*Appendix Table 1.3:* The symbionts associated with the invasive crustaceans, including any known taxonomic information about themselves and their host.

| **Host Species** | **Organism Type** | Pathogen or disease | **Pathogen Type** | **Reference** |
| --- | --- | --- | --- | --- |
| *Acantharctus posteli* | Lobster | *None* | - | - |
| *Acartia (Acanthacartia) fossae* | Copepod | *None* | - | - |
| *Acartia (Acanthacartia) tonsa* | Copepod | *Epistylus sp.* | Ciliate protozoan | Turner et al. 1979 |
| *Zoothamnium intermedium* | Epibiont | Utz, 2008 |
| *Bacterial infection* | Bacteria | Turner et al. 1979 |
| *Probopyrus pandalicola* | Isopod | Beck, 1979 |
| *Acartia tonsa copepod circo-like virus* | Virus | Dunlap et al. 2013 |
| *Acartia (Acartiura) omorii* | Copepod | *None* | - | - |
| *Acartia (Odontacartia) centrura* | Copepod | *None* | - | - |
| *Actaea savignii* | Crab | *None* | - | - |
| *Actaeodes tomentosus* | Crab | *None* | - | - |
| *Actumnus globulus* | Crab | *None* | - | - |
| *Alpheus audouini* | Shrimp | *None* | - | - |
| *Alpheus inopinatus* | Shrimp | *None* | - | - |
| *Alpheus migrans* | Shrimp | *None* | - | - |
| *Alpheus rapacida* | Shrimp | *None* | - | - |
| *Ameira divagans* | Maxillipod | *None* | - | - |
| *Ampelisca cavicoxa* | Amphipod | *None* | - | - |
| *Ampelisca heterodactyla* | Amphipod | *None* | - | - |
| *Amphibalanus eburneus* | Barnacle | *None* | - | - |
| *Amphibalanus improvisus* | Barnacle | *None* | - | - |
| *Amphibalanus reticulatus* | Barnacle | *None* | - | - |
| *Amphibalanus variegatus* | Barnacle | *None* | - | - |
| *Ampithoe bizseli* | Amphipod | *None* | - | - |
| *Anilocra pilchardi* | Ectoparasitic Isopod | *None* | - | - |
| *Apanthura sandalensis* | Ectoparasitic Isopod | *None* | - | - |
| *Argulus japonicus* | Ectoparasitic Fish louse | *None* | - | - |
| *Arietellus pavoninus* | Copepod | *None* | - | - |
| *Artemia franciscana* | Brine shrimp | *Vibrio harveyi* | Bacterial | Defoirdt et al. 2006 |
| *Vibrio campbellii* | Bacterial | Defoirdt et al. 2006 |
| *Vibrio parahaemolyticus* | Bacterial | Defoirdt et al. 2006 |
| *Vibrio anguillarum* | Bacterial | Defoirdt et al. 2005 |
| *Aeromonas hydrophila* | Bacterial | Defoirdt et al. 2005 |
| *White Spot Syndrome Virus* | Virus | Li et al. 2003 |
| *Flamingolepis liguloides* | Cestode | Georgiev et al. 2007 |
| *Flamingolepis flamingo* | Cestode | Georgiev et al. 2007 |
| *Gynandrotaenia stammeri* | Cestode | Georgiev et al. 2007 |
| *Wardium stellorae* | Cestode | Georgiev et al. 2007 |
| *Confluaria podicipina* | Cestode | Georgiev et al. 2007 |
| *Anomotaenia tringae* | Cestode | Georgiev et al. 2007 |
| *Anomotaenia microphallos* | Cestode | Georgiev et al. 2007 |
| *Eurycestus avoceti* | Cestode | Georgiev et al. 2007 |
| *Fimbriarioides tadornae* | Cestode | Georgiev et al. 2007 |
| *unidentified hymenolepidid species* | Cestode | Georgiev et al. 2007 |
| *Nosema artemiae* | Microsporidian | Ovcharenko and Wita, 2005 |
| *Anostracospora rigaudi* | Microsporidian | Rode et al. 2013b |
| *Enterocytospora artemiae* | Microsporidian | Rode et al. 2013b |
| *Cryptosporidium parvum* | Protozoan | Mendez-Hermida et al. 2006 |
| *Giardia intestinalis* | Protozoan | Mendez-Hermida et al. 2006 |
| *Necrotizing hepatopancreatitis bacteria (NHPB)* | Bacteria | Avila-Villa et al. 2011 |
| *Ashtoret lunaris* | Crab | *None* | - | - |
