

Appendix K. Species Data from the Metabarcoding Matches

Table 27. Species data from the metabarcoding matches. That is, the subset of sequences that matched existing Operational Taxonomic Unit (OTU) barcodes within the Moorea Biocode database. Singletons and database hits totaling less than 10 sequences are removed.

Database Match	Taxa Level Identified	Taxa Group	Common Name	Total # of Matched Sequences
<i>Gammarus mucronatus</i>	Species	Amphipod	Amphipod	24
<i>Gammarus stalagmiticus</i>	Species	Amphipod	Amphipod	52
<i>Chthamalus dalli</i>	Species	Barnacle	Barnacle	48
<i>Haemorhous mexicanus</i>	Species	Bird	House Finch	11
<i>Gallus gallus</i>	Species	Bird	Junglefowl	93
<i>Pinna muricata</i>	Species	Bivalve	Prickly Pen Shell	15
<i>Pinctada maculata</i>	Species	Bivalve	Gulf Pearl Oyster	30
<i>Pinctada albina</i>	Species	Bivalve	Sharks Bay Shell Pearl Oyster	19,093
<i>Ophiothrix trilineata</i>	Species	Brittle Star	Brittle Star	15
<i>Macrophiothrix rhabdota</i>	Species	Brittle Star	Brittle Star	110
<i>Macrophiothrix megapoma</i>	Species	Brittle Star	Brittle Star	196
<i>Macrophiothrix demessa</i>	Species	Brittle Star	Brittle Star	1,431
<i>Macrophiothrix propinqua</i>	Species	Brittle Star	Brittle Star	8,840
<i>Canthocalanus pauper</i>	Species	Copepod	Copepod	14
<i>Acartia</i> sp. mw-2008	Genus	Copepod	Copepod	27
<i>Euchaeta marina</i>	Species	Copepod	Copepod	29
<i>Undinula vulgaris</i>	Species	Copepod	Copepod	33
<i>Paracalanus parvus</i>	Species	Copepod	Copepod	39
<i>Temora discaudata</i>	Species	Copepod	Copepod	66
<i>Cosmocalanus darwinii</i>	Species	Copepod	Copepod	81
<i>Pontellina plumata</i>	Species	Copepod	Copepod	91
<i>Scolecithrix danae</i>	Species	Copepod	Copepod	99
<i>Copilia mirabilis</i>	Species	Copepod	Copepod	168
<i>Acartia negligens</i>	Species	Copepod	Copepod	384
<i>Clausocalanus furcatus</i>	Species	Copepod	Copepod	1,219
<i>Xanthias latifrons</i>	Species	Crab	Crab	14
<i>Chlorodiella laevisissima</i>	Species	Crab	Crab	24
<i>Deckenia imitatrix</i>	Species	Crab	Freshwater Crab	30
<i>Liomera</i> sp. lp-2009	Genus	Crab	Crab	48
<i>Atergatis floridus</i>	Species	Crab	Crab	90
<i>Pseudoliomera variolosa</i>	Species	Crab	Crab	90
<i>Tweedieia laysani</i>	Species	Crab	Crab	119
<i>Euxanthus</i> sp. lp-2009	Genus	Crab	Crab	137

