

Species list

| Phylum, Class, Order, Family | Species | Distribution | Page |
|---|---|---------------------------------|------|
| Granuloreticulosa, Foraminifera, Allogromida, Arboramininidae | <i>Luffamina atlantica</i> KAMENSKAYA, BAGIROV & SIMDIANOV, 2002 | MAR: RB | 32 |
| Granuloreticulosa, Foraminifera, Textulariida, Remaneicidae | <i>Abyssostherma pacifica</i> BRÖNNIMANN, VAN DOVER & WHITTAKER, 1989 | EPR: 21°N, 9°N | 33 |
| Porifera, Demospongiae, Poecilosclerida, Cladorhizidae | <i>Abyssocladia dominalba</i> VACELET, in press | NFiji: WL | 37 |
| Porifera, Demospongiae, Poecilosclerida, Cladorhizidae | <i>Abyssocladia naudur</i> VACELET, in press | EPR: 17°S | 38 |
| Porifera, Demospongiae, Poecilosclerida, Cladorhizidae | <i>Asbestopluma agglutinans</i> VACELET, in press | EPR: 14°S, 18°S | 39 |
| Porifera, Demospongiae, Poecilosclerida, Cladorhizidae | <i>Asbestopluma (Helophloeina) formosa</i> VACELET, in press | NFiji | 40 |
| Porifera, Demospongiae, Poecilosclerida, Cladorhizidae | <i>Asbestopluma pennatula</i> (SCHMIDT, 1875) | MAR: LS; non-vent locations | 41 |
| Porifera, Demospongiae, Poecilosclerida, Cladorhizidae | <i>Chondrocladia lampadiglobus</i> VACELET, in press | EPR: 17°S | 42 |
| Porifera, Demospongiae, Poecilosclerida, Cladorhizidae | <i>Cladorhiza abyssicola</i> G.O. SARS, 1872 | MAR: LO non-vent locations | 44 |
| Porifera, Demospongiae, Poecilosclerida, Cladorhizidae | <i>Cladorhiza segonzaci</i> VACELET, in press | EPR: 17°S | 45 |
| Porifera, Demospongiae, Poecilosclerida, Cladorhizidae | <i>Euchelipluma pristina</i> TOPSENT, 1909 | MAR: LS, RB | 46 |
| Porifera, Hexactinella, Lyssacinosida, Caulophacidae | <i>Caulophacus cyanae</i> BOURY-ESNAULT & DE Vos, 1988 | EPR: 13°N | 47 |
| Cnidaria, Hydrozoa, Anthoathecata, Candelabridae | <i>Candelabrum phrygium</i> FABRICIUS, 1780 | MAR: LS, RB; non-vent locations | 49 |
| Cnidaria, Hydrozoa, Anthoathecata, Candelabridae | <i>Candelabrum serpentarii</i> SEGONZAC & VERVOORT, 1995 | MAR: SP | 50 |
| Cnidaria, Hydrozoa, Anthoathecata, Eudendriidae | <i>Eudendrium planum</i> BONNEVIE, 1898 | MAR: LO, LS; non-vent locations | 51 |
| Cnidaria, Hydrozoa, Anthoathecata, Tubulariidae | <i>Ectopleura larynx</i> ELLIS & SOLANDER, 1786 | MAR: MG; non-vent locations | 52 |
| Cnidaria, Hydrozoa, Leptothecata, Halopterididae | <i>Polyplumaria flabellata</i> G.O. SARS, 1874 | MAR: MG; non-vent locations | 53 |
| Cnidaria, Hydrozoa, Leptothecata, Hebellidae | <i>Halisiphonia arctica</i> KRAMP, 1932 | MAR: LO | 54 |
| Cnidaria, Hydrozoa, Leptothecata, Lafoeidae | <i>Grammaria abietina</i> SARS M., 1850 | MAR: MG; non-vent locations | 55 |
| Cnidaria, Hydrozoa, Leptothecata, Lafoeidae | <i>Lafoea dumosa</i> FLEMING, 1820 | MAR: RB; non-vent locations | 56 |
| Cnidaria, Hydrozoa, Leptothecata, Lafoeidae | <i>Zygophylax echinata</i> CALDER & VERVOORT, 1998 | MAR: MG | 57 |
| Cnidaria, Hydrozoa, Leptothecata, Lafoeidae | <i>Zygophylax leloupi</i> RAMIL & VERVOORT, 1992 | MAR: RB; non-vent locations | 58 |
| Cnidaria, Hydrozoa, Leptothecata, Sertulariidae | <i>Hydrallmania falcata</i> LINNAEUS, 1758 | MAR: LS; non-vent locations | 59 |
| Cnidaria, Hydrozoa, Leptothecata, Sertulariidae | <i>Sertularella tenella</i> ALDER, 1856 | MAR: LS; non-vent locations | 60 |
| Cnidaria, Hydrozoa, Leptothecata, Sertulariidae | <i>Symplectoscyphus bathyalis</i> VERVOORT, 1972 | MAR: LS; non-vent locations | 61 |
| Cnidaria, Hydrozoa, Leptothecata, Tiarranidae | <i>Stegolaria geniculata</i> ALLMAN, 1888 | MAR: LS, RB; non-vent locations | 62 |
| Cnidaria, Hydrozoa, Siphonophora, Rhodaliidae | <i>Thermopalia taraxaca</i> PUGH, 1983 | EPR, Galapagos | 63 |
| Cnidaria, Anthozoa, Actinaria, Actinostolidae | <i>Lucernaria janetae</i> COLLINS & DALY, 2005 | EPR: 21°N-7°S | 64 |
| Cnidaria, Anthozoa, Actinaria, Actinostolidae | <i>Actinostola</i> VERRILL, 1883 | EPR: 13°N | 66 |
| Cnidaria, Anthozoa, Actinaria, Actinostolidae | <i>Cyananthea hydrothermala</i> DOUMENC & VAN PRAET, 1986 | EPR: 13°N | 67 |
| Cnidaria, Anthozoa, Actinaria, Actinostolidae | <i>Maractis rimirivora</i> FAUTIN & BARBER, 1999 | MAR: A1, SP, TAG | 68 |
| Cnidaria, Anthozoa, Actinaria, Actinostolidae | <i>Marianactis bythios</i> FAUTIN & HESSLER, 1989 | Mariana | 69 |
| Cnidaria, Anthozoa, Actinaria, Actinostolidae | <i>Pacmanactis hashimotoi</i> LÓPEZ-GONZÁLES, RODRIGUEZ & SEGONZAC, 2005 | Manus | 70 |
| Cnidaria, Anthozoa, Actinaria, Actinostolidae | <i>Paranthosactis denhartogi</i> LÓPEZ-GONZÁLES, RODRIGUEZ & SEGONZAC, 2003 | Guaymas | 71 |
| Cnidaria, Anthozoa, Actinaria, Boloceroididae | <i>Boloceroides daphneae</i> DALY, in press | EPR: 9°N-23°S; PAR: 32°S | 72 |
| Cnidaria, Anthozoa, Actinaria, Hormathiidae | <i>Chondrophellia</i> cf. <i>coronata</i> (VERRILL, 1883) | EPR: 13°N, 7°S-23°S; PAR: 32°S | 73 |

| Phylum, Class, Order, Family | Species | Distribution | Page |
|--|---|--|------|
| Mollusca, Solenogastres, Cavibelonia, Simrothiellidae | <i>Helicoradomenia acredema</i> SCHELTEMA, 2000 | EPR: 21°N; 17°S; Galapagos | 76 |
| Mollusca, Solenogastres, Cavibelonia, Simrothiellidae | <i>Helicoradomenia bisquama</i> SCHELTEMA, 2000 | EPR: 21°N | 77 |
| Mollusca, Solenogastres, Cavibelonia, Simrothiellidae | <i>Helicoradomenia juani</i> SCHELTEMA & KUZIRIAN, 1991 | Exporer, Gorda, JFR: ES | 78 |
| Mollusca, Polyplacophora, Neoloricata, Ischnochitonidae | <i>Thermochiton undocostatus</i> SAITO & OKUTANI, 1990 | Okinawa T: IR | 80 |
| Mollusca, Polyplacophora, Neoloricata, Leptochitonidae | <i>Leptochiton tenuidontus</i> SAITO & OKUTANI, 1990 | Okinawa T: IR | 81 |
| Mollusca, Gastropoda, Patellogastropoda, Neolepetopsidae | <i>Eulepedopsis vitrea</i> McLEAN, 1990 | EPR: 21°N-17°S; Galapagos | 83 |
| Mollusca, Gastropoda, Patellogastropoda, Neolepetopsidae | <i>Neolepetopsis densata</i> McLEAN, 1990 | EPR: 13°N; Galapagos | 84 |
| Mollusca, Gastropoda, Patellogastropoda, Neolepetopsidae | <i>Neolepetopsis gordensis</i> McLEAN, 1990 | EPR: 20°N, 5°S; Gorda, | 84 |
| Mollusca, Gastropoda, Patellogastropoda, Neolepetopsidae | <i>Neolepetopsis occulta</i> McLEAN, 1990 | EPR: 21°N | 84 |
| Mollusca, Gastropoda, Patellogastropoda, Neolepetopsidae | <i>Neolepetopsis verruca</i> McLEAN, 1990 | EPR: 21°N | 84 |
| Mollusca, Gastropoda, Patellogastropoda, Neolepetopsidae | <i>Paralepetopsis ferrugivora</i> WARÉN & BOUCHET, 2001 | MAR: LS | 85 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Clypeosectus curvus</i> McLEAN, 1989 | Explorer, JFR | 86 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Clypeosectus delectus</i> McLEAN, 1989 | EPR: 21°N, 13°N; Galapagos | 86 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Gorgoleptis emarginatus</i> McLEAN, 1988 | EPR: 21°N-9°N | 87 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Gorgoleptis patulus</i> McLEAN, 1988 | EPR: 13°N; Galapagos | 87 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Gorgoleptis spiralis</i> McLEAN, 1988 | EPR: 13°N | 87 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus atlanticus</i> WARÉN & BOUCHET, 2001 | MAR: 38°N-23°N | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus corrugatus</i> McLEAN, 1993 | JFR | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus cristatus</i> McLEAN, 1988 | EPR: 21°N, 13°N; Galapagos | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus elevatus</i> McLEAN, 1988 | EPR: 21°N-17°S; Galapagos; Lau; Mariana; NFiji | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus fucensis</i> McLEAN, 1988 | JFR | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus galriftensis</i> McLEAN, 1988 | EPR: 9°N; Galapagos | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus guaymasensis</i> McLEAN, 1988 | Guaymas | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus japonicus</i> OKUTANI FUJIKURA & SASAKI, 1993 | Okinawa T | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus nux</i> OKUTANI FUJIKURA & SASAKI, 1993 | Okinawa T | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus ovalis</i> McLEAN, 1988 | EPR: 21°N-17°S; Galapagos | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus pustulosus</i> McLEAN, 1988 | EPR: 21°N-17°S; Galapagos | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus schrolli</i> BECK, 1993 | Manus | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Lepetodrilus tevnianus</i> McLEAN, 1991 | EPR: 11°N | 88 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Pseudorimula marianae</i> McLEAN, 1989 | Mariana | 91 |
| Mollusca, Gastropoda, Vetigastropoda, Lepetodrilidae | <i>Pseudorimula midatlantica</i> McLEAN, 1992 | MAR: 37°N-14°N | 91 |
| Mollusca, Gastropoda, Vetigastropoda, Pyropeltidae | <i>Pyropelta corymba</i> McLEAN & HASZPRUNAR, 1987 | Guaymas | 93 |
| Mollusca, Gastropoda, Vetigastropoda, Pyropeltidae | <i>Pyropelta musaica</i> McLEAN & HASZPRUNAR, 1987 | JFR | 93 |
| Mollusca, Gastropoda, Vetigastropoda, Pyropeltidae | <i>Pyropelta yamato</i> SASAKI OKUTANI & FUJIKURA, 2003 | Izu | 93 |
| Mollusca, Gastropoda, Vetigastropoda, Pyropeltidae | <i>Pyropelta bohlei</i> BECK, 1996 | Tabar-Feni: ES | 93 |
| Mollusca, Gastropoda, Vetigastropoda, Skeneidae | <i>Bruceiella globulus</i> WARÉN & BOUCHET, 1993 | Lau, NFiji | 94 |
| Mollusca, Gastropoda, Vetigastropoda, Skeneidae | <i>Fucaria mystax</i> WARÉN & BOUCHET, 2001 | Tabar-Feni: ES | 95 |
| Mollusca, Gastropoda, Vetigastropoda, Skeneidae | <i>Fucaria striata</i> WARÉN & BOUCHET, 1993 | JFR | 95 |
| Mollusca, Gastropoda, Vetigastropoda, Skeneidae | <i>Leptogyra inflata</i> WARÉN & BOUCHET, 1993 | Lau | 96 |

