|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample#** | **Cladea** | **ITS2b** | **Host origin** | **Isolate IDc** | **nr28S** | **elf2** | **cp23S** | **psbA** | **coI** | **cob** |
| 1 | C | C1 | *Amphisorus hemprichii* | 2359X [S] | JN558040 | JN557869 | JN557969 | JN557844 | JN557891 | JN557943 |
| 2 |  | C90 | *Sorites* sp. | 1355X [S] | JN558045 | JN557871 | JN557975 | JN557846 | JN557893 | JN557945 |
| 3 |  | C91 | *Sorites* sp. | 2467X [S] | JN558048 | JN557872 | JN557978 | JN557847 | JN557894 | JN557946 |
| 4 |  | C15 | *Amphisorus hemprichii* | 2361X [S] | JN558042 | JN557870 | JN557972 | JN557845 | JN557892 | JN557944 |
| 5 | H | H1 | *Sorites* sp. | 2382X [S] | JN558051 | JN557873 | JN557981 | JN557848 | JN557895 | JN557947 |
| 6 |  | H1a | *Sorites* sp. | 2350X [S] | JN558053 | JN557874 | JN557984 | JN557849 | JN557896 | JN557948 |
| 7 | F2 | F2 | *Sorites* sp. | 206J [S] | JQ247043 |  JQ277946 | JQ247052 |  JQ277935 | JQ277957 |  JQ277979 |
| 8 |  | F2a | *Sorites* sp. | 215J [S] | JQ247044 |  JQ277947 | JQ247053 |  JQ277936 | JQ277958 |  JQ277980 |
| 9 | F3 | F3.2 | *Amphisorus hemprichii* | 2551X [S] | JQ247046 |  JQ277949 | JQ247055 |  JQ277938 | JQ277960 |  JQ277982 |
| 10 |  | F3.1a | *Amphisorus hemprichii* | 3455X [S] | JQ247045 |  JQ277948 | JQ247054 |  JQ277937 | JQ277959 |  JQ277981 |
| 11 | F4 | F4.1 | *Sorites* sp. | 5121X [S] | JQ247047 |  JQ277950 | JQ247056 |  JQ277939 | JQ277961 |  JQ277983 |
| 12 |  | F4.8 | *Sorites* sp. | 2692X [S] | JQ247048 |  JQ277951 | JQ247057 |  JQ277940 | JQ277962 |  JQ277984 |
| 13 | F5 | F5.1 | *Meandrina meandrites* | RT-133 [C] | JN558063 | JN557876 | JN557996 | JN557851 | JN557898 | JN557950 |
| 14 |  | F5.1d | *Sinularia* sp. | Sin [C] | JN558069 | JN557877 | JN558000 | JN557852 | JN557899 | JN557951 |
| 15 |  | F1 | *Montipora verrucosa* | Mv [C] | JN558066 | JN557875 | JN557997 | JN557850 | JN557897 | JN557949 |
| 16 |  | F5.2g | *Montastraea faveolata* | Mf [C] | JN558072 | JN557878 | JN558004 | JN557853 | JN557900 | JN557952 |
| 17 | B | B1 | *Plexaura kuna* | 704 [C] | JN558057 | JN557879 | JN557991 | JN557854 | JN557901 | JN557953 |
| 18 |  | B2 | *Eunicea flexuosa* | Pflex [C] | JN558060 | JN557880 | JN557993 | JN557855 | JN557902 | JN557954 |
| 19 |  | B19a | *Plexaura kuna* | 703 [C] | JN558055 | JN557881 | JN557987 | JN557856 | JN557903 | JN557955 |
| 20 | I | I1 | *Sorites* sp. | OHU7 [S] | FN561559 |  JQ277955 | FN561563 | JQ277944 | JQ277966 | JQ277988 |
| 21 |  | I2 | *Sorites* sp. | OHU3 [S] | FN561560 |  JQ277956 | FN561564 | JQ277945 | JQ277967 | JQ277989 |
| 22 | D1 | D1 | *Acropora* sp. | A001 [C] | JN558075 | JN557882 | JN558007 | JN557857 | JN557904 | JN557956 |
| 23 |  | D1a | unknown anenome | Ap02 [C] | JN558078 | JN557883 | JN558010 | JN557858 | JN557905 | JN557957 |
| 24 | D2 | D1.1 | *Marginopora vertebralis* | 2485X [S] | JQ247049 |  JQ277952 | JQ247058 |  JQ277941 | JQ277963 |  JQ277985 |