| *Astacus astacus* | Crayfish | *Astacus astacus Bacilliform Virus* | Virus | Edgerton et al. 1996 |
| *Aphanomyces astaci (variable strains)* | Fungus | Vennerström et al. 1998 |
| *Infectious pancreatic necrosis virus (IPNV)* | Virus | Halder and Ahne, 1988 |
| *Psorospermium haeckeli* | Mesomycetozoan | Cerenius et al. 1991 |
| *Thelohania contejeani* | Microsporidian | Mario and Salvidio, 2000 |
| *Unspecified nematode parasite* | Nematode | Ljungberg and Monne, 1968 |
| *Trichosporon beigelii* | Fungus | Söderhäll et al. 1993 |
| *WSSV (experimental infection)* | Virus | Baumgartner et al. 2009 |
| *Astacus leptodactylus* | Crayfish | *Saprolegnia parasitica* | Fungus | Söderhäll et al. 1991 |
| *WSSV (experimental infection)* | Virus | Corbel et al. 2001 |
| *Aphanomyces astaci* | Fungus | Rahe and Soylu, 1989 |
| *Thelohania contejeani* | Microsporidian | Quilter, 1976 |
| *Psorospermium haeckeli* | Mesomycetozoan | Vranckx and Durliat, 1981 |
| *Listeria monocytogenes* | Bacteria | Khamesipour et al. 2013 |
| *Aeromonas hydrophila (experimental infection)* | Bacteria | SamCookiyaei et al. 2012 |
| *Branchiobdella pentodonta* | Protist | Subchev et al. 2007 |
| *Branchiobdella parasitia* | Protist |
| *Branchiobdella hexodonta* | Protist |
| *Histricosoma chappuisi* | Protist |
| *Tetrahymena pyriformis* | Protist | NekuieFard et al. 2015 |
| *Epistylis chrysemidis* | Protist |
| *Vorticella similis* | Protist |
| *Cothurnia sieboldii* | Protist |
| *Pyxicola annulata* | Protist |
| *Chilodonella spp.* | Protist |
| *Zoothamnium intermedium* | Protist |
| *Opercularia articulate* | Protist |
| *Podophrya fixa* | Protist |
| *Epistylus niagarae* | Protist | Harlioglu, 1999 |
| *Acremonium sp.* | Fungus | Diler and Bolat, 2001 |
| *Astacotrema tuberculatum* | Trematode | Wu, 1938 |
| *Atergatis roseus* | Crab | *None* | - | - |
| *Atyaephyra desmarestii* | Shrimp | *Solenophrya polypoides* | Ciliated protist | Fernandez-Leborans and Tato-Porto, 2000 |
| *Hydrophrya miyashitai* | Ciliated protist |
| *Spelaeophrya lacustris* | Ciliated protist |
| *Spathocyathus caridina* | Ciliated protist |
| *Acineta karamani* | Ciliated protist |
| *Austrominius modestus* | Barnacle | *Echinostephilla patellae* | Trematode | Prinz et al. 2009 |
| *Parorchis acanthus* | Trematode |
| *Renicola roscovita* | Trematode | Goedknegt et al. 2015 |
| *Autonoe spiniventris* | Amphipod | *None* | - | - |
| *Bemlos leptocheirus* | Amphipod | *None* | - | - |
| *Boeckella triarticulata* | Copepod | *Tuzetia boeckella* | Microsporidian | Milner and Meyer, 1982 |
| *Epistylis daphniae* | Epizotic ciliate | Xu and Burns, 1991 |
| *Microcystis aeruginosa* | Algae | Boon et al. 1994 |
| *Bythocaris cosmetops* | Decapod | *None* | - | - |
| *Bythotrephes longimanus* | Water flea | *Undetermined “brood parasite infection”* | Unknown | Kim et al. 2014 |
| *Caecidotea communis* | Isopod | *Fessisentis friedi* | Acanthocephalan | Muzzall, 1978 |
| *Acanthocephalus tahlequahensis* | Acanthocephalan | Hernandez and Sukhdeo, 2008 |
| *Acanthocephalus parksidei* | Acanthocephalan | Amin et al. 1980 |
| *Allocreadium lobatum* | Digenean | Muzzall, 1981 |
| *Calanipeda aquaedulcis* | Copepod | *None* | - | - |
| *Calanopia biloba* | Copepod | *None* | - | - |
| *Calanopia elliptica* | Copepod | *None* | - | - |
| *Calanopia media* | Copepod | *None* | - | - |
| *Calanopia minor* | Copepod | *None* | - | - |