<i>Trapezia rufopunctata</i>	Species	Crab	Coral Crab	241
<i>Pilumnus</i> sp. Ip-2009	Genus	Crab	Crab	1,827
<i>Azadinium spinosum</i>	Species	Dinoflagellate	Dinoflagellate	360
<i>Arothron nigropunctatus</i>	Species	Fish	Pufferfish	10
<i>Parupeneus multifasciatus</i>	Species	Fish	Goatfish	10
<i>Diagramma picta</i>	Species	Fish	Grunt (Fish)	11
<i>Ctenochaetus striatus</i>	Species	Fish	Striated Surgeonfish	12
<i>Ctenochaetus strigosus</i>	Species	Fish	Kole Tang	15
<i>Lutjanus ophuysenii</i>	Species	Fish	Brown-Stripe Red Snapper	22
<i>Katsuwonus pelamis</i>	Species	Fish	Skipjack Tuna	24
<i>Centropyge argi</i>	Species	Fish	Pygmy Angelfish	29
<i>Genicanthus lamarck</i>	Species	Fish	Lamarck'S Angelfish	29
<i>Auxis thazard</i>	Species	Fish	Frigate Tuna	35
<i>Cheilinus oxycephalus</i>	Species	Fish	Snooty Wrasse	35
<i>Dascyllus trimaculatus</i>	Species	Fish	Domino Damselfish	55
<i>Chromis degruyi</i>	Species	Fish	Damselfish	83
<i>Thunnus albacares</i>	Species	Fish	Yellowfin Tuna	96
<i>Hyporhamphus quoyi</i>	Species	Fish	Longtail Garfish	106
<i>Chaetodon kleinii</i>	Species	Fish	Sunburst Butterflyfish	236
<i>Selar crumenophthalmus</i>	Species	Fish	Bigeye Scad	260
<i>Pseudanthias huchtii</i>	Species	Fish	Red Cheek Fairy Basslet	344
<i>Myripristis murdjan</i>	Species	Fish	Soldierfish	635
<i>Cheilinus chlorourus</i>	Species	Fish	Floral Wrasse	1,494
<i>Acanthocybium solandri</i>	Species	Fish	Wahoo	2,069
<i>Euthynnus affinis</i>	Species	Fish	Mackerel Tuna	4,008
<i>Pseudanthias squamipinnis</i>	Species	Fish	Lyretail Coralfish	4,363
<i>Pictichromis paccagnellae</i>	Species	Fish	Royal Dottyback (Fish)	24,444
<i>Paragoniastrea australensis</i>	Species	Hard Coral	Hard Coral	10
<i>Cyphastrea serailia</i>	Species	Hard Coral	Hard Coral	24
<i>Tubastraea coccinea</i>	Species	Hard Coral	Orange Cup Coral	409
<i>Agaricia agaricites</i>	Species	Hard Coral	Lettuce Coral	888
<i>Leptastrea purpurea</i>	Species	Hard Coral	Hard Coral	3,218
<i>Porites astreoides</i>	Species	Hard Coral	Mustard Hill Coral	15,636
<i>Drosophila signata</i>	Species	Insect	Fly	13
<i>Paratrechina longicornis</i>	Species	Insect	Longhorn Crazy Ant	15
<i>Cotesia rubecula</i>	Species	Insect	Wasp	17
<i>Cotesia congregata</i>	Species	Insect	Wasp	18
<i>Sycophila taprobanica</i>	Species	Insect	Wasp	22
<i>Pseudevadne tergestina</i>	Species	Insect	Water Flea	29
<i>Cryptotermes brevis</i>	Species	Insect	West Indian Drywood Termite	1,220
<i>Trichomyrmex destructor</i>	Species	Insect	Destructive Trailing Ant/Singapore Ant	1,316