| 25 |  | D1.2 | *Haliclona koremella*  | HK [C] | JN558081 | JN557884 | JN558013 | JN557859 | JN557906 | JN557958 |
| 26 | G1 | G2 | *Marginopora vertebralis* | 2479X [S] | JN558089 | JN557885 | JN558019 | JN557860 | JN557907 | JN557959 |
| 27 |  | G2b | *Marginopora vertebralis* | 3590X [S] | JN558088 | N/A | JN558017 | JN557861 | JN557908 | JN557960 |
| 28 | G2 | G2.1\* | *Cliona orientalis* | OR2 [S] | JQ247050 |  JQ277953 | JQ247059 | JQ277942 | JQ277964 | JQ277986 |
| 29 |  | G2.2\* | *Cliona orientalis* | RN3 [S] | JQ247051 |  JQ277954 | JQ247060 | JQ277943 | JQ277965 | JQ277987 |
| 30 | E | E1 | *Anthopleura elegantissima* | RT-383 [C] | JN558084 | N/A | JN558015 | JN557862 | JN557909 | JN557961 |
| 31 | A | A2\_1 | *Bartholomea annulata* | RT-23 [C] | JN558097 | JN557887 | JN558029 | JN557864 | JN557911 | JN557963 |
| 32 |  | A2\_2 | *Gorgonia ventallina* | RT-89 [C] | JN558100 | JN557888 | JN558032 | JN557865 | JN557912 | JN557964 |
| 33 |  | A3 | *Pseudoplexaura porosa* | 725 [C] | JN558091 | JN557889 | JN558021 | JN557866 | JN557913 | JN557965 |
| 34 |  | A13 | *Plexaura kuna* | 708 [C] | JN558094 | JN557886 | JN558027 | JN557863 | JN557910 | JN557962 |
| Outgroup1 | *G. simplex* | N/A | *N/A* | CCMP419 [C] | JN558103 | JN557890 | JN558033 | JN557867 | JN557914 | JN557966 |
| Outgroup2 | *P. beii* | N/A | *N/A* | PB-1 [C] | JN558106 | N/A | N/A | N/A | JN557915 | JN557967 |
| Outgroup3 | *P. glacialis* | N/A | N/A | CCMP1383 [C] | JN558108 | N/A | JN558036 | JN557868 | JN557916 | JN557968 |

**a**Letters A to H refer to the *Symbiodinium* clades, and lineages D1-D2, F2-F5, and G1-G2 are the *Symbiodinium* sub-clades. **b**Alpha-numeric names correspond to *Symbiodinium* *ITS-2* rDNA molecular taxonomy sensu Pochon et al. (2007). Letters correspond to the *Symbiodinium* clades, and numbers correspond to a specific *ITS-2* sequence. All samples are genetically distinct, except for *Symbiodinium* A2, which was found in two distinct cultures and referred here to as A2\_1 and A2\_2.Types D1.1 and D1.2 corresponds to the symbionts of the foraminifer *M. vertebralis* and the sponge *Haliclona koremella*, respectively (see Pochon et al. 2007 for details), and were previously described as belonging to *Symbiodinium* sub-clade D1 (Garcia et al. 2005; Pochon et al. 2006), but reclassified here as sub-clade D2. Sub-clade D1 contains *Symbiodinium* strains that are commonly associated with Scleractinian corals, such as symbiont ITS2 types D1 and D1a (Stat and Gates 2011).Types G2 and G2b belong to sub-clade G1 as shown in Pochon et al. 2012; \*Indicates new *ITS-2* sequences; novel types G2.1 and G2.2 belong to sub-clade G2 following Hill et al. (2011). **c**Samples ID are followed by [C] if DNA was extracted from a culture, or [S] if extracted from a symbiotic host. All GenBank accession numbers starting with the letters ‘JQ’ were obtained in the present study.