| | | | |
|---|---|--------------------------------|-----|
| Mollusca, Gastropoda, Vetigastropoda, Skeneidae | <i>Protolira thorvaldssoni</i> WARÉN, 1996 | MAR: SP; non-vent locations | 97 |
| Mollusca, Gastropoda, Vetigastropoda, Skeneidae | <i>Protolira valvatoidea</i> WARÉN & BOUCHET, 1993 | MAR: LS, MG | 97 |
| Mollusca, Gastropoda, Vetigastropoda, Sutilizonidae | <i>Sutilizona pterodon</i> WARÉN & BOUCHET, 2001 | MAR: SP | 98 |
| Mollusca, Gastropoda, Vetigastropoda, Sutilizonidae | <i>Sutilizona theca</i> McLEAN, 1989 | EPR: 13°N | 98 |
| Mollusca, Gastropoda, Vetigastropoda, Sutilizonidae | <i>Sutilizona tunnicliffae</i> WARÉN & BOUCHET, 2001 | JFR: ES | 98 |
| Mollusca, Gastropoda, Vetigastropoda, Sutilizonidae | <i>Temnoclinis euripes</i> McLEAN, 1989 | JFR | 99 |
| Mollusca, Gastropoda, Vetigastropoda, Sutilizonidae | <i>Temnozaga parilis</i> McLEAN, 1989 | EPR: 21°N | 100 |
| Mollusca, Gastropoda, Vetigastropoda, Trochidae | <i>Bathymargarites symplector</i> WARÉN & BOUCHET, 1989 | EPR: 13°N, 21°S | 101 |
| Mollusca, Gastropoda, Vetigastropoda, Trochidae | <i>Helicrenion reticulatum</i> WARÉN & BOUCHET, 1993 | Lau: HH | 102 |
| Mollusca, Gastropoda, Vetigastropoda, Trochidae | <i>Vetulonia phalcata</i> WARÉN & BOUCHET, 1993 | NFiji | 103 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Cythermia naticoides</i> WARÉN & BOUCHET, 1989 | EPR: 21°N-9°N | 104 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Lacunoides exquisitus</i> WARÉN & BOUCHET, 1989 | Galapagos | 105 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Lacunoides vitreus</i> WARÉN & BOUCHET, 2001 | JFR: AV-AVF | 105 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Melanodrymia aurantiaca</i> HICKMAN, 1984 | EPR: 13°N, 7°S-23°S; PAR: 32°S | 106 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Melanodrymia brightae</i> WARÉN & BOUCHET, 1993 | JFR: ES | 106 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Melanodrymia galeronae</i> WARÉN & BOUCHET, 1993 | EPR: 13°N | 106 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Neomphalus fretterae</i> McLEAN, 1981 | EPR: 21°N-9°N; Galapagos | 107 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Pachydermia laevis</i> WARÉN & BOUCHET, 1989 | EPR: 21°N-17°S | 108 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Pachydermia sculpta</i> WARÉN & BOUCHET, 1993 | Lau, NFiji | 108 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Planorbidella depressa</i> WARÉN & BOUCHET, 1993 | Lau: HH | 109 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Planorbidella planispira</i> WARÉN & BOUCHET, 1989 | EPR: 21°N-17°S | 109 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Symmetromphalus hageni</i> BECK, 1992 | Manus | 110 |
| Mollusca, Gastropoda, Neomphalina, Neomphalidae | <i>Symmetromphalus regularis</i> McLEAN, 1990 | Mariana | 110 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Ctenopelta proifera</i> WARÉN & BOUCHET, 1993 | EPR: 13°N | 111 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Depressigyra globulus</i> WARÉN & BOUCHET, 1989 | JFR | 112 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Echinopelta fistulosa</i> McLEAN, 1989 | EPR: 13°N, 21°S | 113 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Hirtopelta hirta</i> McLEAN, 1989 | EPR: 13°N-21°S | 114 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Hirtopelta turfari</i> BECK, 2002 | EPR: 21°S | 114 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Lirapex costellata</i> WARÉN & BOUCHET, 2001 | MAR: LS | 115 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Lirapex granularis</i> WARÉN & BOUCHET, 1989 | EPR: 21°N-9°N | 115 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Lirapex humata</i> WARÉN & BOUCHET, 2001 | EPR: 21°N | 115 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Nodopelta heminoda</i> McLEAN, 1989 | EPR: 21°N, 13°N | 116 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Nodopelta rigneeae</i> WARÉN & BOUCHET, 2001 | EPR: 13°N | 116 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Nodopelta subnoda</i> McLEAN, 1989 | EPR: 13°N | 116 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Peltospira delicata</i> McLEAN, 1989 | EPR: 13°N-9°N | 118 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Peltospira lamellifera</i> WARÉN & BOUCHET, 1989 | EPR: 13°N | 118 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Peltospira operculata</i> McLEAN, 1989 | EPR: 21°N-9°N, 17°S | 118 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Peltospira smaragdina</i> WARÉN & BOUCHET, 2001 | MAR: 38°N-15°N | 118 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | <i>Rhynchopelta concentrica</i> McLEAN, 1989 | EPR: 21°N-17°S | 119 |
| Mollusca, Gastropoda, Neomphalina, Peltospiridae | „scaly foot gastropod“ | CIR | 120 |

