|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Morphotype** | **Entity** | **Locality** | **GenBank #** | **Reference** |
|  |  |  |  |  |
| ***Cephalothrix* spp.** |  |  |  |  |
| *C* sp.  | E.1 | Bocas del Toro | KM083820 | Present study |
| *C* sp.  | E.2 | French Polinesia | KC706830 | Leray et al. 2013 |
| *C.* alba | E.3 | Bocas del Toro | GU726677  | Chen et al. 2010 |
| *C.* alba | E.3 | Bocas del Toro | GU726679 | Chen et al. 2010 |
| *C.* alba | E.3 | Belize  | GU726682 | Chen et al. 2010 |
| *C.* alba | E.3 | Belize | KM083817 | Present study |
| *C.* alba | E.3 | Belize | KM083818  | Present study |
| *C.* alba | E.4 | Naos | KM083819  | Present study |
| *C.* alba | E.5 | Japan | GU726666  | Chen et al. 2010 |
| *C* sp.  | E.6 | Hawaii | GU726633 | Chen et al. 2010 |
| *C* sp.  | E.6 | Hawaii | GU726634 | Chen et al. 2010 |
| *C. filiformis* | E.7 | Japan | GU726635 | Chen et al. 2010 |
| *C. filiformis* | E.7 | Japan | GU726637 | Chen et al. 2010 |
| *C. filiformis* | E.7 | Japan | GU726645 | Chen et al. 2010 |
| *C spiralis*  | E.8 | USA, WA | GU726648 | Chen et al. 2010 |
| *C spiralis*  | E.8 | USA, AK | GU726709 | Chen et al. 2010 |
| *C spiralis*  | E.8 | USA, OR | GU726692 | Chen et al. 2010 |
| *C spiralis*  | E.8 | USA, OR | GU726693 | Chen et al. 2010 |
| *C spiralis*  | E.8 | USA, OR | GU726694 | Chen et al. 2010 |
| *C spiralis*  | E.8 | USA, OR | GU726695 | Chen et al. 2010 |
| *C spiralis*  | E.8 | USA, OR | GU726696 | Chen et al. 2010 |
| *C spiralis*  | E.8 | USA, AK | GU726712 | Chen et al. 2010 |
| *C spiralis*  | E.8 | USA, AK | GU726710 | Chen et al. 2010 |
| *C spiralis*  | E.8 | USA, AK | GU726711 | Chen et al. 2010 |
| *C spiralis*  | E.9 | USA, ME | GU726699 | Chen et al. 2010 |
| *C spiralis*  | E.9 | USA, ME | GU726701 | Chen et al. 2010 |
| *C spiralis*  | E.9 | USA, ME | GU726703 | Chen et al. 2010 |
| *C spiralis*  | E.9 | USA, ME | GU726706 | Chen et al. 2010 |
| *C spiralis*  | E.9 | USA, MA | GU726707 | Chen et al. 2010 |
| *C spiralis*  | E.9 | USA, MA | GU726708 | Chen et al. 2010 |
| *C spiralis*  | E.9 | USA, ME | GU726698 | Chen et al. 2010 |
| *C spiralis*  | E.9 | USA, ME | GU726697 | Chen et al. 2010 |
| *C. linearis* | E.10 | Russia | GU726652 | Chen et al. 2010 |
| *C. linearis* | E.10 | Russia | GU726653  | Chen et al. 2010 |
| *C. spiralis* | E.10 | Russia | GU726649 | Chen et al. 2010 |
| *C. spiralis* | E.10 | Russia | GU726650 | Chen et al. 2010 |
| *C* sp.  | E.11 | Japan | GU726667 | Chen et al. 2010 |
| *C* sp.  | E.12 | Bocas del Toro | GU726680 | Chen et al. 2010 |
| *C* sp.  | E.12 | Bocas del Toro | KM083809  | Present study |
| *C* sp.  | E.12 | Bocas del Toro | KM083810  | Present study |
| *C* sp.  | E.13 | Bocas del Toro | KM083811  | Present study |
| *C. rufifrons*  | E.14 | Sweden | GU726593 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | UK | GU726632 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726688 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | UK | GU726601 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726598 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726594 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726591 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726590 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726592 | Chen et al. 2010 |
