**Supplementary Table 2 - Reference papers and published keys to all genera and species of Scleractinian corals identified in this study.**

|  |  |
| --- | --- |
| **Taxon** | **Literature** |
| Scleractinia (order) | Stanley Jr., 2003; |
| Dendrophylliidae (family) | Cairns, 2002 |
| *Balanophyllia* (genus) | Cairns, 2002; Cairns and Kitahara, 2012; Filander et al., 2021 |
| *Dendrophyllia* (genus) | Cairns, 2002; Cairns and Kitahara, 2012; Filander et al., 2021 |
| *Enallopsammia* (genus) | Cairns, 2002; Cairns and Kitahara, 2012; Filander et al., 2021 |
| Faviidae (family) | Baron-Szabo, 2018; Zibrowius et al., 2014 |
| *Favia fragum* (species) | Riegl, 1996; Cuif and Perrin, 1999; Baron-Szabo, 2018; Laborel, 1974; Zlatarski and Martínez-Estalella, 2018 |
| *Favia gravida* (species) | Riegl, 1996; Cuif and Perrin, 1999; Baron-Szabo, 2018; Laborel, 1974; Zlatarski and Martínez-Estalella, 2018 |
| *Madracis pharensis* (species) | Özalp and Alparslan, 2015; Neves and Johnsson, 2009; Benzoni et al., 2018; Diekmann, 2003 |
| *Porites* (genus) | Pichon, 2011; Bernard, 1906; |
| *Porites porites* (species) | Pichon, 2011; Bernard, 1906; Cairns and Kitahara, 2012; Humblet et al., 2015 |
| *Siderastrea* (genus) | Zibrowius et al., 2014; Foster, 1980; Neves et al., 2016; Menezes et al., 2014 |
| *Siderastrea radians* (species) | Neves et al. 2016 |
| *Siderastrea siderea* (species) | Neves et al., 2016 |

**References for Supplementary Table 2**

**Baron-Szabo, R.C.**, 2018. Nomenclatural notes on the genus *Favia* (Anthozoa: Scleractinia: Faviina: Faviidae). *Proceedings of the Biological Society of Washington* **131**, 197–201.

**Benzoni, F., Arrigoni, R., Berumen, M.L., Taviani, M., Bongaerts, P., Frade, P.R.**, 2018. Morphological and genetic divergence between Mediterranean and Caribbean populations of *Madracis pharensis* (Heller 1868) (Scleractinia, Pocilloporidae): too much for one species? *Zootaxa* **4471**, 473–492.

**Bernard, H.M.**, 1906. *Catalogue of the Madreporarian Corals in the British Museum (Natural History)*. Vol. VI, *The Family Poritidae*. II, *The Genus Porites*. Part II, *Porites of the Atlantic West Indies, with the European Fossil Forms*. British Museum of Natural History, Department of Zoology, London.

**Cairns, S.D.**, 2002. *Dendrophylliina*. Dendrophylliidae Gray 1847. Version 28. October 2002. Tree of Life Web Project. <http://tolweb.org/Dendrophylliidae/19165/2002.10.28>.

**Cairns, S.D., Kitahara, M.V.**, 2012. An illustrated key to the genera and subgenera of the Recent azooxanthellate Scleractinia (Cnidaria, Anthozoa), with an attached glossary. *ZooKeys* **227**, 1.

**Cuif, J.P., Perrin, C.**, 1999. Micromorphology and microstructure as expressions of scleractinian skeletogenesis in *Favia fragum* (Esper, 1795) (Faviidae, Scleractinia). *Zoosystema* **21**, 137–156.

**Diekmann, O.E.**, 2003. The Coral Genus *Madracis*: Speciation in Corals and Their Symbionts. PhD thesis, University of Amsterdam, Amsterdam.

**Filander, Z.N., Kitahara, M.V., Cairns, S.D., Sink, K.J., Lombard, A.T.**, 2021. Azooxanthellate Scleractinia (Cnidaria, Anthozoa) from South Africa. *ZooKeys* **1066**, 1–198.

**Foster, A.B.**, 1980. Ecology and morphology of the Caribbean Mio-Pliocene reef-coral *Siderastrea*. *Acta Palaeontologica Polonica* **25**, 439–450.

**Humblet, M., Hongo, C., Sugihara, K.**, 2015. An identification guide to some major Quaternary fossil reef‐building coral genera (*Acropora*, *Isopora*, *Montipora*, and *Porites*). *Island Arc* **24**, 16–30.

**Laborel, J.**, 1974. West African reef corals: an hypothesis on their origin. In: *Proceedings of the Second International Coral Reef Symposium* *1*. Great Barrier Reef Committee, Brisbane, pp. 425–443.

**Menezes, N., Neves, E., Kikuchi, R.K.P., Johnsson, R.**, 2014. Morphological variation in the Atlantic genus *Siderastrea* (Anthozoa, Scleractinia). *Papéis Avulsos de Zoologia* **54**(16), 199–208.

**Neves, E., Johnsson, R.**, 2009. Taxonomic revision of the southwestern Atlantic Madracis and the description of *Madracis fragilis* n. sp. (Scleractinia: Pocilloporidae), a new coral species from Brazil. *Scientia Marina* **73**, 739–746.

**Neves, E., Silveira, F., Johnsson, R.**, 2016. Cnidaria, Scleractinia, Siderastreidae, *Siderastrea siderea* (Ellis and Solander, 1786): Hartt Expedition and the first record of a Caribbean siderastreid in tropical southwestern Atlantic. *Check List* **6**, 505.

**Özalp, H. B., Alparslan, M.**, 2015. Distribution and morphology of the colonial scleractinian *Madracis pharensis* (Cnidaria, Anthozoa) in the Dardanelles (Marmara Sea, Turkey). *Acta Zoologica Bulgarica* **67**, 429–434.

**Pichon, M.**, 2011. Porites. In: Hopley, D. (Ed.), *Encyclopedia of Modern Coral Reefs*. Encyclopedia of Earth Sciences Series. Springer, Dordrecht, Netherlands, pp. 753–825.

**Riegl, B.**, 1996. Corals of the South-West Indian Ocean IV. The Hard Coral Family Faviidae Gregory, 1900 (Scleractinia: Faviina). South African Association for Marine Biological Research: Oceanographic Research Institute Investigational Report 70. Oceanographic Research Institute, Durban.

**Stanley, G.D., Jr.**, 2003. The evolution of modern corals and their early history. *Earth-Science Reviews* **60**, 195–225.

**Zibrowius, H., Wirtz, P., Nunes, F.L., Hoeksema, B.W., Benzoni, F.**, 2014. Shallow-water scleractinian corals of Ascension Island, central South Atlantic. *Journal of the Marine Biological Association of the United Kingdom* **97**, 713–725.

**Zlatarski, V.N., Martínez-Estalella, N.**, 2018. *Los escleractínios de Cuba*. Instituto de Oceanología de Cuba, Havana.