| *Calappa hepatica* | Crab | *Sacculina pilosa* | Barnacle | Chan et al. 2004 |
| *Loxothylacus setaceus* | Barnacle |
| *Calappa pelii* | Crab | *None* | - | - |
| *Caligus fugu* | Copepod | *None* | - | - |
| *Caligus pageti* | Copepod | *None* | - | - |
| *Callinectes danae* | Crab | *Loxothylacus texanus* | Barnacle | Christmas, 1969 |
| *Chelonibia patula* | Barnacle | Negreiros-Fransozo et al. 2015 |
| *Balanus venustus* | Barnacle |
| *Octolasmis lowei* | Barnacle | Mantelatto et al. 2003 |
| *Carcinonemertes carcinophila imminuta* | Nemertean |
| *Myzobdella platensis* | Leech | Zara et al. 2009 |
| *WSSV* | Virus | Costa et al. 2012 |
| *Callinectes exasperatus* | Crab | *None* | - | - |
| *Callinectes sapidus* | Crab | *Hematodinium sp.* | Dinoflagellate | Messick and Shields, 2000 |
| *Baculo-B virus* | Virus | Messick, 1998 |
| *RLV-RhVA* | Virus |
| *RLM* | Virus |
| *Strandlike* | Virus |
| *Microsporidia* | Microsporidian |
| *Mesanophrys chesapeakensis* | Ciliophoran |
| *Lagenophrys callinectes* | Ciliophoran |
| *Epistylis sp.* | Ciliophoran |
| *Unidentified gregarine* | Apicomplexan |
| *Unidentified metacercariae* | Trematode |
| *Urosporidium crescens* | Haplosporidian |
| *Carcinonemertes carcinophila* | Nemertean |
| *WSSV* | Virus | Corbel et al. 2001 |
| *Vibrio spp.* | Bacteria | Yalcinkaya et al. 2003 |
| *Baculo-A* | Virus | Bonami and Zhang, 2011 |
| *RLV* | Virus |
| *Shell disease* | Unknown | Noga et al. 2000 |
| *YHV* | Virus | Ma et al. 2009 |
| *Hematodinium perezi* | Dinoflagellate | Rogers et al. 2015 |
| *Ameson michaelis* | Microsporidian |
| *Paramoeba perniciosa* | Amoeba | Stentiford, 2008 |
| *Cancer irroratus* | Crab | *Gafkya homori* | Bacteria | Cornick and Stewart, 1968a |
| *Vibrio spp.* | Bacteria | Stentiford, 2008 |
| *Chlamydiales spp.* | Bacteria |
| *Paramoeba pernicosa* | Amoeba |
| *Digenea* | Trematodes |
| *Acanthocephalans* | Helminths |
| *Choniosphaera cancrorum* | Copepod |
| *Shell disease* | Unknown | Mancusco, 2014 |
| *Chitinoclastic bacteria* | Bacteria | Wang, 2011 |
| *Hematodinium spp.* | Dinoflagellate | Hoppes, 2011 |
| *Mesanophrys spp.* | Ciliophoran | Morado, 2011 |
| *Caprella mutica* | Shrimp | *None* | - | - |
| *Caprella scaura* | Shrimp | *None* | - | - |
| *Carcinus maenas* | Crab | First Virus? | Virus | Vago, 1966 |
| Undetermined virus of the Y-organ | Virus | Chassard-Bouchard et al. 1976, Bonami 1976 |
| CmBV | Virus | Bonami 1976; Johnson, 1983; Stentiford and Feist, 2005 |
| Haemocytopenic disease (Virus ‘Bang’) | Virus | Johnson, 1983; Bang 1971, Bang 1974, Hoover 1977 (PhD), Hoover and Bang 1976, 1978; Sinderman 1990 |
| B1 Virus | Virus | Bazin et al. 1974;  Bonami, 1976 |
| RV-CM | Virus | Johnson, 1988 |
| Unidentified bacterial infection | Bacteria | Spindler-Barth 1976 |
| Black necrotic disease | Unknown | Perkins, 1967;  Comely & Ansell, 1989 |
| Milky Disease (various bacteria) | Bacterial | Eddy et al. 2007 |
| *Arudinula* sp. | Unknown | Léger & Duboscq, 1905 |
| *Abelspora portucalensis* | Microsporidian | Azevedo, 1987 |
| *Ameson pulvis (=Nosema pulvis)* | Microsporidian | Sprague & Couch, 1971 |
| *Thelohania maenadis* | Microsporidian | Sprague & Couch, 1971 |
| *Nematopsis portunidarum* | Apicomplexan | Sprague & Couch, 1971 |
| *‘Myxosporidia sp.’* | Myxosporan | Cuénot, 1895 |
| *Nosema spelotremae (in Microphallus similis)* | Hyperparasite | Sprague & Couch, 1971 |