| Phylum, Class, Order, Family | Species | Distribution | Page |
|---|---|----------------------------------|------|
| Mollusca, Gastropoda, Neritimorpha, Phenacolepadidae | <i>Oligosolaris tollmanni</i> BECK, 1992 | Manus | 121 |
| Mollusca, Gastropoda, Neritimorpha, Phenacolepadidae | <i>Shinkailepas briandi</i> WARÉN & BOUCHET, 2001 | MAR: LO, LS, MG | 122 |
| Mollusca, Gastropoda, Neritimorpha, Phenacolepadidae | <i>Shinkailepas kaikatensis</i> OKUTANI SAITO & HASHIMOTO, 1989 | Izu: KS | 122 |
| Mollusca, Gastropoda, Neritimorpha, Phenacolepadidae | <i>Shinkailepas mojimensis</i> SASAKI OKUTANI & FUJIKURA, 2003 | Izu | 122 |
| Mollusca, Gastropoda, Neritimorpha, Phenacolepadidae | <i>Shinkailepas tufari</i> BECK, 1992 | NFiji | 122 |
| Mollusca, Gastropoda, Caenogastropoda, Buccinidae | <i>Eosipho auzendei</i> WARÉN & BOUCHET, 2001 | EPR: 17°S | 124 |
| Mollusca, Gastropoda, Caenogastropoda, Buccinidae | <i>Eosipho desbruyeresi nipponensis</i> OKUTANI & OHTA, 1993 | Okinawa T | 124 |
| Mollusca, Gastropoda, Caenogastropoda, Buccinidae | <i>Eosipho desbruyeresi</i> NIPPONENSIS OKUTANI & FUJIWARA, 2000 | Lau, Mariana, NFiji | 124 |
| Mollusca, Gastropoda, Caenogastropoda, Cerithiopsidae | <i>Speculator cariosus</i> WARÉN & BOUCHET, 2001 | Exporer: MM | 126 |
| Mollusca, Gastropoda, Caenogastropoda, Elachisnidae | <i>Laeviphitus desbruyeresi</i> WARÉN & BOUCHET, 2001 | MAR: MG-RB | 127 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Alvinoconcha hessleri</i> OKUTANI & OHTA, 1988 | CIR: KVF; Lau; Mariana; NFiji | 128 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Desbruyeresia cancellata</i> WARÉN & BOUCHET, 1993 | Lau, NFiji | 129 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Desbruyeresia marianaensis</i> OKUTANI, 1990 | Manus | 129 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Desbruyeresia marisindica</i> OKUTANI HASHIMOTO & SASAKI, 2004 | CIR | 129 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Desbruyeresia melanooides</i> WARÉN & BOUCHET, 1993 | NFiji | 129 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Desbruyeresia spinosa</i> WARÉN & BOUCHET, 1993 | Lau, Manus | 129 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Ifremeria nautilei</i> BOUCHET & WARÉN, 1991 | Lau, Manus, NFiji | 130 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Provanna buccinooides</i> WARÉN & BOUCHET, 1993 | Lau, NFiji | 132 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Provanna glabra</i> OKUTANI TSUCHIDA & FUJIKURA, 1992 | Okinawa T; non-vent locations | 132 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Provanna ios</i> WARÉN & BOUCHET, 1986 | EPR: 21°N-17°N, 13°N; Galapagos | 132 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Provanna laevis</i> WARÉN & PONDE, 1991 | Guaymas; JFR; non-vent locations | 132 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Provanna muricata</i> WARÉN & BOUCHET, 1986 | EPR: 21°N; Galapagos; Lau; NFiji | 132 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Provanna nassariaeformis</i> OKUTANI, 1990 | Mariana, Manus | 132 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Provanna segonzaci</i> WARÉN & PONDER, 1991 | CIR | 132 |
| Mollusca, Gastropoda, Caenogastropoda, Provannidae | <i>Provanna variabilis</i> WARÉN & BOUCHET, 1986 | JFR; non-vent locations | 132 |
| Mollusca, Gastropoda, Caenogastropoda, Rissoidae | <i>Alvania stenolopha</i> BOUCHET & WARN, 1993 | MAR: LS, MG | 133 |
| Mollusca, Gastropoda, Caenogastropoda, Vitrinellidae | <i>Neusas marshalli</i> SYKES, 1925 | MAR: MG | 134 |
| Mollusca, Gastropoda, Heterobranchia, Hyalogyrinidae | <i>Hyalogyrina globularis</i> WARÉN & BOUCHET, 2001 | JFR: ES | 135 |
| Mollusca, Gastropoda, Heterobranchia, Hyalogyrinidae | <i>Hyalogyrina grasslei</i> WARÉN & BOUCHET, 1993 | Guaymas | 135 |
| Mollusca, Gastropoda, Heterobranchia, Orbitellidae | <i>Lurifax vitreus</i> WARÉN & BOUCHET, 2001 | MAR: MG, LS | 136 |
| Mollusca, Gastropoda, Heterobranchia, Xylodisculidae | <i>Xylodiscula analoga</i> WARÉN & BOUCHET, 2001 | MAR: LS, MG | 137 |
| Mollusca, Gastropoda, Heterobranchia, Xylodisculidae | <i>Xylodiscula major</i> WARÉN & BOUCHET, 2001 | NFiji | 137 |
| Mollusca, Gastropoda, Prosobranchia, Turridae | <i>Phymorhynchus carinatus</i> WARÉN & BOUCHET, 2001 | MAR: 23°N-15°N | 138 |
| Mollusca, Gastropoda, Prosobranchia, Turridae | <i>Phymorhynchus hyffluxi</i> BECK, 1996 | NFiji, non-vent locations | 138 |
| Mollusca, Gastropoda, Prosobranchia, Turridae | <i>Phymorhynchus major</i> WARÉN & BOUCHET, 2001 | EPR: 13°N-9°N | 138 |
| Mollusca, Gastropoda, Prosobranchia, Turridae | <i>Phymorhynchus moskalevi</i> SYSOEV & KANTOR, 1995 | MAR: 26°N-23°N | 138 |
| Mollusca, Gastropoda, Prosobranchia, Turridae | <i>Phymorhynchus ovatus</i> WARÉN & BOUCHET, 2001 | MAR: 37°N-15°N | 138 |
| Mollusca, Gastropoda, Prosobranchia, Turridae | <i>Phymorhynchus starmeri</i> OKUTANI & OHTA, 1993 | Manus, NFiji | 138 |
| Mollusca, Gastropoda, Prosobranchia, Turridae | <i>Phymorhynchus wareni</i> SYSOEV & KANTOR, 1995 | Tabar-Feni: ES | 138 |

| | | | |
|---|--|---|-----|
| Mollusca, Gastropoda, Nudibranchia, Dendronotidae | <i>Dendronotus comteti</i> VALDES & BOUCHET, 1998 | MAR: LS | 140 |
| Mollusca, Bivalvia, Heterodonta, Vesicomidae | <i>Calyptogena edisonensis</i> OKUTANI, KOJIMA & KIM, 2003 | Tabar-Feni: ES | 142 |
| Mollusca, Bivalvia, Heterodonta, Vesicomidae | <i>Calyptogena extenta</i> KRYLOVA & MOSKALEV, 1996 | Gorda; non-vent locations | 143 |
| Mollusca, Bivalvia, Heterodonta, Vesicomidae | <i>Calyptogena gigas</i> DALL, 1896 | Guaymas, JFR; non-vent locations | 144 |
| Mollusca, Bivalvia, Heterodonta, Vesicomidae | <i>Calyptogena magnifica</i> BOSS & TURNER, 1980 | EPR: 21°N-23°S; Galapagos | 145 |
| Mollusca, Bivalvia, Heterodonta, Vesicomidae | <i>Calyptogena nankaiensis</i> OKUTANI, KOJIMA & ASHI, 1996 | Okinawa T: IR; non-vent locations | 146 |
| Mollusca, Bivalvia, Heterodonta, Vesicomidae | <i>Calyptogena okutanii</i> KOJIMA & OHTA, 1997 | Okinawa T: IR; non-vent locations | 147 |
| Mollusca, Bivalvia, Heterodonta, Vesicomidae | <i>Calyptogena solidissima</i> OKUTANI, HASHIMOTO & FUJIKURA, 1992 | Okinawa T: MEK | 148 |
| Mollusca, Bivalvia, Protobranchia, Solemyidae | <i>Acharx alinae</i> MÉTIVIER & COSEL, 1993 | Lau: HH | 149 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Bathymodiolus adulooides</i> HASHIMOTO & OKTUANI, 1994 | Okinawa T: MEK, IR; non-vent locations | 150 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Bathymodiolus azoricus</i> COSEL & COMTET, 1998 | MAR: LS, MG, RB | 151 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Bathymodiolus breviar</i> COSEL, MÉTIVIER & HASHIMOTO, 1994 | Lau, NFiji | 153 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Bathymodiolus elongatus</i> COSEL, MÉTIVIER & HASHIMOTO, 1994 | NFiji | 154 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Bathymodiolus japonicus</i> HASHIMOTO & OKTUANI, 1994 | Okinawa T: MEK, IR; non-vent locations | 155 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Bathymodiolus marisindicus</i> HASHIMOTO, 2001 | CIR: KVF | 156 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Bathymodiolus platifrons</i> HASHIMOTO & OKTUANI, 1994 | Okinawa T: IR, Izena Calderon; non-vent locations | 157 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Bathymodiolus puteoserpentis</i> COSEL, MÉTIVIER & HASHIMOTO, 1994 | MAR: LO, SP | 158 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Bathymodiolus septemdiarium</i> HASHIMOTO & OKTUANI, 1994 | Izu: MK, SS | 159 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Bathymodiolus thermophilus</i> KENK & WILSON, 1985 | EPR: 13°N-21°S | 160 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Gigantidas gladius</i> COSEL & MARSHALL, 2003 | Kermadec: RIIS, RVS | 162 |
| Mollusca, Bivalvia, Pteriomorpha, Mytilidae | <i>Gigantidas horikoshii</i> HASHIMOTO & YAMANE, 2005 | Izu: KS | 163 |
| Mollusca, Bivalvia, Pteriomorpha, Pectinidae | <i>Bathypecten vulcani</i> SCHEIN-FATTON, 1985 | EPR: 13°N-9°N; PAR: 32°S, 38°S; Galapagos | 164 |
| Mollusca, Bivalvia, Pteriomorpha, Pectinidae | <i>Sinepecten segonzaci</i> SCHEIN, in press | Manus | 165 |
| Mollusca, Cephalopoda, Octopoda, Cirroteuthidae | <i>Cirrothauma murrayi</i> CHUN, 1911 | EPR, non-vent locations | 167 |
| Mollusca, Cephalopoda, Octopoda, Cirroteuthidae | <i>Cirrotheuthis magna</i> HOYLE, 1885 | MAR: LO; EPR: 17°S; non-vent locations | 168 |
| Mollusca, Cephalopoda, Octopoda, Grimptoteuthidae | <i>Grimptoteuthis</i> ROBSON, 1932 | EPR, MAR, non-vent locations | 169 |
| Mollusca, Cephalopoda, Octopoda, Octopodidae | <i>Vulcanoctopus hydrothermalis</i> GONZALES, GUERRA, ROCHA & BRIAND, 2002 | EPR: 13°N, 23°S | 170 |
| Mollusca, Cephalopoda, Octopoda, Octopodidae | <i>Benthooctopus</i> GRIMPE, 1921 | Gorda, JFR, non-vent locations | 171 |
| Mollusca, Cephalopoda, Octopoda, Octopodidae | <i>Graneledone</i> JOUBIN, 1918 | Explorer, Galapagos, JFR, Kermadec, MAR | 172 |
| Nematoda, Adenophorea, Desmodorida, Desmodoridae | <i>Desmodora alberti</i> VERSCHELDE, GOURBAULT & VINCX, 1998 | Guaymas | 174 |
| Nematoda, Adenophorea, Desmodorida, Desmodoridae | <i>Desmodora marci</i> VERSCHELDE, GOURBAULT & VINCX, 1998 | Lau: HH | 175 |
| Nematoda, Adenophorea, Desmodorida, Desmodoridae | <i>Desmodorella balteata</i> DEGRAEMER & GOURBAULT, 1998 | Guaymas | 176 |
| Nematoda, Adenophorea, Desmodorida, Desmodoridae | <i>Desmodorella spinecaudata</i> DEGRAEMER & GOURBAULT, 1998 | Guaymas | 177 |
| Nematoda, Adenophorea, Chromadorida, Draconematidae | <i>Cephalochaetosoma pacificum</i> notium DEGRAEMER & GOURBAULT, 1997 | Lau | 178 |
| Nematoda, Adenophorea, Chromadorida, Draconematidae | <i>Dinetia nycterobia</i> DEGRAEMER & GOURBAULT, 1997 | EPR: 21°N | 179 |
| Nematoda, Secernentea, Spirurida, Cystidicolidae | <i>Moravecma segonzaci</i> JUSTINE, CASSONE & PETTER, 2002 | MAR: LO, SP | 180 |
| Acanthocephala, Palaeacanthocephala, Echinorhynchida, Hypoechinorhynchida | <i>Hypoechinorhynchus thermaceri</i> BURON, 1988 | EPR: 13°N | 181 |
| Nemertini, Hoplomertini, Monostilifera, family unknown | <i>Thermonemertes valens</i> ROGERS, GIBSON & TUNNICLIFFE, 1996 | JFR | 183 |