| *C. rufifrons* | E.14 | Sweden | GU726596 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | UK | GU726603 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | UK | GU726602 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | UK | GU726604 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726599 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726597 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726605 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726728 | Chen et al. 2010 |
| *C. rufifrons*  | E.14 | Sweden | GU726713 | Chen et al. 2010 |
| *C. rufifrons*  | E.15 | France, Roscoff | GU726673 | Chen et al. 2010 |
| *C. rufifrons*  | E.15 | France, Roscoff | GU726674 | Chen et al. 2010 |
| *C. rufifrons*  | E.15 | France, Roscoff | GU726675 | Chen et al. 2010 |
| *C. rufifrons*  | E.15 | France, Roscoff | GU726676 | Chen et al. 2010 |
| *C. rufifrons*  | E.16 | Spain | GU726616 | Chen et al. 2010 |
| *C* sp.  | E.17 | France, Roscoff | GU726670 | Chen et al. 2010 |
| *C* sp.  | E.17 | France, Roscoff | GU726671  | Chen et al. 2010 |
| *C* sp.  | E.17 | France, Roscoff | GU726672 | Chen et al. 2010 |
| *C* sp.  | E.18 | Belize | KM083815 | Present study |
| *C. simula* | E.19 | USA, CA | GU726640 | Chen et al. 2010 |
| *C* sp.  | E.20 | Bocas del Toro | GU726681 | Chen et al. 2010 |
| *C* sp.  | E.21 | Vietnam | GU726621 | Chen et al. 2010 |
| *C. hongkongiensis* | E.22 | China | GU726610 | Chen et al. 2010 |
| *C. hongkongiensis* | E.22 | China | GU726612 | Chen et al. 2010 |
| *C. hongkongiensis* | E.22 | China | GU726613 | Chen et al. 2010 |
| *C.* sp. | E.22 | China | GU726614 | Chen et al. 2010 |
| *C. simula* | E.22 | China | GU726628 | Chen et al. 2010 |
| *C.* sp. | E.22 | Korea | GU726644 | Chen et al. 2010 |
| *C.* sp. | E.22 | China | GU726617 | Chen et al. 2010 |
| *C. simula* | E.23 | Russia | GU726607 | Chen et al. 2010 |
| *C.* sp.  | E.23 | China | GU726618 | Chen et al. 2010 |
| *C.* sp.  | E.23 | Russia | GU726608 | Chen et al. 2010 |
| *C.* sp.  | E.23 | China | GU726624 | Chen et al. 2010 |
| *C. simula* | E.24 | Spain, Atl | JX453468 | Fernández-Álvarez, Machordom 2013  |
| *C. simula* | E.24 | Spain, Med | JX453470 | Fernández-Álvarez, Machordom 2013 |
| *C. simula* | E.24 | Spain, Med | JX453475 | Fernández-Álvarez, Machordom 2013 |
| *C. simula* | E.24 | Spain, Med | JX453488 | Fernández-Álvarez, Machordom 2013 |
| *C.* sp.  | E.24 | Japan | GU726620 | Chen et al. 2010 |
| *C* sp.  | E.24 | Japan | GU726664 | Chen et al. 2010 |
| *C* sp.  | E.24 | Japan | GU726661 | Chen et al. 2010 |
| *C* sp. | E.24 | China | GU726615 | Chen et al. 2010 |
| *C* sp.  | E.24 | Japan | GU726622 | Chen et al. 2010 |
| *C. simula* | E.25 | Russia | GU726609 | Chen et al. 2010 |
| *C. simula* | E.25 | Japan | GU726642 | Chen et al. 2010 |
| *C* sp.  | E.25 | Russia | GU726641 | Chen et al. 2010 |
| *C* sp.  | E.25 | Japan | GU726662 | Chen et al. 2010 |
| *C* sp.  | E.25 | Japan | GU726663 | Chen et al. 2010 |
| *C* sp.  | E.26 | Belize | KM083814 | Present study |
| *C. fasciculus* | E.27 | Japan | GU726623 | Chen et al. 2010 |
| *C* sp.  | E.28 | Bocas del Toro | KM083812  | Present study |
| *C* sp.  | E.29 | Belize | KM083813  | Present study |
| *C* sp.  | E.30 | Panama | KM083816 | Present study |
| *C* sp.  | E.31 | China | GU726629 | Chen et al. 2010 |
| *C* sp.  | E.31 | China | GU726630 | Chen et al. 2010 |
| *C. major* | E.32 | USA, OR | GU726689 | Chen et al. 2010 |
| *C. major* | E.32 | USA, OR | GU726690 | Chen et al. 2010 |
| *C. major* | E.32 | USA, OR | GU726691 | Chen et al. 2010 |
|  |  |  |  |  |
| ***Ototyphlonemertes spp.*** |  |  |  |  |
| *O. lactea* | E.1 | Belize | KM083840 | Present study |
| *O. lactea* | E.1 | Belize | KM083863 | Present study |