| *Nadelspora carcini* | Microsporidian | Stentiford et al. 2013 |
| *Parahepatospora canadia* | Microsporidian | Bojko et al. In Press |
| *Hematodinium perezi* | Dinoflagellate | Hamilton et al., 2007, 2009, 2010; Stentiford & Feist, 2005 |
| *Haplosporidium littoralis* | Haplosporidian | Stentiford et al. 2004; Stentiford et al. 2013 |
| *Anophrys maggii* | Ciliate | Couch, 1983 |
| *Foettingeria* sp. | Ciliate | Chatton & Lwoff, 1935 |
| *Folliculina viridis* | Ciliate | Sprague & Couch, 1971 |
| *Gymnodinioides inkystans* | Ciliate | Sprague & Couch, 1971 |
| *Phtorophrya insidiosa* | Ciliate | Sprague & Couch, 1971 |
| *Synophrya hypertrophica* | Ciliate | Sprague & Couch, 1971 |
| *Zoothamnium hydrobiae* | Ciliate | Crothers, 1968 |
| *Aggregata eberthi* | Apicomplexan | Vivier et al. 1970 |
| *Fecampia erythrocephala* | Helminth | Bourdon, 1965; Kuris et al., 2002 |
| *Cercaria emasculans* | Trematode | James, 1969 |
| *Distomum sp.* | Digenean | von Linstow, 1878 |
| *Maritrema subdolum* | Parasitic fluke | Deblock et al. 1961 |
| *Levinseniella carcinidis* | Trematode | Rankin, 1939 |
| *Megalophallus carcini* | Trematode | Prévot & Deblock, 1970 |
| *Maritrema portucalensis* | Parasitic fluke | Pina et al. 2011 |
| *Microphallus bittii* | Trematode | Prévot, 1973 |
| *Microphallus primas* | Trematode | Deblock & Tran Van Ky, 1966 |
| *Microphallus similis* | Trematode | Stunkard, 1956;  Deblock & Tran Van Ky, 1966 |
| *Renicola (=Cercaria) roscovita* | Trematode | James, 1969 |
| *Calliobothrium ventricillatum* | Cestode | Monticelli, 1890 |
| *Eutetrarhynchus ruficollis* | Cestode | Vivares, 1971 |
| Tetraphyllidean larvae | Cestode | Vivares, 1971 |
| *Ascarophis morrhuae* | Nematode | Sudhaus, 1974 |
| *Enoplus communis* | Nematode | Sudhaus, 1974 |
| *Filaria sp.* | Nematode | von Linstow, 1878 |
| *Monhystera disjuncta* | Nematode | Sudhaus, 1974 |
| *Proleptus robustus* | Nematode | Vaullegeard, 1896 |
| *Proleptus obtusus* | Nematode | Hall, 1929 |
| *Viscosia glabra* | Nematode | Sudhaus, 1974 |
| *Carcinonemertes carcinophila* | Nemertean | Vivares 1971, MBA, 1957 |
| *Profilcollis (=Polymorphus) botulus* | Acanthocephalan | Liat & Pike, 1980 |
| *Janua pagenstecheri* | Polychaete worm | Crothers, 1966 |
| *Pomatoceros triqueter* | Polychaete worm | Crothers, 1968 |
| *Spirorbis tridentatus* | Polychaete worm | Crothers, 1966 |
| *Alcyonidium* sp. | Bryozoan | Richard, 1899 |
| *Electra pilosa* | Bryozoan | Macintosh, 1865 |
| *Triticella korenii* | Bryozoan | Duerden, 1893 |
| *Balanus balanus* | Barnacle | Hartnoll, 1963a |
| *Balanus crenatus* | Barnacle | Richard 1899; Heath, 1976 |
| *Chelonibia patula* | Barnacle | Richard, 1899 |
| *Chirona hameri* | Barnacle | Richard, 1899 |
| *Elminius modestus* | Barnacle | Crothers, 1966 |
| *Sacculina carcini* | Barnacle | Boschma 1955 |
| *Veruca stroemia* | Barnacle | Richard, 1899 |
| *Heterolaophonte stromi* | Crustacean | Scott, 1902 |
| *Portunion maenadis* | Crustacean | Bourdon, 1963 |
| *Priapion fraissei* | Crustacean | Goudswaard, 1985; Choy, 1987 |
| *Mytilus edulis* | Mussel | Giard & Bonnier, 1887 |
| *Ascidiella scabra* | Tunicate | Crothers, 1966 |
| *Botrylloides leachi* | Tunicate | Crothers, 1966 |
| *Botryllus schlosseri* | Tunicate | Crothers, 1966 |
| *Molgula manhattensis* | Tunicate | Crothers, 1966 |
| *Carupa tenuipes* | Crab | *None* | - | - |
| *Centropages furcatus* | Copepod | *Vibrio cholerae* | Bacteria | Rawlings, 2005 |
