**Appendix 1. Sequence details.** Detailed information regarding each specimen sequenced including sample ID, date of collection, Country, GPS coordinates of collection sites, forward and reverse primer names, and the assigned accession number for retrieving sequence data on the public genetic sequence database, Genbank ([www.ncbi.nlm.nih.gov/Genbank)](http://www.ncbi.nlm.nih.gov/Genbank)).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sequence ID** | **Collection date** | **Country** | **GPS Coordinates** | **Forward primer** | **Reverse primer** | **Accession**  **number** |
| ACHO\_BAMZ\_210 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871566 |
| ACHO\_BAMZ\_211 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871576 |
| ACHO\_BAMZ\_212 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871567 |
| ACHO\_BAMZ\_213 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871578 |
| ACHO\_BAMZ\_214 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871568 |
| ACHO\_BAMZ\_215 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871569 |
| ACHO\_BAMZ\_216 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871570 |
| ACHO\_BAMZ\_217 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871571 |
| ACHO\_EAST\_1 | July/Aug\_2017 | Bermuda | 32.249N\_64.826W | C\_FishF1t1 | C\_FishR1t1 | MK871562 |
| ACHO\_EAST\_11 | July/Aug\_2017 | Bermuda | 32.249N\_64.826W | C\_FishF1t1 | C\_FishR1t1 | MK871561 |
| ACHO\_EAST\_15 | July/Aug\_2017 | Bermuda | 32.249N\_64.826W | C\_FishF1t1 | C\_FishR1t1 | MK871572 |
| ACHO\_EAST\_3 | July/Aug\_2017 | Bermuda | 32.249N\_64.826W | C\_FishF1t1 | C\_FishR1t1 | MK871563 |
| ACHO\_EAST\_4 | July/Aug\_2017 | Bermuda | 32.249N\_64.826W | C\_FishF1t1 | C\_FishR1t1 | MK871577 |
| ACHO\_EAST\_6 | July/Aug\_2017 | Bermuda | 32.249N\_64.826W | C\_FishF1t1 | C\_FishR1t1 | MK871580 |
| ACHO\_EAST\_7 | July/Aug\_2017 | Bermuda | 32.249N\_64.826W | C\_FishF1t1 | C\_FishR1t1 | MK871564 |
| ACHO\_EAST\_8 | July/Aug\_2017 | Bermuda | 32.249N\_64.826W | C\_FishF1t1 | C\_FishR1t1 | MK871579 |
| ACHO\_WEST\_148 | July/Aug\_2017 | Bermuda | 32.256N\_64.874W | C\_FishF1t1 | C\_FishR1t1 | MK871573 |
| ACHO\_WEST\_149 | July/Aug\_2017 | Bermuda | 32.256N\_64.874W | C\_FishF1t1 | C\_FishR1t1 | MK871574 |
| ACHO\_WEST\_150 | July/Aug\_2017 | Bermuda | 32.256N\_64.874W | C\_FishF1t1 | C\_FishR1t1 | MK871575 |
| ACHO\_WEST\_151 | July/Aug\_2017 | Bermuda | 32.256N\_64.874W | C\_FishF1t1 | C\_FishR1t1 | MK871565 |
| OPIO\_BAMZ\_21 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871654 |
| OPIO\_BAMZ\_22 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871648 |
| OPIO\_BAMZ\_23 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871649 |
| OPIO\_BAMZ\_24 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871650 |
| OPIO\_BAMZ\_25 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871651 |
| OPIO\_DEEP\_115 | July/Aug\_2017 | Bermuda | 32.306N\_64.803W | C\_FishF1t1 | C\_FishR1t1 | MK871655 |
| OPIO\_DEEP\_116 | July/Aug\_2017 | Bermuda | 32.306N\_64.803W | C\_FishF1t1 | C\_FishR1t1 | MK871652 |
| OPIO\_DEEP\_117 | July/Aug\_2017 | Bermuda | 32.306N\_64.803W | C\_FishF1t1 | C\_FishR1t1 | MK871653 |
| HYPO\_BAILEYS\_134 | July/Aug\_2017 | Bermuda | 32.349N\_64.723W | C\_FishF1t1 | C\_FishR1t1 | MK871618 |
| HYPO\_BAILEYS\_135 | July/Aug\_2017 | Bermuda | 32.349N\_64.723W | C\_FishF1t1 | C\_FishR1t1 | MK871619 |
| HYPO\_BAMZ\_53 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871611 |
| HYPO\_BAMZ\_55 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871612 |
| HYPO\_BAMZ\_57 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871620 |
| HYPO\_BAMZ\_59 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871621 |
| HYPO\_BAMZ\_60 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871622 |
| HYPO\_BAMZ\_61 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871608 |
| HYPO\_BAMZ\_95 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871613 |
| HYPO\_BAMZ\_96 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871614 |
| HYPO\_FRANKS\_50 | July/Aug\_2017 | Bermuda | 32.255N\_64.857W | C\_FishF1t1 | C\_FishR1t1 | MK871623 |
| HYPO\_FRANKS\_51 | July/Aug\_2017 | Bermuda | 32.255N\_64.857W | C\_FishF1t1 | C\_FishR1t1 | MK871624 |
| HYPO\_FRANKS\_52 | July/Aug\_2017 | Bermuda | 32.255N\_64.857W | C\_FishF1t1 | C\_FishR1t1 | MK871625 |
| HYPO\_FRANKS\_9 | July/Aug\_2017 | Bermuda | 32.255N\_64.857W | C\_FishF1t1 | C\_FishR1t1 | MK871626 |
