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| 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 |

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| 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>Austino-graea alayseeae</i> GUINOT, 1990 | Lau: HH, VL; Manus; NFiji: WL | 460 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Austino-graea rodriguezensis</i> TSUCHIDA & HASHIMOTO, 2002 | CIR: KVF, EVF | 462 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Austino-graea williamsi</i> HESSLER & MARTIN, 1989 | Mariana | 463 |
| Arthropoda, Crustacea, Decapoda, Bythograeidae | <i>Austino-graea 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 therymydron</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 |
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| 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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