**Supplementary File 1**

Details of specimens of *Atlantia caboverdiana* (Anthozoa, Dedrophylliidae) used for morphological comparison. All material is deposited at the Museu Nacional do Rio de Janeiro.

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| **Specie** | **Sample location** | **Depth** | **Color mprph** | **Museum number** | **ID sample for DNA** |
| *Atlantia caboverdiana* | Tarrafal, Santiago Island | 6-10 m | Orange | MNRJ 9108 | CVL1 |
| *Atlantia caboverdiana* | Tarrafal, Santiago Island | 6-10 m | Orange | MNRJ 9109 | CVL2 |
| *Atlantia caboverdiana* | Tarrafal, Santiago Island | 6-10 m | Orange | MNRJ 9110 | CVL3 |
| *Atlantia caboverdiana* | Tarrafal, Santiago Island | 6-10 m | Orange | MNRJ 9111 | CVL4 |
| *Atlantia caboverdiana* | Tarrafal, Santiago Island | 6-10 m | Yellow | MNRJ 9113 | CVA5 |
| *Atlantia caboverdiana* | Tarrafal, Santiago Island | 6-10 m | Yellow | MNRJ 9114 | CVA6 |
| *Atlantia caboverdiana* | Tarrafal, Santiago Island | 6-10 m | Yellow | MNRJ 9115 | CVA7 |