| *Cercopagis pengoi* | Water flea | *None* | - | - |
| *Chaetogammarus warpachowskyi* | Amphipod | *None* | - | - |
| *Charybdis feriata* | Crab | *WSSV* | Virus | Flegel, 1997 |
| *Benedenia spp.* | Metazoan | Parado-Estepa et al. 2002 |
| *Ectoparasites (Various)* | Various |
| *16 species of Fungi (unspecified)* | Fungi | Ghaware and Jadhao, 2015 |
| *5 species of bacteria (unspecified)* | Bacteria |
| *Sacculina serenei* | Barnacle | Boschma, 1954 |
| *Charybdis hellerii* | Crab | *Sacculina spp.* | Barnacle | Elumalai et al. 2014 |
| *Charybdis japonica* | Crab | Serpulid polychaete worms | Polychaete | Miller et al. 2006 |
| Ascaridoid nematode | nematode |
| Trematode metacercaria | trematode |
| Balanomorph barnacles | Crustacea |
| *Vibrio alginolyticus* | Bacteria | Xu et al. 2013 |
| *Sacculina lata* | Rhizocephalan | Chan, 2004 |
| *Halocrusticida okinawaensis* | fungi | Yasunobu, 2001 |
| *Vibrio paraheamolyticus* | Bacteria | Wang et al. 2010 |
| *Charybdis (Goniohellenus) longicollis* | Crab | *Heterosaccus dollfusi* | Rhizocephalan | Innocenti and Galil, 2011 |
| *Charybdis lucifera* | Crab | *WSSV* | Virus | Otta et al. 1999 |
| *Sacculina spp.* | Rhizocephala | Elumalai et al. 2014 |
| *Chelicorophium curvispinum* | Amphipod | *Pomphorhynchus sp.* | Acanthocephala | Van Riel et al. 2003 |
| *Chelicorophium robustum* | Amphipod | *None* | - | - |
| *Cherax destructor* | Crayfish | *WSSV* | Virus | Edgerton, 2004 |
| *Parvo-like Virus* | Virus | Edgerton and Webb, 1997 |
| *Thelohania montirivulorum* | Microsporidian | Moodie et al. 2003a |
| *Thelohania parastaci* | Microsporidian | Moodie et al. 2003b |
| *Vairimorpha cheracis* | Microsporidian | Moodie et al. 2003c |
| Parasitic nematodes | Nemtaode | Herbert, 1987 |
| *C. destructor Bacilliform Virus* | Virus | Edgerton, 1996 |
| *Austramphilina elongata* | Platyhelminth | Rohde and Watson, 1989 |
| *Chionoecetes opilio* | Crab | *Hematodinium sp.* | Dinoflagellate | Taylor and Kahn, 1995 |
| *Aerococcus viridans* | Bacteria | Cornick and Stewart, 1975 |
| *Trichomaris invadans* | Ascomycete | Hibbits et al. 1981 |
| *Heamocytic Bacilliform Virus* | Virus | Kon et al. 2011 |
| Milky Disease | Bacteria |
| Fungal encrusting | Fungi | Hyning and Scarborough, 1973 |
| *Vasichona opiliophila* | Ciliate | Taylor et al. 1995 |
| Marine leeches | Leech | Meyer and Kahn, 1979 |
| *Halocrusticida okinwaensis* | Fungi | Yasunobu, 2001 |
| *Chlamydotheca incisa* | Shrimp | *None* | - | - |
| *Chthamalus proteus* | Barnacle | *None* | - | - |
| *Clavellisa ilishae* | Copepod | *None* | - | - |
| *Clorida albolitura* | Shrimp | *None* | - | - |
| *Coleusia signata* | Crab | *None* | - | - |
| *Conchoderma auritum* | Barnacle (whale ectoparasite) | *None* | - | - |
| *Cornigerius maeoticus* | Branchiopod | *None* | - | - |
| *Crangonyx pseudogracilis* | Amphipod | *Fibrillanosema crangonycis* | Microsporidian | Johanna et al. 2004 |
| *4 x Microsporidium sp.* | Microsporidian | Galbreath et al. 2010 |
| *Cristapseudes omercooperi* | Kalliapseudid | *None* | - | - |
| *Critomolgus actiniae* | Copepod | *None* | - | - |
| *Cryptorchestia cavimana* | Amphipod | *None* | - | - |
| *Cryptosoma cristatum* | Crab | *None* | - | - |
| *Cuapetes calmani* | Shrimp | *None* | - | - |
| *Cyclops kolensis* | Copepod | *Schistocephalus solidus* | Tapeworm | Franz and Kurtz, 2002 |