| Phylum, Class, Order, Family | Species | Distribution | Page |
|---|---|------------------------------------|------|
| Annelida, Polychaeta, Eunicida, Amphinomididae | <i>Archinome rosacea</i> BLAKE, 1985 | Galapagos | 186 |
| Annelida, Polychaeta, Eunicida, Dorvilleidae | <i>Exallopus jumarsi</i> BLAKE, 1985 | Guaymas | 187 |
| Annelida, Polychaeta, Eunicida, Dorvilleidae | <i>Ophnotrocha akessoni</i> BLAKE, 1985 | EPR, Galapagos, Guaymas | 188 |
| Annelida, Polychaeta, Eunicida, Dorvilleidae | <i>Ophnotrocha globopalpata</i> BLAKE & HILBIG, 1990 | JFR | 189 |
| Annelida, Polychaeta, Eunicida, Dorvilleidae | <i>Ophnotrocha platykephale</i> BLAKE, 1985 | Guaymas | 190 |
| Annelida, Polychaeta, Eunicida, Dorvilleidae | <i>Parougia wolffi</i> BLAKE & HILBIG, 1990 | JFR | 192 |
| Annelida, Polychaeta, Eunicida, Eunicidae | <i>Eunice pulvinopalpata</i> FAUCHALD, 1982 | EPR: 21°N, 13°N | 193 |
| Annelida, Polychaeta, Phyllodocida, Crysopeatalidae | <i>Thraumastos dieteri</i> WATSON, 2001 | Lau, NFiji; non-vent locations | 194 |
| Annelida, Polychaeta, Phyllodocida, Glyceridae | <i>Glycera branchiopoda</i> MOORE, 1911 | Guaymas; non-vent locations | 195 |
| Annelida, Polychaeta, Phyllodocida, Glyceridae | <i>Glycera tessellata</i> GRUBE, 1863 | MAR: LS; non-vent locations | 196 |
| Annelida, Polychaeta, Phyllodocida, Hesionidae | <i>Amphiduroopsis axialensis</i> (BLAKE & HILBIG, 1990) | EPR: 9°N; JFR: AV-AVF, MV | 198 |
| Annelida, Polychaeta, Phyllodocida, Hesionidae | <i>Hesiodieria glabra</i> BLAKE & HILBIG, 1990 | JFR: AV-AVF, AV-CASM | 199 |
| Annelida, Polychaeta, Phyllodocida, Hesionidae | <i>Hesiolira bergi</i> BLAKE, 1985 | EPR: 21°N, 9°N | 200 |
| Annelida, Polychaeta, Phyllodocida, Hesionidae | <i>Hesiospina vestimentifera</i> BLAKE, 1985 | EPR; Explorer; JFR; Galapagos | 202 |
| Annelida, Polychaeta, Phyllodocida, Hesionidae | <i>Nereimyra alivinae</i> BLAKE, 1985 | Galapagos; Guaymas | 204 |
| Annelida, Polychaeta, Phyllodocida, Hesionidae | <i>Sirsoe grasslei</i> (BLAKE, 1985) | Guaymas | 205 |
| Annelida, Polychaeta, Phyllodocida, Nautiliellidae | <i>Iheyomytilidicola tridentatus</i> MIURA & HASHIMOTO, 1996 | Okinawa T | 206 |
| Annelida, Polychaeta, Phyllodocida, Nautiliellidae | <i>Mytilidiphila enseiense</i> MIURA & HASHIMOTO, 1993 | Okinawa T | 207 |
| Annelida, Polychaeta, Phyllodocida, Nautiliellidae | <i>Mytilidiphila okinawaensis</i> MIURA & HASHIMOTO, 1993 | Okinawa T | 208 |
| Annelida, Polychaeta, Phyllodocida, Nautiliellidae | <i>Shinkai longipedata</i> MIURA & OHTA, 1991 | Okinawa T | 209 |
| Annelida, Polychaeta, Phyllodocida, Nautiliellidae | <i>Shinkai semilonga</i> MIURA & HASHIMOTO, 1996 | Okinawa T; MEK | 210 |
| Annelida, Polychaeta, Phyllodocida, Nereidae | <i>Nereis piscesae</i> BLAKE & HILBIG, 1990 | JFR | 212 |
| Annelida, Polychaeta, Phyllodocida, Nereidae | <i>Nereis sandersi</i> BLAKE, 1985 | EPR; Galapagos; Guaymas | 214 |
| Annelida, Polychaeta, Phyllodocida, Phyllodocidae | <i>Eulalia papillosa</i> (BLAKE, 1985) | EPR: 21°N | 215 |
| Annelida, Polychaeta, Phyllodocida, Phyllodocidae | <i>Galapagomystides aristata</i> BLAKE, 1985 | EPR: 13°N, 9°N; Galapagos | 216 |
| Annelida, Polychaeta, Phyllodocida, Phyllodocidae | <i>Protomystides verenae</i> BLAKE & HILBIG, 1990 | Explorer, JFR | 217 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Bathylkurila guaymasensis</i> PETTIBONE, 1988 | Guaymas | 218 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Branchinotogluma hessleri</i> PETTIBONE, 1985 | EPR: 9°N; Galapagos; Guaymas | 219 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Branchinotogluma marianus</i> (PETTIBONE, 1989) | Manus | 221 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Branchinotogluma sandersi</i> PETTIBONE, 1985 | EPR: 21°N-17°S; Galapagos; Guaymas | 223 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Branchinotogluma segonzaci</i> (MIURA & DESBRUYÈRES, 1995) | Lau, Manus, NFiji | 225 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Branchinotogluma trifurcus</i> (MIURA & DESBRUYÈRES, 1995) | Lau, NFiji | 227 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Branchinotogluma tunnicliffae</i> PETTIBONE, 1988 | Explorer, JFR: AV, ES, S-JFR | 228 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Branchiplicatus cupreus</i> PETTIBONE, 1985 | EPR: 21°N-9°N; Guaymas | 230 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Branchipolynoe pettibonae</i> MIURA & HASHIMOTO, 1991 | Izu, Okinawa T; NFiji, Lau | 231 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Branchipolynoe seepensis</i> PETTIBONE, 1986 | MAR: LS; non-vent locations | 232 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Branchipolynoe symmytilida</i> PETTIBONE, 1984 | EPR; Galapagos | 234 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Iphonella risensis</i> PETTIBONE, 1986 | EPR: 21°N, 9°N | 235 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Lepidonotopodium atalantae</i> DESBRUYÈRES & HOURDEZ, 2000 | EPR: 13°N-17°S | 236 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Lepidonotopodium fimbriatum</i> PETTIBONE, 1983 | EPR: 21°N-9°N | 237 |

| | | | |
|---|---|--|-----|
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Lepidonotopodium jouninae</i> DESBRUYÈRES & HOURDEZ, 2000 | MAR: LS, MG | 238 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Lepidonotopodium piscosae</i> PETTIBONE, 1986 | Explorer, Gorda, JFR: AV, ES, S-JFR | 239 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Lepidonotopodium riftense</i> PETTIBONE, 1984 | EPR: 21°N-9°N; Galapagos | 241 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Lepidonotopodium williamsae</i> PETTIBONE, 1984 | EPR: 21°N-9°N; Galapagos | 242 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Levensteiniella iris</i> HOURDEZ & DESBRUYÈRES, 2003 | MAR: LS, RB | 243 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Levensteiniella plicata</i> HOURDEZ & DESBRUYÈRES, 2000 | EPR: 9°N | 244 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Thermiphione fijjensis</i> MIURA, 1994 | Lau, NFiji | 246 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Thermiphione tufari</i> HARTMANN-SCHRÖDER, 1992 | EPR: 7°S-21°S | 247 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Thermopolynoe branchiata</i> MIURA, 1994 | Lau, Manus, NFiji | 249 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Vampiropolynoe embleyi</i> MARCUS & HOURDEZ, 2002 | JFR: AV | 251 |
| Annelida, Polychaeta, Phyllodocida, Polynoidea | <i>Sphaerosyllis ridgiensis</i> BLAKE & HILBIG, 1990 | Explorer, JFR | 252 |
| Annelida, Polychaeta, Phyllodocida, Syllidae | <i>Laminatubus alvini</i> TEN HOVE & ZIBROWIUS, 1986 | EPR: 21°N-23°S; Galapagos | 253 |
| Annelida, Polychaeta, Sabeliida, Serpulidae | <i>Protis hydrothermica</i> TEN HOVE & ZIBROWIUS, 1986 | EPR: 21°N, 13°N, 17°S; Galapago: PAR: 38°S | 254 |
| Annelida, Polychaeta, Sabeliida, Serpulidae | <i>Alaysia spiralis</i> SOUTHWARD, 1991 | Lau: VF | 255 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Arcovestia ivanovi</i> SOUTHWARD & GALGIN, 1997 | Lau, Manus | 256 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Lamellibrachia barhami</i> WEBB, 1969 | JFR: MV; non-vent locations | 257 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Lamellibrachia columna</i> SOUTHWARD, 1991 | Lau: VF | 258 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Lamellibrachia satsuma</i> MIURA, TSUKAHARA & HASHIMOTO, 1997 | Japan: Kagoshima; Nankai Trough | 259 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Oasisia alvinae</i> JONES, 1985 | EPR: 21°N-9°N | 260 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Ridgia piscosae</i> JONES, 1985 | Explorer, JFR; Guaymas | 261 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Riftia pachyptila</i> JONES, 1981 | EPR, Galapagos, Guaymas | 262 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Siphonobranchia lauensis</i> SOUTHWARD, 1991 | Lau: VF | 264 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Tevnia jerichonana</i> JONES, 1985 | EPR: 13°N-21°S | 265 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Nicomache arwidssoni</i> BLAKE, 1985 | EPR: 21°N, 13°N; Galapagos; Mariana? | 266 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Nicomache venticola</i> BLAKE & HILBIG, 1990 | Guaymas; Explorer, JFR: AV-AVF, S-JFR | 267 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Leitoscoloplos pachybranchiatus</i> BLAKE & HILBIG, 1990 | JFR | 268 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Orbinella aciculata</i> BLAKE, 1985 | Galapagos | 269 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Orbinella hobsonae</i> BLAKE & HILBIG, 1990 | MAR: RB, TAG | 270 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Scoloplos ehlersi</i> BLAKE, 1985 | Galapagos | 271 |
| Annelida, Polychaeta, Sabeliida, Siboglinidae | <i>Spiochaetopterus</i> SARS, 1853 | MAR: RB, TAG | 272 |
| Annelida, Polychaeta, Spionida, Chaetopteridae | <i>Laonice athecata</i> SIGVALDADOTTIR & DESBRUYÈRES, 2003 | MAR: LS, LO | 273 |
| Annelida, Polychaeta, Spionida, Spionidae | <i>Laubierellus grasslei</i> MACOLEK, 1981 | Galapagos | 274 |
| Annelida, Polychaeta, Spionida, Spionidae | <i>Lindaspio dibranchiata</i> BLAKE & MACOLEK, 1992 | Guaymas | 275 |
| Annelida, Polychaeta, Spionida, Spionidae | <i>Lindaspio southwardorum</i> BLAKE & MACOLEK, 1992 | JFR: MV | 276 |
| Annelida, Polychaeta, Spionida, Spionidae | <i>Prionospio sandersi</i> MACOLEK, 1981 | Galapagos | 278 |
| Annelida, Polychaeta, Spionida, Spionidae | <i>Prionospio unilamellata</i> SIGVALDADOTTIR & DESBRUYÈRES, 2003 | MAR: LS, RB, SP | 280 |
| Annelida, Polychaeta, Spionida, Spionidae | <i>Xandaros acanthodes</i> MACOLEK, 1981 | Galapagos | 281 |
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Alvinella cauda</i> DESBRUYÈRES & LAUBIER, 1986 | EPR: 21°N-17°S | 282 |
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Alvinella pompejana</i> DESBRUYÈRES & LAUBIER, 1980 | EPR: 21°N-23°S | 283 |
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Paralvinella (Miralvinella) bacteriocola</i> DESBRUYÈRES & LAUBIER, 1991 | Guaymas | 285 |
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Paralvinella (Miralvinella) dela</i> DETINOVA, 1988 | JFR: AV, ES | 286 |