<i>Culex quinquefasciatus</i>	Species	Insect	Mosquito	1,379
<i>Rattus norvegicus</i>	Species	Mammal	Brown Rat	15
<i>Sus scrofa</i>	Species	Mammal	Wild Boar	56
<i>Homo sapiens</i>	Species	Mammal	Human	7,830
<i>Lyncina lynx</i>	Species	Marine Snail	Cowry	10
<i>Purpuradusta minoridens</i>	Species	Marine Snail	Cowry	13
<i>Mitromorpha metula</i>	Species	Marine Snail	Cone Snail	15
<i>Erosaria beckii</i>	Species	Marine Snail	Cowry	16
<i>Turbo petholatus</i>	Species	Marine Snail	Tuban Shell	20
<i>Haminoea</i> sp. 3 maem-2006	Genus	Marine Snail	Bubble Shell	23
<i>Notadusta punctata</i>	Species	Marine Snail	Cowry	30
<i>Erosaria labrolineata</i>	Species	Marine Snail	Cowry	33
<i>Tympanotonus fuscatus</i>	Species	Marine Snail	Mud Creeper	37
<i>Astrarium rhodostomum</i>	Species	Marine Snail	Turban Shell	42
<i>Micromelo undata</i>	Species	Marine Snail	Bubble Snail	53
<i>Staphylaea staphylaea</i>	Species	Marine Snail	Cowry	55
<i>Asteronotus cespitosus</i>	Species	Marine Snail	Nudibranch	272
<i>Bistolida ursellus</i>	Species	Marine Snail	Cowry	523
<i>Erato</i> sp. 1-cm-2003	Genus	Marine Snail	Bean Cowry	524
<i>Parougia albomaculata</i>	Species	Marine Worm	Polychaeta	75
<i>Palola</i> sp. as-2005	Genus	Marine Worm	Polychaeta	707
<i>Octopus cyanea</i>	Species	Octopus	Octopus	28
<i>Petrolisthes</i> sp. lp-2009	Genus	Porcelain Crab	Porcelain Crab	21
<i>Asparagopsis taxiformis</i>	Species	Red Algae	Red Algae	14
<i>Stylocheilus longicauda</i>	Species	Sea Hare	Sea Hare	425
<i>Metalpheus</i> sp. lp-2009	Genus	Shrimp	Snapping Shrimp	11
<i>Gnathophyllum americanum</i>	Species	Shrimp	Shrimp	91
<i>Periclimenes</i> sp. lp-2009	Genus	Shrimp	Shrimp	876
Hippolytidae sp. lp-2009	Family	Shrimp	Broken-Back Shrimp	4,222
<i>Alpheus bengalensis</i>	Species	Shrimp	Snapping Shrimp	7,322
<i>Cuapetes tenuipes</i>	Species	Shrimp	Shrimp	37,839
<i>Sarcophyton glaucum</i>	Species	Soft Coral	Rough Leather Coral	130
<i>Thymoites unimaculatus</i>	Species	Spider	Small Orange Spider	10
<i>Placospongia</i> sp. ucmpwc866	Genus	Sponge	Sponge	10
Tethyid sp. ucmpwc1062	Family	Sponge	Sponge	14
<i>Geodia californica</i>	Species	Sponge	Sponge	16
<i>Rhizaxinella</i> sp. g319653	Genus	Sponge	Sponge	17
<i>Geodia phlegraei</i>	Species	Sponge	Sponge	20
<i>Oceanapia</i> sp. ucmpwc1016	Genus	Sponge	Sponge	23
<i>Halichondria</i> sp. halsp-1	Genus	Sponge	Sponge	25
<i>Pione velans</i>	Species	Sponge	Sponge	25

<i>Hemiasterella</i> sp. ucmpwc1021	Genus	Sponge	Sponge	28
<i>Suberites</i> sp. ucmpwc859	Genus	Sponge	Sponge	32
<i>Timea</i> sp. g303973	Genus	Sponge	Sponge	59
<i>Iotrochota birotulata</i>	Species	Sponge	Sponge	93
<i>Halichondria</i> sp. halsp-5	Genus	Sponge	Sponge	373
<i>Halichondria okadai</i>	Species	Sponge	Sponge	443
<i>Tedania klausii</i>	Species	Sponge	Sponge	571
<i>Clathria prolifera</i>	Species	Sponge	Sponge	764
<i>Stellettinopsis megastylifera</i>	Species	Sponge	Sponge	1,395
<i>Hymeniacion flavia</i>	Species	Sponge	Sponge	1,564
<i>protosuberites'</i> sp. por14649	Genus	Sponge	Sponge	45,302
<i>Sadayoshia</i> sp. lp-2009	Genus	Squat Lobster	Squat Lobster	28
<i>Symplegma rubra</i>	Species	Tunicate	Tunicate	11
<i>Botryllus tyreus</i>	Species	Tunicate	Tunicate	261
<i>Mespilia globulus</i>	Species	Urchin	Blue Tuxedo Urchin	36