| *O. lactea* | E.1 | Belize | KM083874 | Present study |
| *O. lactea* | E.2 | Belize | KM083826  | Present study |
| *O. lactea* | E.2 | Belize | KM083836 | Present study |
| *O. lactea* | E.2 | Belize | KM083852 | Present study |
| *O. lactea* | E.2 | Belize | KM083864 | Present study |
| *O. lactea* | E.2 | Belize | KM083888 | Present study |
| *O. santacruzensis* | E.3 | Belize | KM083822 | Present study |
| *O. santacruzensis* | E.3 | Belize | KM083851 | Present study |
| *O. santacruzensis* | E.3 | Belize | KM083860 | Present study |
| *O. santacruzensis* | E.3 | Belize | KM083868 | Present study |
| *O. santacruzensis* | E.3 | Belize | KM083872 | Present study |
| *O. santacruzensis* | E.3 | Belize | KM083879 | Present study |
| *O. santacruzensis* | E.3 | Belize | KM083881 | Present study |
| *O. santacruzensis* | E.3 | Belize | KM083883 | Present study |
| *O. santacruzensis* | E.3 | Belize | KM083886 | Present study |
| *O. erneba* | E.4 | Belize | KM083844 | Present study |
| *O. erneba* | E.4 | Belize | KM083873 | Present study |
| *O. erneba* | E.4 | Belize | KM083882 | Present study |
| *O. erneba* | E.5 | Belize | KM083858 | Present study |
| *O. erneba* | E.6 | Belize | KM083845 | Present study |
| *O. erneba* | E.6 | Belize | KM083853 | Present study |
| *O. erneba* | E.6 | Belize | KM083862 | Present study |
| *O. duplex* | E.7 | Naos | KM083823 | Present study |
| *O. duplex* | E.7 | Naos | KM083824 | Present study |
| *O. duplex* | E.7 | Naos | KM083827 | Present study |
| *O. duplex* | E.7 | Naos | KM083829 | Present study |
| *O. duplex* | E.7 | Naos | KM083831 | Present study |
| *O. duplex* | E.7 | Naos | KM083832 | Present study |
| *O. duplex* | E.7 | Naos | KM083833 | Present study |
| *O. duplex* | E.7 | Naos | KM083834 | Present study |
| *O. santacruzensis* | E.8 | Belize | KM083825 | Present study |
| *O. santacruzensis* | E.8 | Belize | KM083830 | Present study |
| *O. santacruzensis* | E.8 | Belize | KM083839 | Present study |
| *O. santacruzensis* | E.8 | Bocas del Toro | KM083843 | Present study |
| *O. santacruzensis* | E.8 | Bocas del Toro | KM083865 | Present study |
| *O. santacruzensis* | E.8 | Bocas del Toro | KM083880 | Present study |
| *O. santacruzensis* | E.8 | Bocas del Toro | KM083887 | Present study |
| *O. santacruzensis* | E.9 | Bocas del Toro | KM083821 | Present study |
| *O. santacruzensis* | E.9 | Bocas del Toro | KM083835 | Present study |
| *O. santacruzensis* | E.9 | Belize | KM083849 | Present study |
| *O. macintoshi* | E.10 | Belize | KM083828 | Present study |
| *O. macintoshi* | E.10 | Belize | KM083838 | Present study |
| *O. macintoshi* | E.10 | Belize | KM083837 | Present study |
| *O. macintoshi* | E.10 | Belize | KM083841 | Present study |
| *O. macintoshi* | E.10 | Belize | KM083854 | Present study |
| *O. macintoshi* | E.10 | Belize | KM083870 | Present study |
| *O. macintoshi* | E.10 | Belize | KM083875 | Present study |
| *O. macintoshi* | E.10 | Belize | KM083884 | Present study |
| *O. duplex* | E.11 | Belize | KM083847 | Present study |
| *O. duplex* | E.11 | Belize | KM083855 | Present study |
| *O. duplex* | E.11 | Belize | KM094175 | Present study |
| *O. duplex* | E.11 | Bocas del Toro | KM083850 | Present study |
| *O. duplex* | E.11 | Bocas del Toro | KM083856 | Present study |
| *O. duplex* | E.11 | Bocas del Toro | KM083857 | Present study |
| *O. duplex* | E.11 | Bocas del Toro | KM083878 | Present study |
| *O. duplex* | E.11 | Bocas del Toro | KM083885 | Present study |
| *O. duplex* | E.11 | Bocas del Toro | KM083889 | Present study |