| Phylum, Class, Order, Family | Species | Distribution | Page |
|---|---|----------------------------------|------|
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Paralvinella (Miralvinella) hessleri</i> DESBRUYÈRES & LAUBIER, 1989 | Mariana, Manus | 287 |
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Paralvinella (Nautalvinella) pandorae</i> DESBRUYÈRES & LAUBIER, 1986 | JFR | 288 |
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Paralvinella (Nautalvinella) unidentata</i> DESBRUYÈRES & LAUBIER, 1993 | Lau, NFiji | 289 |
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Paralvinella (Paralvinella) fijjensis</i> DESBRUYÈRES & LAUBIER, 1993 | Lau, NFiji | 291 |
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Paralvinella (Paralvinella) grasslei</i> DESBRUYÈRES & LAUBIER, 1982 | EPR; Galapagos; Guaymas | 292 |
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Paralvinella (Paralvinella) palmiformis</i> DESBRUYÈRES & LAUBIER, 1986 | Expoter, Gorda, JFR | 293 |
| Annelida, Polychaeta, Terebellida, Alvinellidae | <i>Paralvinella (Paralvinella) sulfincola</i> DESBRUYÈRES & LAUBIER, 1993 | Explorer, JFR; Guaymas | 294 |
| Annelida, Polychaeta, Terebellida, Ampharetidae | <i>Amathys lutzi</i> DESBRUYÈRES & LAUBIER, 1996 | MAR: BS, LS, SP | 295 |
| Annelida, Polychaeta, Terebellida, Ampharetidae | <i>Amphisamytha galapagensis</i> ZOTTOLI, 1983 | Manus, Mariana, NFiji, Okinawa T | 296 |
| Annelida, Polychaeta, Hirudinea, Piscicolidae | <i>Bathydella sawyeri</i> BURRESON, 1981 | EPR: 14°S, 17°S; Galapagos | 297 |
| Arthropoda, Arachnida, Acariformes, Halacaridae | <i>Copidognathus papillatus</i> KRANTZ, 1982 | Lau, NFiji | 299 |
| Arthropoda, Arachnida, Acariformes, Halacaridae | <i>Halacarellus auzendei</i> (BARTSCH, 1990) | MAR: BS, LS | 300 |
| Arthropoda, Pycnogonida, Ammotheidae | <i>Ammothea verreauxi</i> CHILD, 1987 | Explorer, JFR: AV, ES | 301 |
| Arthropoda, Pycnogonida, Ammotheidae | <i>Sericosura cochleifovea</i> CHILD, 1989 | Mariana | 302 |
| Arthropoda, Pycnogonida, Ammotheidae | <i>Sericosura cyrtoma</i> CHILD & SEGONZAC, 1996 | EPR: 13°N | 303 |
| Arthropoda, Pycnogonida, Ammotheidae | <i>Sericosura heteroscela</i> CHILD & SEGONZAC, 1996 | MAR: LS, LO; MG, RB, SP | 304 |
| Arthropoda, Pycnogonida, Ammotheidae | <i>Sericosura mitrata</i> GORDON, 1944 | MAR: SP; non-vent locations | 305 |
| Arthropoda, Pycnogonida, Ammotheidae | <i>Sericosura venticola</i> CHILD, 1987 | JFR: ES | 306 |
| Arthropoda, Crustacea, Ostracoda, Halocypridae | <i>Archiconchoecia (Archiconchoecia) chavturi</i> KORNICKER & HARRISON-NELSON, 2005 | EPR: 9°N | 307 |
| Arthropoda, Crustacea, Ostracoda, Halocypridae | <i>Bathyonchoecia deeveyae</i> KORNICKER, 1969 | Guaymas, non-vent locations | 308 |
| Arthropoda, Crustacea, Ostracoda, Halocypridae | <i>Bathyonchoecia paulula</i> DEEVEY, 1968 | Guaymas, non-vent locations | 309 |
| Arthropoda, Crustacea, Ostracoda, Philomedidae | <i>Euphilomedes climax</i> KORNICKER, 1991 | Explorer, JFR | 310 |
| Arthropoda, Crustacea, Ostracoda, Polycopidae | <i>Polyopetta pax</i> KORNICKER & HARRISON-NELSON, 2005 | EPR: 9°N | 311 |
| Arthropoda, Crustacea, Ostracoda, Cylindroleberidae | <i>Prionotoleberis styx</i> KORNICKER, 1991 | EPR: 21°N | 312 |
| Arthropoda, Crustacea, Ostracoda, Pontocypridae | <i>Thomontocypris brightae</i> MADDOCKS, 2006 | EPR: 9°N | 313 |
| Arthropoda, Crustacea, Ostracoda, Pontocypridae | <i>Thomontocypris gollnerae</i> MADDOCKS, 2006 | EPR: 9°N | 314 |
| Arthropoda, Crustacea, Ostracoda, Cytheruridae | <i>Xylocythere vanharteni</i> MADDOCKS, 2006 | EPR: 13°N, 9°N | 315 |
| Arthropoda, Crustacea, Copepoda, Aegistidae | <i>Andromastax muricatus</i> CONROY-DALTON & HUYS, 1999 | Galapagos | 318 |
| Arthropoda, Crustacea, Copepoda, Aegistidae | <i>Andromastax cephaloceratus</i> LEE & HUYS, 2000 | Okinawa T | 318 |
| Arthropoda, Crustacea, Copepoda, Ancorabolidae | <i>Uptonyx verreauxi</i> CONROY-DALTON & HUYS, 2000 | JFR: MV | 319 |
| Arthropoda, Crustacea, Copepoda, Argastidae | <i>Argastoides prehensilis</i> HUYS & CONROY-DALTON, 1997 | Galapagos | 320 |
| Arthropoda, Crustacea, Copepoda, Argastidae | <i>Jarnstecia terazakii</i> LEE & HUYS, 2000 | Okinawa T | 321 |
| Arthropoda, Crustacea, Copepoda, Argastidae | <i>Scabrantenna yooi</i> LEE & HUYS, 2000 | Okinawa T | 322 |
| Arthropoda, Crustacea, Copepoda, Asterocheridae | <i>Cheramomyzon abyssale</i> HUMES, 1989 | EPR: 13°N | 323 |
| Arthropoda, Crustacea, Copepoda, Asterocheridae | <i>Collocherides brychius</i> HUMES, 1999 | JFR: S-JFR | 324 |
| Arthropoda, Crustacea, Copepoda, Clausidiidae | <i>Hyphalion captans</i> HUMES, 1987 | Guaymas | 325 |
| Arthropoda, Crustacea, Copepoda, Cyclopinidae | <i>Barathricola rimensis</i> HUMES, 1999 | JFR: CAS | 326 |
| Arthropoda, Crustacea, Copepoda, Cyclopinidae | <i>Heptnerina confusa</i> IVANENKO & DEFAY, 2004 | MAR: LS | 327 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Aphotopontius acanthinus</i> HUMES & LUTZ, 1994 | Galapagos | 328 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Aphotopontius arcuatus</i> HUMES, 1987 | EPR: 9°N; Galapagos | 328 |

