENREF_1)] |
| Alphaproteobacterium L96 | AM913948 | *Saccharina latissima* | [[2](#_ENREF_2)] |
| Alphaproteobacterium RSHD3S10 | AF190214 | *Pfiesteria*-like dinoflagellate | [[6](#_ENREF_6)] |
| *Phyllobacterium* sp. MA2830 | AF186702 | *Pfiesteria*-like dinoflagellate | [[6](#_ENREF_6)] |
| Uncultured Alphaproteobacterium clone LSBS121 | AM745991 | *Saccharina latissima* | [[7](#_ENREF_7)] |
| Uncultured Alphaproteobacterium isolate DGGE band UA10 | DQ229324 | *Ulva australis* | [[8](#_ENREF_8)] |
| Uncultured bacterium clone OTU109 | GU451440 | *Gracilaria vermiculophylla* | [[9](#_ENREF_9)] |
| Uncultured bacterium clone OTU297 | GU451628 | *Ulva intestinalis* | [[9](#_ENREF_9)] |
| Uncultured Alphaproteobacterium CtaxAus-35 | AF259594 | *Caulerpa taxifolia* | [[5](#_ENREF_5)] |
| Gammaproteobacteria | Endocytic bacterium Noc14 | AF262740 | *Noctiluca scintillans* | [[10](#_ENREF_10)] |
| *Stenotrophomonas* sp. L167 | AM913974 | *Saccharina latissima* | [[2](#_ENREF_2)] |
| Epsilonproteobacteria | Uncultured Epsilonproteobacterium clone CC7 | DQ228213 | *Cladophora* mats | [[11](#_ENREF_11)] |
| Uncultured Epsilonproteobacterium clone CC38 | DQ228219 | *Cladophora* mats | [[11](#_ENREF_11)] |

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