| *O. macintoshi* | E.12 | Bocas del Toro | KM083842 | Present study |
| *O. macintoshi* | E.13 | Naos | KM083877 | Present study |
| *O. santacruzensis* | E.14 | USA, MA | AJ436913 | Thollesson, Norenburg 2003 |
| *O. parmula* | E.15 | Naos | KM083846 | Present study |
| *O. parmula* | E.15 | Naos | KM083859 | Present study |
| *O. parmula* | E.15 | Naos | KM083867 | Present study |
| *O. erneba* | E.16 | Naos | KM083869 | Present study |
| *O. erneba* | E.17 | Naos | KM083866 | Present study |
| *O. erneba* | E.18 | Bocas del Toro | KM083848 | Present study |
| *O. erneba* | E.18 | Bocas del Toro | KM083861 | Present study |
| *O. erneba* | E.18 | Bocas del Toro | KM083871 | Present study |
| *O. erneba* | E.18 | Bocas del Toro | KM083876 | Present study |
|  |  |  |  |  |
| ***Tetrastemma* spp.** |  |  |  |  |
| *T.vermiculus* | E.1 | Spain Med | AY791997 | Strand, Sundberg 2005 |
| *T.melanocephalum* | E.2 | Spain Med | AY791982 | Strand, Sundberg 2005 |
| *T.melanocephalum* | E.2 | Spain | AY791983 | Strand, Sundberg 2005 |
| *T.melanocephalum* | E.2 | Italy | AY791987 | Strand, Sundberg 2005 |
| *T.candidum* | E.3 | Spain Atl | AY791978 | Strand, Sundberg 2005 |
| *T.candidum* | E.4 | UK | AY791973 | Strand, Sundberg 2005 |
| *T.vermiculus* | E.4 | UK | AY791996 | Strand, Sundberg 2005 |
| *T.melanocephalum* | E.5 | Sweden | AY791988 | Strand, Sundberg 2005 |
| *T.melanocephalum* | E.5 | Sweden | AY791989 | Strand, Sundberg 2005 |
| *T.flavidum* | E.6 | UK | AY791977 | Strand, Sundberg 2005 |
| *T.candidum* | E.7 | Azores | AY791974 | Strand, Sundberg 2005 |
| *T.coronatum* | E.7 | Azores | AY791975 | Strand, Sundberg 2005 |
| *T.coronatum* | E.7 | Azores | AY791976 | Strand, Sundberg 2005 |
| *T.melanocephalum* | E.8 | UK | AY791986 | Strand, Sundberg 2005 |
| *T.melanocephalum* | E.9 | Spain | AY791984 | Strand, Sundberg 2005 |
| *T.peltatum* | E.10 | Italy | AY791992 | Strand, Sundberg 2005 |
| *T.longissimum* | E.11 | Azores | AY791981 | Strand, Sundberg 2005 |
| *T.robertianae* | E.12 | Sweden | AY791994 | Strand, Sundberg 2005 |
| *T.laminariae* | E.13 | Norway | AY791979 | Strand, Sundberg 2005 |
| *T.laminariae* | E.13 | Norway | AY791980 | Strand, Sundberg 2005 |
| *T.vermiculus* | E.14 | Italy | AY791995 | Strand, Sundberg 2005 |
| *T.peltatum* | E.15 | Italy | AY791993 | Strand, Sundberg 2005 |
| *T.peltatum* | E.16 | Italy | AY791990 | Strand, Sundberg 2005 |
| *T.peltatum* | E.16 | Italy | AY791991 | Strand, Sundberg 2005 |
| *T.albidum* | E.17 | USA, FL | EF157598 | Maslakova, Norenburg 2006 |
| *T.melanocephalum* | E.18 | Florida | AY791985 | Strand, Sundberg 2005 |
| *T.*sp.20 | E.19 | Naos | KM042064  | Present work |
| *T.*sp.2 | E.20 | Belize | KM042065  | Present work |
| *T.*sp.4 | E.21 | Bocas del Toro | KM042063  | Present work |
| *T.*sp.3 | E.22 | Bocas del Toro | KM042058  | Present work |
| *T.*sp.1 | E.23 | Belize | KM042057  | Present work |
| *T.*sp.1 | E.23 | Belize | KM042059 | Present work |
| *T.*sp.1 | E.23 | Belize | KM042061  | Present work |
| *T.*sp.3 | E.24 | Bocas del Toro | KM042060  | Present work |
| *T.*sp.5 | E.25 | Naos | KM042062  | Present work |
| *T.roseocephalum* | E.26 | Japan | AB725600 | Kajihara et al. 2012 |
| *T.roseocephalum* | E.26 | Japan | AB725601 | Kajihara et al. 2012 |
| *T.roseocephalum* | E.27 | Vietnam | AB725598 | Kajihara et al. 2012 |
| *T.pimaculatum* | E.28 | Russia | AB725597 | Kajihara et al. 2012 |
| *T.roseocephalum* | E.28 | China | AB725599 | Kajihara et al. 2012 |
|  |  |  |  |  |