| | | | |
|---|---|---|-----|
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Aphotopontius atlanteus</i> HUMES, 1996 | MAR: LS, MG | 328 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Aphotopontius baculigerus</i> HUMES, 1987 | EPR: 21°N; Galapagos | 328 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Aphotopontius flexispina</i> HUMES, 1987 | EPR: 13°N | 328 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Aphotopontius forcipatus</i> HUMES, 1987 | Gorda; JFR; Guaymas | 328 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Aphotopontius hydronauticus</i> HUMES, 1989 | EPR: 13°N | 328 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Aphotopontius limatulus</i> HUMES, 1987 | EPR: 21°N, 9°N; Galapagos | 328 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Aphotopontius mammillatus</i> HUMES, 1987 | EPR: 13°N, 21°N, 13°N; Galapagos; Guaymas | 328 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Aphotopontius probolus</i> HUMES, 1990 | Galapagos | 328 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Benthoxynus spiculifer</i> HUMES, 1984 | Expoter, Gorda, JFR: AV | 330 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Benthoxynus tumidisetia</i> HUMES, 1989 | EPR: 13°N | 330 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Ceuthoecetes acanthothrix</i> HUMES, 1987 | EPR; Galapagos | 331 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Ceuthoecetes aliger</i> HUMES & DOJIRI, 1980 | EPR; Galapagos | 331 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Ceuthoecetes cristatus</i> HUMES, 1987 | EPR; Galapagos | 331 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Ceuthoecetes introversus</i> HUMES, 1987 | EPR; Galapagos | 331 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Chasmatopontius thescalus</i> HUMES, 1990 | Lau, Mariana | 332 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Dirivultus spinigulatus</i> HUMES, 1999 | Tabar-Feni: ES | 333 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Exima dolichopus</i> HUMES, 1987 | EPR: 13°N | 334 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Exima singularis</i> HUMES, 1987 | EPR: 21°N | 334 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Fissuricola caritus</i> HUMES, 1987 | EPR: 21°N | 335 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Humesipontius arthuri</i> IVANENKO & FERRARI, 2003 | JFR | 336 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Nilva torifera</i> HUMES, 1987 | EPR: 21°N, 13°N; Galapagos | 337 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Rhogobius contractus</i> HUMES, 1987 | EPR: 21°N, 13°N; Galapagos | 338 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Rhogobius pressulus</i> HUMES, 1989 | Galapagos | 338 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Rhogobius rapunculus</i> (HUMES & SEGONZAC, 1998) | EPR: 9°N | 338 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Rimipontius mediospinifer</i> HUMES, 1996 | MAR: BS, LO, SP | 339 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Scotoecetes introrsus</i> HUMES, 1987 | EPR: 13°N, 9°N | 340 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius appositus</i> HUMES, 1989 | EPR: 21°N, 13°N | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius brevispina</i> HUMES, 1991 | Lau | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius cinctiger</i> HUMES, 1987 | EPR: 21°N, 13°N, 9°N | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius cladarus</i> HUMES, 1996 | MAR: BS, TAG | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius flexus</i> HUMES, 1987 | EPR: 9°N; Guaymas | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius hispidulus</i> HUMES, 1987 | EPR: 21°N, 13°N, 9°N | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius latulus</i> HUMES, 1996 | MAR: SP | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius lauensis</i> HUMES, 1991 | Lau | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius mirus</i> HUMES, 1996 | EPR: 9°N; MAR: SP | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius mucroniferus</i> HUMES, 1987 | EPR: 9°N; Guaymas | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius paxillifer</i> HUMES, 1989 | EPR: 21°N, 9°N | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius pectinatus</i> HUMES, 1987 | Mariana, MAR: BS, SP, TAG | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius quadrispinosus</i> HUMES, 1987 | Gorda, Explorer, JFR | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius regius</i> HUMES, 1996 | MAR: SP | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius rrimivagus</i> HUMES, 1997 | MAR: LS | 341 |

| Phylum, Class, Order, Family | Species | Distribution | Page |
|---|---|--|------|
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius sentifer</i> HUMES, 1987 | EPR: 21°N, 13°N, 9°N | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius serratus</i> HUMES, 1996 | MAR: SP | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius stabilitus</i> HUMES, 1990 | EPR: 13°N, Mariana | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius teres</i> HUMES, 1996 | MAR: SP | 341 |
| Arthropoda, Crustacea, Copepoda, Dirivultidae | <i>Stygiopontius verruculatus</i> HUMES, 1987 | EPR: 21°N, 9°N | 341 |
| Arthropoda, Crustacea, Copepoda, Ecbathyriontidae | <i>Ecbathyrion prolixicauda</i> HUMES, 1987 | EPR: 21°N, 13°N, 9°N; Galapagos | 343 |
| Arthropoda, Crustacea, Copepoda, Erebonasteridae | <i>Ambilimbus altalis</i> (HUMES & HUYS, 1992) | JFR | 344 |
| Arthropoda, Crustacea, Copepoda, Erebonasteridae | <i>Ambilimbus arcuselestis</i> IVANENKO DEFAVE & HUYS, 2005 | MAR: RB | 344 |
| Arthropoda, Crustacea, Copepoda, Erebonasteridae | <i>Ambilimbus tuerkayi</i> (MARTINEZ-ARBIZU, 1999) | NFiji | 344 |
| Arthropoda, Crustacea, Copepoda, Laophontidae | <i>Bathylaophonte azorica</i> LEE & HUYS, 1999 | MAR: LS, MG | 345 |
| Arthropoda, Crustacea, Copepoda, Laophontidae | <i>Bathylaophonte pacifica</i> LEE & HUYS, 1999 | EPR: 17°S | 345 |
| Arthropoda, Crustacea, Copepoda, Lubbockiidae | <i>Laitmatobius crinitus</i> HUMES, 1987 | Guaymas | 346 |
| Arthropoda, Crustacea, Copepoda, Megapontiidae | <i>Hyalopontius boxshalli</i> HUMES, 1988 | Galapagos | 347 |
| Arthropoda, Crustacea, Copepoda, Miraciidae | <i>Stenhelia gundulae</i> WILLEN, 2003 | Tabar-Feni: ES | 348 |
| Arthropoda, Crustacea, Copepoda, Misophriidae | <i>Misophriopsis longicaudata</i> BOXSHALL, 1983 | JFR: CAS | 349 |
| Arthropoda, Crustacea, Copepoda, Oncaeidae | <i>Oncaea praeclara</i> HUMES, 1988 | EPR: 21°N, 13°N, 9°N; Galapagos; Guaymas | 350 |
| Arthropoda, Crustacea, Copepoda, Scolecitrichidae | <i>Grievella shanki</i> FERRARI & MARKHASEVA, 2000 | EPR: 21°S | 351 |
| Arthropoda, Crustacea, Copepoda, Spinocalanidae | <i>Isaacsicalanus paucisetus</i> FLEMINGER, 1983 | EPR: 21°N | 352 |
| Arthropoda, Crustacea, Copepoda, Tegastidae | <i>Smacigastes micheli</i> IVANENKO & DEFAVE, 2004 | MAR: LS | 353 |
| Arthropoda, Crustacea, Copepoda, Tisbidae | <i>Cholioda polypi</i> FARRAN, 1914 | JFR: MV; non-vent locations | 354 |
| Arthropoda, Crustacea, Copepoda, Tisbidae | <i>Genesis vulcanoctopusi</i> LÓPEZ-GONZÁLEZ, BRESCIANI & HUYS, 2000 | EPR: 13°N | 355 |
| Arthropoda, Crustacea, Cirripedia, Chionelasmatoidea | <i>Eochionelasmus ohtai</i> YAMAGUCHI, 1990 | NFiji, Lau, Manus | 358 |
| Arthropoda, Crustacea, Cirripedia, Chionelasmatoidea | <i>Eochionelasmus paquensis</i> YAMAGUCHI & NEWMAN, 1997 | EPR: 17°S | 359 |
| Arthropoda, Crustacea, Cirripedia, Eolepadidae | <i>Ashinkailepas seepiophila</i> YAMAGUCHI, NEWMAN & HASHIMOTO, 2004 | Sagami Bay (vent part) | 360 |
| Arthropoda, Crustacea, Cirripedia, Eolepadidae | <i>Leucolepas longa</i> SOUTHWARD & JONES, 2003 | Tabar-Feni: ES | 361 |
| Arthropoda, Crustacea, Cirripedia, Eolepadidae | <i>Neolepas rapanuii</i> JONES, 1993 | EPR: 23°S | 362 |
| Arthropoda, Crustacea, Cirripedia, Eolepadidae | <i>Neolepas zeviniae</i> NEWMAN, 1979 | EPR: 21°N-9°N | 363 |
| Arthropoda, Crustacea, Cirripedia, Eolepadidae | <i>Vulcanolepas osheai</i> (BUCKERIDGE, 2000) | Kermadec: BS | 364 |
| Arthropoda, Crustacea, Cirripedia, Eolepadidae | <i>Vulcanolepas parensis</i> SOUTHWARD, 2005 | PAR: 37°S-38°S | 365 |
| Arthropoda, Crustacea, Cirripedia, Neobrachylepadidae | <i>Neobrachylepas relicta</i> NEWMAN & YAMAGUCHI, 1995 | Lau | 366 |
| Arthropoda, Crustacea, Cirripedia, Neoverrucidae | <i>Imbricaverruca yamaguchii</i> NEWMAN, 2000 | Lau: HH | 367 |
| Arthropoda, Crustacea, Cirripedia, Neoverrucidae | <i>Neoverruca brachylepadiformis</i> NEWMAN, 1989 | Mariana | 368 |
| Arthropoda, Crustacea, Leptostraca, Nebaliidae | <i>Dahliella caldariensis</i> HESSLER, 1984 | EPR: 21°N-18°S; Galapagos | 369 |
| Arthropoda, Crustacea, Cumacea, Bodotriidae | <i>Atlantocuma bidentatum</i> LEDOYER, 1988 | EPR: 13°N; non-vent locations | 370 |
| Arthropoda, Crustacea, Cumacea, Bodotriidae | <i>Bathycuma brevirostre</i> (NORMAN, 1879) | MAR: LS | 371 |
| Arthropoda, Crustacea, Tanaidacea, Fam. indet. | <i>Armaturatanais atlanticus</i> LARSEN, BLAZEWICZ-PASZKOWYCZ & CUHNA, in press | MAR: LS | 373 |
| Arthropoda, Crustacea, Tanaidacea, Colleteidae | <i>Leptognathiella fragilis</i> LARSEN, BLAZEWICZ-PASZKOWYCZ & CUHNA, in press | MAR: LS | 374 |
| Arthropoda, Crustacea, Tanaidacea, Leptocheiliidae | <i>Mesotanais styxis</i> LARSEN, BLAZEWICZ-PASZKOWYCZ & CUHNA, in press | MAR: LS | 375 |
| Arthropoda, Crustacea, Tanaidacea, Nototanaidae | <i>Obesutanais sigridi</i> LARSEN, BLAZEWICZ-PASZKOWYCZ & CUHNA, in press | MAR: LS | 376 |
| Arthropoda, Crustacea, Tanaidacea, Nototanaidae | <i>Typhlotanais incognitus</i> LARSEN, BLAZEWICZ-PASZKOWYCZ & CUHNA, in press | MAR: LS | 377 |