| *Proteocephalus longicollis* | Cestode | Scholz, 1999 |
| *Proteocephalus percae* |
| *Proteocephalus thymalli* |
| *Cyclops vicinus* | Copepod | *Bothriocephalus claviceps* | Helminth | Nie and Kennedy, 1993 |
| *Anguillicola crassus* | Nematode | Kennedy and Fitch, 1990 |
| *Ligula intestinalis* | Cestode | Loot et al. 2006 |
| *Cymothoa indica* | Isopod | *None* | - | - |
| *Cypretta turgida* | Ostracod | *None* | - | - |
| *Daira perlata* | Crab | *None* | - | - |
| *Daphnia ambigua* | Water flea | *None* | - | - |
| *Daphnia cristata* | Water flea | *None* | - | - |
| *Daphnia longiremis* | Water flea | *None* | - | - |
| *Daphnia lumholtzi* | Water flea | *None* | - | - |
| *Daphnia parvula* | Water flea | *Tanaorhamphus longirostris* | Acanthocephalan | Hubschman, 1983 |
| *Delavalia inopinata* | Copepod | *None* | - | - |
| *Delavalia minuta* | Copepod | *None* | - | - |
| *Diamysis bahirensis* | Shrimp | *None* | - | - |
| *Diaphanosoma chankensis* | Brachiopod | *None* | - | - |
| *Dikerogammarus bispinosus* | Amphipod | *None* | - | - |
| *Dikerogammarus haemobaphes* | Amphipod | *Nicolla skrjabini* | Trematode | Kirin et al. 2013 |
| *Cystoopsis acipenseris* | Nematode | Bauer et al. 2002 |
| *Bothriomonas fallax* | Cestode |
| *Amphilina foliacea* | Cestode |
| *Pomphorhynchus laevis* | Acanthocephalan | Ðikanovic et al. 2010 |
| *Acanthocephalus (=Pseudoechinirhynchus) clavula* | Acanthocephalan | Komarova et al. 1969 |
| *Cucumispora ornata* | Microsporidian | Bojko et al. 2015 |
| *Cucumispora (=Nosema) dikerogammari* | Microsporidia | Ovcharenko et al. 2010 |
| *Thelohania brevilovum* |
| *Dictyocoela mulleri* |
| *Dictyocoela spp. (‘Haplotype: 30-33’)* | Microsporidia | Wilkinson et al. 2011 |
| *Dictyocoela berillonum* | Microsporidian | Green-Etxabe et al. 2014 |
| *Cephaloidophora similis* | Gregarine | Codreanu-Balcescu, 1995 |
| *Cephaloidophora mucronata* |
| *Dikerogammarus villosus* | Amphipod | *Plagioporus skrjabini* | Trematodes | Review by: Rewicz et al. 2014 |
| *Unidentified trematode* |
| *Pomphorhynchus tereticollis* | Acanthocephalan |
| *Cephaloidophora spp.* | Gregarines |
| *Uradiophora spp.* |
| *Cucumispora dikerogammari* | Microsporidia |
| *Nosema granulosis* |
| *Dictyocoela muelleri* |
| *Dictyocoela berillonum* |
| *Dictyocoela roeselum* |
| *Unidentified bacteria* | Bacteria |
| *Dikerogammarus villosus Bacilliform Virus* | Virus |
| *Unidentified nematode* | Nematode | Bojko et al. 2013 |
| *Unidentified ciliated protists* | Protist |
| *Unidentified isopod* | Crustacean |
| *Unidentified commensal worms* | Helminth |
| *Disparalona hamata* | Anomopodan | *None* | - | - |
| *Dolerocypris sinensis* | Ostracod | *None* | - | - |
| *Dorippe quadridens* | Crab | *None* | - | - |
| *Dyspanopeus sayi* | Crab | *Loxothylacus panopei* | Rhizocephalan | Hines et al. 1997 |
| *Nematopsis legeri* | Gregarine | Lindsey et al. 2006 |
| *Cancricepon choprae* | Isopod | Boyko and Williams, 2004 |
| *Hematodinium-like* | Fungi | Small, 2012 |
| *Echinogammarus berilloni* | Amphipod | *Dictyocoela spp.* | Microsporidia | Wilkinson et al. 2011 |
| *Polymorphus minutus* | Acanthocephalan | Jacquin et al. 2014 |
| *Cephaloidophora echinogammari* | Gregarine | Goodrich, 1949 |
| *Coitocaecum angusticolle* | Digenea | Lefebvre and Poulin, 2005 |
| *Nicolla gallica* |
| *Pleurogenoides medians* |
| *Theodoxia fluviatilis* | Digenea | Fischthal and Kuntz, 1963 |
