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| Sample | Expected Taxonomy | Detected Taxonomy |
|   |   | Phylum (85%) | Class (90%) | Order (90%) | Family (95%) | Genus (98%) | Species (99%) |
| DI 1 | *Dictyota sp.* | (unassigned) | Phaeophyceae | Dictyotales | Dictyotaceae | *Dictyopteris* |  |
| DI 2 | *Dictyota sp.* | Rhodophyta | Florideophyceae | Ceramiales | Rhodomelaceae |  |  |
| DI 3 | *Dictyota sp.* | Arthropoda | Hexanauplia | Harpacticoida | Dactylopusiidae |  |  |
| DI 4 | *Dictyota sp.* | Rhodophyta | Florideophyceae | Ceramiales | Rhodomelaceae | *Lomentaria* |  |
| DI 5 | *Dictyota sp.* | Rhodophyta | Florideophyceae | Ceramiales | Rhodomelaceae | *Neosiphonia* |  |
| LV 1 | *Lobophora variegata* | (unassigned) | Phaeophyceae | Dictyotales | Dictyotaceae | *Lobophora* |  |
| LV 2 | *Lobophora variegata* | (unassigned) | Phaeophyceae | Dictyotales | Dictyotaceae | *Lobophora* |  |
| LV 3 | *Lobophora variegata* | (unassigned) | Phaeophyceae | Dictyotales | Dictyotaceae | *Lobophora* |  |
| LV 4 | *Lobophora variegata* | (unassigned) | Phaeophyceae | Dictyotales | Dictyotaceae | *Lobophora* |  |
| LV 5 | *Lobophora variegata* | (unassigned) | Phaeophyceae | Dictyotales | Dictyotaceae | *Lobophora* |  |
| CY 1 | red filamentous sp. unknown | Cyanobacteria | (unassigned) | Oscillatoriales | Oscillatoriaceae | *Moorea* | *producens* |
| CY 2 | red filamentous sp. unknown | Cyanobacteria | (unassigned) | Oscillatoriales | Oscillatoriaceae |  |  |
| CY 3 | red filamentous sp. unknown | Cyanobacteria | (unassigned) | Oscillatoriales | Oscillatoriaceae | *Moorea* | *producens* |
| CN 1 | *Chondrilla sp.* | Porifera | Demospongiae | Chondrillida | Chondrillidae | *Chondrilla* |  |
| CN 2 | *Chondrilla sp.* | Porifera | Demospongiae | Chondrillida | Chondrillidae | *Chondrilla* |  |
| CN 3 | *Chondrilla sp.* | Porifera | Demospongiae | Chondrillida | Chondrillidae | *Chondrilla* |  |
| HC 1 | *Halisarca caerulea* | Porifera | Demospongiae | Dendroceratida | Halisarcidae\* |  |  |
| HC 2 | *Halisarca caerulea* | Porifera | Demospongiae | Dendroceratida | Halisarcidae |  |  |
| HC 3 | *Halisarca caerulea* | Porifera | Demospongiae | Dendroceratida | Halisarcidae |  |  |
| SR 1 | *Scopalina ruetzleri* | Porifera | Demospongiae | Bubarida | Dictyonellidae | *Scopalina* | *ruetzleri* |
| SR 2 | *Scopalina ruetzleri* | Porifera | Demospongiae | Bubarida | Dictyonellidae | *Scopalina* | *ruetzleri* |
| SR 3 | *Scopalina ruetzleri* | Porifera | Demospongiae | Bubarida | Dictyonellidae | *Scopalina* | *ruetzleri* |
| XM 1 | *Xestospongia muta* | Porifera | Demospongiae | Haplosclerida | Petrosiidae | *Xestospongia* |  |
| XM 2 | *Xestospongia muta* | Porifera | Demospongiae | Haplosclerida | Petrosiidae | *Xestospongia* |  |
| XM 3 | *Xestospongia muta* | Porifera | Demospongiae | Haplosclerida | Petrosiidae | *Xestospongia* | *muta* |
| XM 4 | *Xestospongia muta* | Porifera | Demospongiae | Haplosclerida | Petrosiidae | *Xestospongia* |  |
| XM 5 | *Xestospongia muta* | Porifera | Demospongiae | Haplosclerida | Petrosiidae | *Xestospongia* | *muta* |
|  | \*the sample matched to the expected genus (*Halisarca*) just below our genus-level threshold with a score of 0.96 |