| | | | |
|---|--|---|-----|
| Arthropoda, Crustacea, Tanaiacea, Pseudotanaidae | <i>Pseudotanaeis vulsella</i> BIRD & HOLDICH, 1989 | MAR: LS; non-vent locations | 378 |
| Arthropoda, Crustacea, Isopoda, Ischnomesiidae | <i>Heteromesus calcar</i> CUNHA & WILSON, in press | MAR: LS | 381 |
| Arthropoda, Crustacea, Isopoda, Ischnomesiidae | <i>Heteromesus ctenobasius</i> CUNHA & WILSON, in press | MAR: LS | 380 |
| Arthropoda, Crustacea, Amphipoda, Ampeliscidae | <i>Ampelisca romigi</i> BARNARD, 1954 | EPR, Guaymas, non-vent locations | 383 |
| Arthropoda, Crustacea, Amphipoda, Amphilocheidae | <i>Gitanopsis alvina</i> BELLAN-SANTINI & THURSTON, 1996 | MAR: LS | 384 |
| Arthropoda, Crustacea, Amphipoda, Aoridae | <i>Autonoe longicornis</i> CHEVREUX, 1909 | MAR: LS | 385 |
| Arthropoda, Crustacea, Amphipoda, Calliopeiidae | <i>Oradarea longimana</i> (BOECK, 1871) | JFR; non-vent locations | 386 |
| Arthropoda, Crustacea, Amphipoda, Caprellidae | <i>Caprella bathyatos</i> MARTIN & PETTIT, 1998 | JFR | 387 |
| Arthropoda, Crustacea, Amphipoda, Eusiridae | <i>Bouvierella curtirama</i> BELLAN-SANTINI & THURSTON, 1996 | MAR: LS | 388 |
| Arthropoda, Crustacea, Amphipoda, Eusiridae | <i>Luckia striki</i> BELLAN-SANTINI & THURSTON, 1996 | MAR: LS | 389 |
| Arthropoda, Crustacea, Amphipoda, Ischyroceridae | <i>Bonnierella compar</i> MYERS & CUNHA, 2004 | MAR: LS | 390 |
| Arthropoda, Crustacea, Amphipoda, Ischyroceridae | <i>Bonnierella linearis</i> BARNARD, 1964 | JFR, Explorer, non-vent locations | 391 |
| Arthropoda, Crustacea, Amphipoda, Lysianassidae | <i>Apotectonia heterostegos</i> BARNARD & INGRAM, 1990 | Galapagos | 392 |
| Arthropoda, Crustacea, Amphipoda, Lysianassidae | <i>Cyclocaris tahitensis</i> STEBBING, 1888 | Guaymas, non-vent locations | 393 |
| Arthropoda, Crustacea, Amphipoda, Lysianassidae | <i>Euonyx mytilus</i> BARNARD & INGRAM, 1990 | EPR:13°N, Galapagos | 394 |
| Arthropoda, Crustacea, Amphipoda, Lysianassidae | <i>Hirondellea glutonis</i> BARNARD & INGRAM, 1990 | Galapagos, EPR | 395 |
| Arthropoda, Crustacea, Amphipoda, Lysianassidae | <i>Orchomene (Abyssorchomene) abyssorum</i> STEBBING, 1888 | Galapagos, non-vent locations | 396 |
| Arthropoda, Crustacea, Amphipoda, Lysianassidae | <i>Orchomene (Abyssorchomene) distinctus</i> BIRSTEIN & VINOGRADOV, 1960 | EPR: 13°N, non-vent locations | 397 |
| Arthropoda, Crustacea, Amphipoda, Lysianassidae | <i>Tectovalopsis diabolus</i> BARNARD & INGRAM, 1990 | EPR: 13°N | 398 |
| Arthropoda, Crustacea, Amphipoda, Lysianassidae | <i>Tectovalopsis wegneri</i> BARNARD & INGRAM, 1990 | EPR: 13°N | 399 |
| Arthropoda, Crustacea, Amphipoda, Lysianassidae | <i>Transtectonia torrentis</i> BARNARD & INGRAM, 1990 | EPR:13°N | 400 |
| Arthropoda, Crustacea, Amphipoda, Oedicerotidae | <i>Bathymedon curtipalpus</i> VINOGRADOV, 1993 | EPR | 401 |
| Arthropoda, Crustacea, Amphipoda, Pardaliscidae | <i>Halice hesmonectes</i> MARTIN, FRANCE & VAN DOVER, 1993 | EPR: 9°N | 402 |
| Arthropoda, Crustacea, Amphipoda, Pardaliscidae | <i>Pardalisca endeavouri</i> SHAW, 1989 | Explorer | 402 |
| Arthropoda, Crustacea, Amphipoda, Phoxocephalidae | <i>Harpiniopsis fulgens</i> BARNARD, 1960 | EPR, Guaymas | 403 |
| Arthropoda, Crustacea, Amphipoda, Sebidae | <i>Seba profundus</i> SHAW, 1989 | Explorer | 403 |
| Arthropoda, Crustacea, Amphipoda, Stegocephalidae | <i>Steleuthera ecoprophycea</i> BELLAN-SANTINI & THURSTON, 1996 | MAR: LS | 404 |
| Arthropoda, Crustacea, Amphipoda, Stenothoidae | <i>Metopa (Prometopa) samsiluna</i> BARNARD, 1966 | Guaymas, non-vent locations | 405 |
| Arthropoda, Crustacea, Amphipoda, Stenothoidae | <i>Stenothoe menezgweni</i> BELLAN-SANTINI, 2005 | MAR: MG | 406 |
| Arthropoda, Crustacea, Amphipoda, Stenothoidae | <i>Torometopa saldanhae</i> BELLAN-SANTINI, 2005 | MAR: MG; LS; RB | 407 |
| Arthropoda, Crustacea, Amphipoda, Uristidae | <i>Ventrella sulfuris</i> BARNARD & INGRAM, 1990 | Galapagos; EPR | 408 |
| Arthropoda, Crustacea, Euphausiacea, Euphausiidae | <i>Thysanoessa parva</i> HANSEN, 1905 | MAR: RB; non-vent locations | 409 |
| Arthropoda, Crustacea, Decapoda, Nematocarinidae | <i>Nematocarcinus burukovskiy</i> KOMAI & SEGONZAC, 2005 | EPR: 17°S, 23°S; PAR: 31°S | 411 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Alvinocaris brevitelsonis</i> KIKUCHI & HASHIMOTO, 2000 | Okinawa T: MEK | 413 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Alvinocaris dissimilis</i> KOMAI & SEGONZAC, 2005 | Okinawa T: MEK | 414 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Alvinocaris longirostris</i> KIKUCHI & OHTA, 1995 | Kermadec: BS; Okinawa T: IR, HK; non-vent locations | 415 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Alvinocaris lusca</i> WILLIAMS & CHACE, 1982 | EPR: 9°N; Galapagos | 416 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Alvinocaris markensis</i> WILLIAMS, 1988 | MAR: BS, LO, LS, RB, SP, TAG | 417 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Alvinocaris niwa</i> WEBBER, 2004 | Kermadec: BS, RVS | 419 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Alvinocaris williamsi</i> SHANK & MARTIN, 2003 | MAR: MG | 420 |

| Phylum, Class, Order, Family | Species | Distribution | Page |
|--|---|---|------|
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Chorocaris chacei</i> (WILLIAMS & RONA, 1986) | MAR: LO, LS, RB, SP, TAG | 421 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Chorocaris paulixa</i> MARTIN & SHANK, 2005 | EPR: 17°S | 422 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Chorocaris vandoverae</i> (MARTIN & HESSLER, 1990) | Lau, Mariana, Manus, NFiji | 423 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Mirocaris fortunata</i> (MARTIN & CHRISTIANSEN, 1995) | MAR: BS, LO, LS, MG, RB, SP, TAG | 424 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Mirocaris indica</i> KOMAI, MARTIN, ZALA, TSUCHIDA & HASHIMOTO, in press | CIR: KVF, EVF | 425 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Nautilocaris saintlaurentae</i> KOMAI & SEGONZAC, 2005 | Lau, NFiji | 426 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Opaepele loihi</i> WILLIAMS & DOBBS, 1995 | Hawaii: Loihi Seamount | 427 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Rimicaris exoculata</i> WILLIAMS & RONA, 1986 | MAR: LS, RB, SP, TAG | 428 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Rimicaris kairei</i> WATABE & HASHIMOTO, 2002 | CIR: KVF, EVF | 429 |
| Arthropoda, Crustacea, Decapoda, Alvinocarididae | <i>Shinkaicaris leurokolos</i> (KIKUCHI & HASHIMOTO, 2000) | Okinawa T: MEK | 430 |
| Arthropoda, Crustacea, Decapoda, Hippolytidae | <i>Lebbeus carinatus</i> DE SAINT LAURENT, 1984 | EPR: 13°N | 431 |
| Arthropoda, Crustacea, Decapoda, Nephropidae | <i>Thymopides laurentae</i> SEGONZAC & MACPHERSON, 2004 | MAR: SP | 433 |
| Arthropoda, Crustacea, Decapoda, Parapaguridae | <i>Paragiopagurus ventrilatus</i> LEMAITRE, 2004 | Okinawa A: NET | 435 |
| Arthropoda, Crustacea, Decapoda, Lithodidae | <i>Paralomis hirtella</i> DE SAIN LAURENT & MACPHERSON, 1997 | Lau: HH; NFiji: WL | 436 |
| Arthropoda, Crustacea, Decapoda, Lithodidae | <i>Paralomis verrilli</i> (BENEDICT, 1895) | JFR: AV; non-vent locations | 437 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munida magniantennulata</i> BABA & TÜRKAY, 1992 | Lau: HH | 438 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munidopsis acutispina</i> BENEDICT, 1902 | MAR: LC; non-vent locations | 439 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munidopsis alvisca</i> WILLIAMS, 1988 | Explorer: MM; Guaymas; JFR | 440 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munidopsis diomedea</i> (FAXON, 1893) | EPR | 441 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munidopsis exuta</i> MACPHERSON & SEGONZAC, 2005 | MAR: SP, TAG | 442 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munidopsis laevis</i> BABA & DE SAINT LAURENT, 1992 | Lau: VF, HH; NFiji: WL | 443 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munidopsis lentigo</i> WILLIAMS & VAN DOVER, 1983 | EPR: 21°N | 444 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munidopsis marianica</i> WILLIAMS & BABA, 1989 | Manus | 445 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munidopsis sonne</i> BABA, 1995 | NFiji | 446 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munidopsis starmar</i> BABA & DE SAINT LAURENT, 1992 | NFiji: WL | 447 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Munidopsis whiteaves</i> , 1874 | Galapagos: EPR | 448 |
| Arthropoda, Crustacea, Decapoda, Galatheiidae | <i>Shinkaia crosnieri</i> BABA & WILLIAMS, 1998 | Okinawa A: NET; Okinawa T: IR, NIK; Tabar-Feni: ES; Ryuku Islands | 449 |
| Arthropoda, Crustacea, Decapoda, Kiwaidae | <i>Kiwa hirsuta</i> MACPHERSON, JONES & SEGONZAC, 2005 | PAR: 38°S | 450 |
| Arthropoda, Crustacea, Decapoda, Chirostylidae | <i>Uroptychus bicaucus</i> BABA & DE SAINT LAURENT, 1992 | NFiji: MV | 452 |
| Arthropoda, Crustacea, Decapoda, Chirostylidae | <i>Uroptychus edisonicus</i> BABA & WILLIAMS, 1998 | Tabar-Feni: ES | 453 |
| Arthropoda, Crustacea, Decapoda, Chirostylidae | <i>Uroptychus thermalis</i> BABA & DE SAINT LAURENT, 1992 | NFiji: WL; non-vent locations | 454 |
| Arthropoda, Crustacea, Decapoda, Majidae | <i>Macroregonia macrochira</i> SAKAI, 1978 | Explorer, JFR, non-vent locations | 456 |
| Arthropoda, Crustacea, Decapoda, Portunidae | <i>Bathynectes maravigna</i> (PRESTANDREA, 1839) | MAR: LS, MG; non-vent locations | 457 |
| Arthropoda, Crustacea, Decapoda, Geryonidae | <i>Chaceon affinis</i> MILNE-EDWARDS & BOUVIER, 1894 | MAR: MG, LS; non-vent locations | 458 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Allograea tomentosa</i> GUINOT, HURTADO & VRUENHOEK, 2002 | PAR: 31°S | 459 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>AustinoGraea alayseeae</i> GUINOT, 1990 | Lau: HH, VL; Manus; NFiji: WL | 460 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>AustinoGraea rodriguezensis</i> TSUCHIDA & HASHIMOTO, 2002 | CIR: KVF, EVF | 462 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>AustinoGraea williamsi</i> HESSLER & MARTIN, 1989 | Mariana | 463 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>AustinoGraea yunohana</i> TAKEDA, HASHIMOTO & OHTA, 2000 | Izu | 464 |