| *Echinogammarus (Chaetogammarus) ischnus* | Amphipod | Oomycete | Oomycete | Van Rensburg, 2010 |
| *Echinogammarus trichiatus* | Amphipod | *Dictyocoela berillonum* | Microsporidian | Garbner et al. 2015 |
| *Elamena mathoei* | Crab | *None* | - | - |
| *Elasmopus pectenicrus* | Amphipod | *None* | - | - |
| *Elminius modestus* | Barnacle | *Hemioniscus balani* | Isopod | Crisp and Davies, 1955 |
| *Enhydrosoma vicinum* | Copepod | *None* | - | - |
| *Eocuma dimorphum* | Cumacea | *None* | - | - |
| *Eocuma rosae* | Cumacea | *None* | - | - |
| *Eocuma sarsii* | Cumacea | *None* | - | - |
| *Ergasilus briani* | Parasitic Copepod | *None* | - | - |
| *Ergasilus gibbus* | Parasitic Copepod | *None* | - | - |
| *Ergasilus sieboldi* | Copepod | *None* | - | - |
| *Eriocheir sinensis* | Crab | Rickettsia-like organism | Bacteria | Wang and Gu, 2002 |
| Virus-like particles | Virus |
| Microsporidian-like protozoan | Microsporidia |
| *Paragonimus westemanii* | Lung fluke | Cohen and Carlton, 1997 |
| *Reovirus* | Virus | Zhang et al. 2004 |
| *Hepatospora (= Endoreticulatus) eriocheir* | Microsporidian | Stentiford et al. 2011 |
| *Spiroplasma eriocheiris* | Bacteria | Wang et al. 2004 |
| *Roni-like virus* | Virus | Zhang and Bonami, 2007 |
| *Aphanomyces astaci* | Fungi | Schrimpf et al. 2014 |
| *Aeromonas hydrophila* | Bacteria | Guo et al. 2011 |
| *Listonella anguillarum* | Bacteria | Zhang et al. 2010 |
| *Micrococcus luteus* | Bacteria |
| Intestinal bacteria | Bacteria | Li et al. 2007 |
| *Citrobacter freundii* | Bacteria | Chen et al. 2006 |
| Picornavirus | Virus | Lu et al. 1999 |
| *Vibrio anguillarum* | Bacteria | Sui et al. 2012 |
| *Polyascus gregarius* | Rhizocephalan | Li et al. 2011 |
| Herpes-like virus | Virus | Shengli et al. 1995 |
| *WSSV* | Virus | Ding et al. 2015 |
| *Erugosquilla massavensis* | Shrimp | *None* | - | - |
| *Euchaeta concinna* | Copepod | *None* | - | - |
| *Eucrate crenata* | Crab | *None* | - | - |
| *Eudiaptomus gracilis* | Copepod | *Diphyllobothrium latum* | Cestode | Klekowski and Guttowa, 1968 |
| *Diphyllobothrium norvegicum* | Cestode | Halvorsen, 1966 |
| *Aphanomyces sp.* | Fungi | Miao and Nauwerck, 1999 |
| Chytrids | Fungi | Kagami et al. 2011 |
| *Triaenophorus nodulosus* | Cestode | Guttowa, 1968 |
| *Proteocephalus torulosus* | Cestode | Scholz, 1993 |
| *Ligula intestinalis* | Cestode | Glazunova and Polunina, 2009 |
| *Diphyllobothrium dendriticum* | Cestode | Wicht et al. 2008 |
| *Triaenophorus crassus* | Cestode | Pulkkinen et al. 1999 |
| *Eurycarcinus integrifrons* | Crab | *None* | - | - |
| *Eurytemora americana* | Copepod | *None* | - | - |
| *Eurytemora pacifica* | Copepod | *None* | - | - |
| *Eurytemora velox* | Copepod | *None* | - | - |
| *Eusarsiella zostericola* | Ostrocod | *None* | - | - |
| *Evadne anonyx* | Cladoceran | *None* | - | - |
| *Fistulobalanus albicostatus* | Barnacle | *None* | - | - |
| *Fistulobalanus pallidus* | Barnacle | *None* | - | - |
| *Gammaropsis togoensis* | Amphipod | *Anilorca pilchardi* | Isopod | Souissi et al. 2010 |
| *Gammarus pulex* | Amphipod | *Pomphorhynchus laevis* | Acanthocephalan | Bakker et al. 1997 |
| *Polymorphus minutus* | Acanthocephalan | Bauer et al. 2005 |
| *Echinorhynchus truttae* | Acanthocephalan | Fielding et al. 2003 |
| *Cyathocephalus truncatus* | Cestode | Franceschi et al. 2007 |
| *Dictyocoela duebenum* | Microsporidia | Garbner et al. 2015 |