| HYPO\_FRANKS\_9B | July/Aug\_2017 | Bermuda | 32.255N\_64.857W | C\_FishF1t1 | C\_FishR1t1 | MK871627 |
| HYPO\_FRANKS\_9C | July/Aug\_2017 | Bermuda | 32.255N\_64.857W | C\_FishF1t1 | C\_FishR1t1 | MK871615 |
| HYPO\_FRANKS\_9D | July/Aug\_2017 | Bermuda | 32.255N\_64.857W | C\_FishF1t1 | C\_FishR1t1 | MK871628 |
| HYPO\_WEST\_140 | July/Aug\_2017 | Bermuda | 32.364N\_64.714W | C\_FishF1t1 | C\_FishR1t1 | MK871616 |
| HYPO\_WEST\_141 | July/Aug\_2017 | Bermuda | 32.364N\_64.714W | C\_FishF1t1 | C\_FishR1t1 | MK871629 |
| HYPO\_WEST\_145 | July/Aug\_2017 | Bermuda | 32.364N\_64.714W | C\_FishF1t1 | C\_FishR1t1 | MK871630 |
| HYPO\_WEST\_155 | July/Aug\_2017 | Bermuda | 32.364N\_64.714W | C\_FishF1t1 | C\_FishR1t1 | MK871609 |
| HYPO\_WEST\_156 | July/Aug\_2017 | Bermuda | 32.364N\_64.714W | C\_FishF1t1 | C\_FishR1t1 | MK871631 |
| HYPO\_WEST\_158 | July/Aug\_2017 | Bermuda | 32.364N\_64.714W | C\_FishF1t1 | C\_FishR1t1 | MK871632 |
| HYPO\_WEST\_159 | July/Aug\_2017 | Bermuda | 32.364N\_64.714W | C\_FishF1t1 | C\_FishR1t1 | MK871610 |
| HYPO\_WEST\_160 | July/Aug\_2017 | Bermuda | 32.364N\_64.714W | C\_FishF1t1 | C\_FishR1t1 | MK871617 |
| SARD\_BAMZ\_26 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871646 |
| SARD\_BAMZ\_27 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871647 |
| HAHU\_BAMZ\_81 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871641 |
| HAHU\_BAMZ\_82 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871642 |
| HAHU\_BAMZ\_83 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871633 |
| HAHU\_BAMZ\_85 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871640 |
| HAHU\_BAMZ\_86 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871634 |
| HAHU\_BAMZ\_87 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871639 |
| HAHU\_CO\_1 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871638 |
| HAHU\_CO\_3 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871637 |
| HAHU\_CO\_5 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871636 |
| HAHU\_CO\_6 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871635 |
| JLAM\_BAMZ\_171 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871588 |
| JLAM\_BAMZ\_172 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871593 |
| JLAM\_BAMZ\_173 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871594 |
| JLAM\_BAMZ\_174 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871582 |
| JLAM\_BAMZ\_175 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871592 |
| JLAM\_BAMZ\_176 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871595 |
| JLAM\_BAMZ\_177 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871589 |
| JLAM\_BAMZ\_178 | July/Aug\_2017 | Bermuda | 32.323N\_64.738W | C\_FishF1t1 | C\_FishR1t1 | MK871590 |
| JLAM\_CO\_161 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871583 |
| JLAM\_CO\_162 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871596 |
| JLAM\_CO\_163 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871597 |
| JLAM\_CO\_164 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871598 |
| JLAM\_CO\_165 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871591 |
| JLAM\_CO\_166 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871599 |
| JLAM\_CO\_167 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871584 |
| JLAM\_CO\_168 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871600 |
| JLAM\_CO\_4 | July/Aug\_2017 | Bermuda | 32.359N\_64.715W | C\_FishF1t1 | C\_FishR1t1 | MK871585 |
| JLAM\_FRANKS\_49 | July/Aug\_2017 | Bermuda | 32.255N\_64.857W | C\_FishF1t1 | C\_FishR1t1 | MK871601 |
| JLAM\_SOUTH\_201 | July/Aug\_2017 | Bermuda | 32.275N\_64.774W | C\_FishF1t1 | C\_FishR1t1 | MK871602 |
| JLAM\_SOUTH\_202 | July/Aug\_2017 | Bermuda | 32.275N\_64.774W | C\_FishF1t1 | C\_FishR1t1 | MK871586 |
| JLAM\_SOUTH\_203 | July/Aug\_2017 | Bermuda | 32.275N\_64.774W | C\_FishF1t1 | C\_FishR1t1 | MK871581 |
| JLAM\_SOUTH\_204 | July/Aug\_2017 | Bermuda | 32.275N\_64.774W | C\_FishF1t1 | C\_FishR1t1 | MK871587 |
| JLAM\_SOUTH\_205 | July/Aug\_2017 | Bermuda | 32.275N\_64.774W | C\_FishF1t1 | C\_FishR1t1 | MK871603 |
| JLAM\_SOUTH\_206 | July/Aug\_2017 | Bermuda | 32.275N\_64.774W | C\_FishF1t1 | C\_FishR1t1 | MK871604 |
| JLAM\_SOUTH\_207 | July/Aug\_2017 | Bermuda | 32.275N\_64.774W | C\_FishF1t1 | C\_FishR1t1 | MK871605 |
| JLAM\_SOUTH\_208 | July/Aug\_2017 | Bermuda | 32.275N\_64.774W | C\_FishF1t1 | C\_FishR1t1 | MK871606 |
| JLAM\_TURTLE\_255 | July/Aug\_2017 | Bermuda | 32.354N\_64.657W | C\_FishF1t1 | C\_FishR1t1 | MK871607 |