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| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Bythograea galapagensis</i> GUINOT & HURTADO, 2003 | Galapagos | 465 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Bythograea intermedia</i> DE SAINT LAURENT, 1988 | Galapagos | |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Bythograea laubieri</i> GUINOT & SEGONZAC, 1997 | EPR: 11°S-23°S; PAR: 31°S | 466 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Bythograea microps</i> DE SAINT LAURENT, 1989 | EPR: 21°N-23°S; PAR: 31°S-38°S; Galapagos | 468 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Bythograea thermydron</i> WILLIAMS, 1980 | EPR: 21°N-18°S; Galapagos | 469 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Bythograea vrijenhoeki</i> GUINOT & HURTADO, 2003 | PAR: 31°S-38°S | 470 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Cyanograea preadator</i> DE SAINT LAURENT, 1984 | EPR: 21°N, 13°N, 14°S, 18°S | 472 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Segonzacia mesatlantica</i> (WILLIAMS, 1988) | MAR: LO, LS, MG, RB, SP, TAG | 473 |
| Arthropoda, Crustacea, Decapoda, Varunidae | <i>Xenograpsus testudinatus</i> NG, HUANG & HO, 2000 | Okinawa A: NET | 474 |
| Echinodermata, Crinoidea, Cyrtocrinida, Hyocrinidae | <i>Hyocrinus biscoifoi</i> Roux, 2004 | EPR: 13°N; non-vent locations | 475 |
| Echinodermata, Crinoidea, Cyrtocrinida, Hyocrinidae | <i>Laubiericrinus pentagonalis</i> Roux, 2004 | NFiji: non-vent locations | 476 |
| Echinodermata, Asteroidea, Brisingida, Brisingidae | <i>Brisinga endecacnemos</i> ASBJØRNSEN, 1856 | MAR: LO; non-vent locations | 477 |
| Echinodermata, Asteroidea, Brisingida, Freyellidae | <i>Freyella</i> PERRIER, 1885 | EPR: 13°N; PAR; Lau, NFiji | 478 |
| Echinodermata, Echinoidea, Echinidae | <i>Echinus alexandri</i> DANIELSEN & KOREN, 1883 | MAR: LS; non-vent locations | 479 |
| Echinodermata, Holothuroidea, Chiridotidae | <i>Chiridota hydrothermica</i> SMIRNOV & GEBRUK, 2000 | EPR: 17°S-21°S; Manus, NFiji | 480 |
| Echinodermata, Ophiuroidea, Ophiurida, Ophiactidae | <i>Ophiactis tyleri</i> STÖHR & SEGONZAC, 2005 | MAR: MG, 38°N | 482 |
| Echinodermata, Ophiuroidea, Ophiurida, Ophiuridae | <i>Ophioctenella acies</i> TYLER et al., 1995 | MAR; non-vent locations | 483 |
| Echinodermata, Ophiuroidea, Ophiurida, Ophiuridae | <i>Spinophiura jolliveti</i> STÖHR & SEGONZAC, 2006 | EPR: 13°N-9°N, 17°S-18°S; PAR: 38°S | 484 |
| Echinodermata, Ophiuroidea, Ophiurida, Ophiacanthidae | <i>Ophiolamina eprae</i> STÖHR & SEGONZAC, 2006 | EPR: 13°N, 9°N, 17°S-18°S | 485 |
| Chaetognatha, Spadellidae | <i>Calispadella alata</i> CSANOVA & MOREAU, 2005 | MAR: LS | 486 |
| Hemichordata, Enteropneusta, Saxipendidae | <i>Saxipendula coronata</i> WOODWICK & SENSENBAUGH, 1985 | EPR: 21°N-17°S; PAR: 38°S; Galapagos | 487 |
| Chordata, Chondrichthyes, Chimaeriformes, Chimaeridae | <i>Hydrolagus affinis</i> (CAPELLO, 1868) | MAR: LS, MS, RB; non-vent locations | 491 |
| Chordata, Chondrichthyes, Chimaeriformes, Chimaeridae | <i>Hydrolagus pallidus</i> HARDY & STEHMANN, 1990 | MAR: LS, Menez Hom, MS; RB; non-vent locations | 492 |
| Chordata, Osteichthyes, Anguilliformes, Synphobranchidae | <i>Dysommima rugosa</i> GINSBURG, 1951 | Intra-plate Seamount: Vailulu | 493 |
| Chordata, Osteichthyes, Anguilliformes, Synphobranchidae | <i>Ilyophis saldanhai</i> KARMOVSKAYA & PARIN, 1999 | EPR: 21°S; MAR: BS | 494 |
| Chordata, Osteichthyes, Gadiformes, Synphobranchidae | <i>Thermobiotes mytilogeiton</i> GEISTDORFER, 1991 | Lau: VV | 496 |
| Chordata, Osteichthyes, Gadiformes, Lotidae | <i>Gaidropsarus</i> RAFINESQUE, 1810 | MAR: LS | 497 |
| Chordata, Osteichthyes, Gadiformes, Moridae | <i>Lepidion schmidti</i> SVETOVIDOV, 1936 | MAR: MG; non-vent locations | 498 |
| Chordata, Osteichthyes, Ophidiiformes, Bythitidae | <i>Cataetix laticeps</i> KOEFOED, 1927 | MAR: MG, MS, Menez Hom, LS, RB; non-vent locations | 499 |
| Chordata, Osteichthyes, Ophidiiformes, Bythitidae | <i>Thermichthys hollisi</i> (COHEN, ROSENBLATT & MOSER, 1990) | EPR: 17°S, 21°S; Galapagos | 500 |
| Chordata, Osteichthyes, Ophidiiformes, Ophidiidae | <i>Ventichthys biosepoi</i> NIELSEN, MOLLER & SEGONZAC, in press | EPR: 17°S | 501 |
| Chordata, Osteichthyes, Perciformes, Zoarcidae | <i>Pachycara gymminium</i> ANDERSON & PEDEN, 1988 | JFR: AV, ES; non-vent locations | 502 |
| Chordata, Osteichthyes, Perciformes, Zoarcidae | <i>Pachycara rima</i> ANDERSON, 1989 | Galapagos | 503 |
| Chordata, Osteichthyes, Perciformes, Zoarcidae | <i>Pachycara saldani</i> BISCOITO & ALMEIDA, 2004 | MAR: RB | 504 |
| Chordata, Osteichthyes, Perciformes, Zoarcidae | <i>Pachycara thermophilum</i> GEISTDORFER, 1994 | MAR: SP, TAG | 505 |
| Chordata, Osteichthyes, Perciformes, Zoarcidae | <i>Pyrolycus manusanus</i> MACHIDA & HASHIMOTO, 2002 | Manus | 506 |
| Chordata, Osteichthyes, Perciformes, Zoarcidae | <i>Thermarces cerberus</i> ROSENBLATT & COHEN, 1986 | EPR: 21°N, 13°N, 9°N; Galapagos | 507 |
| Chordata, Osteichthyes, Scorpaeniformes, Liparidae | <i>Careproctus hyaleius</i> GEISTDORFER, 1994 | EPR: 13°N-9°N | 509 |
| Chordata, Osteichthyes, Scorpaeniformes, Sebastidae | <i>Trachyscorpia cristulata echinata</i> (KOEHLER, 1896) | MAR: MG; non-vent locations | 510 |
| Chordata, Osteichthyes, Gadiformes, Macrouridae | <i>Coryphaenoides armatus</i> HECTOR, 1875 | EPR: 9°N; Galapagos; MAR: LS, RB, SP; non vent locations | 511 |

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Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Denisia](#)

Jahr/Year: 2006

Band/Volume: [0018](#)

Autor(en)/Author(s): Anonym

Artikel/Article: [Species list 519-531](#)