| *Dictyocoela mulleri* |
| *Microsporidium sp. G* |
| *Microsporidium sp. I* |
| *Microsporidium sp. RR2* |
| *Microsporidium sp. 515* |
| *Microsporidium sp. 505* |
| *Microsporidium sp. BPAR3* |
| *Microsporidium sp. RR1* |
| *Gammarus roeselii* | Amphipod | *Polymorphus minutus* | Acanthocephalan | Médoc et al. 2006 |
| *Pomphorhynchus tereticollis* | Acanthocephalan | Špakulová, et al. 2011 |
| *Pomphorhynchus laevis* | Acanthocephalan | Bauer et al. 2000 |
| *Dictyocoela muelleri* | Microsporidian | Haine et al. 2004 |
| *Dictyocoela roeseleum* | Microsporidian |
| *Nosema granulosis* | Microsporidian |
| *Microsporidium sp. G* | Microsporidian | Garbner et al. 2015 |
| *Microsporidium sp. 505* | Microsporidian |
| *Microsporidium sp. nov. RR2* | Microsporidian |
| *Microsporidium sp. nov. RR1* | Microsporidian |
| *Gammarus tigrinus* | Amphipod | *Paratenuisentis ambiguus* | Acanthocephalan | Gollash and Zander, 1995 |
| *Maritrema subdolum* | Trematode | Rolbiecki and Normant, 2005 |
| *Dictyocoela duebenum* | Microsporidia | Terry et al. 2004 |
| *Dictyocoela berillonum* |
| *Gammarus varsoviensis* | Amphipod | *None* | - | - |
| *Glabropilumnus laevis* | Crab | *None* | - | - |
| *Gmelinoides fasciatus* | Amphipod | *Dictyocoela sp.* | Microsporidia | Wilkinson et al. 2011 |
| *6 unspecificied microsporidian SSU sequences* | Kumenkova et al. 2008 |
| *Dictyocoela duebenum* |
| *Nicolla skrjabini* | Trematode | Tyutin et al. 2013 |
| *Goneplax rhomboides* | Crab | *Triticella flava* | Bryozoan | Fernandez-Leborans, 2003 |
| *Zoothamnium sp. (hyperepibiont)* | Protist |
| *Cothurnia sp. (hyperepibiont)* |
| *Corynophrya sp. (hyperepibiont)* |
| *Grandidierella japonica* | Amphipod | *None* | - | - |
| *Grapsus granulosus* | Crab | *None* | - | - |
| *Halectinosoma abrau* | Copepod | *None* | - | - |
| *Halimede tyche* | Crab | *None* | - | - |
| *Hamimaera hamigera* | Amphipod | *None* | - | - |
| *Hemicypris dentatomarginata* | Ostracod | *None* | - | - |
| *Hemigrapsus penicillatus* | Crab | *Enteromyces callianassae* | Eccrinales | McDermott, 2011 |
| *Levinseniella conicostoma* | Trematode |
| *Maritrema longiforme* |
| *Maritrema setoenensis* |
| *Microphalloides japonicus* |
| *Probolocoryphe asadai* |
| *Spelotrema macrorchis* |
| *Sacculina sp.* | Rhizocephalan |
| *Hemigrapsus sanguineus* | Crab | *Unidentified microsporidian parasite* | Microsporidia | McDermott, 2011 |
| *Maritrema jebuensis* | Trematode |
| *Maritrema setoenensis* |
| *Microphalloides japonicus* |
| *Probolocoryphe asadai* |
| *Spelotrema capellae* |
| *Unidentified larval nematode* | Nematode |
| *Polyascus polygenea* | Rhizocephala |
| *Sacculina nigra* |
| *Sacculina senta* |
| *Hemigrapsus takanoi* | Crab | *Himasthla elongata* | Trematode | Welsh et al. 2014 |
| *Renicola roscovita* | Goedknegt et al. 2015 |
| *Hemimysis anomala* | Shrimp | *None* | - | - |
| *Herbstia nitida* | Crab | *None* | - | - |
| *Herrmannella duggani* | Copepod | *None* | - | - |
| *Heterocope appendiculata* | Copepod | *Acineta euhaetae* | Suctorian | Samchyshyna, 2008 |
| *Diphyllobothrium norvegicum* | Cestode | Halvorsen, 1966 |
| *Proteocephalus torulosus* | Sysoev et al. 1994 |
| *Heterolaophonte hamondi* | Copepod | *None* | - | - |
| *Heterosaccus dollfusi* | Rhizocephalan | *None* | - | - |
| *Hexapleomera robusta* | Tanaidacean | *None* | - | - |
| *Homarus americanus* | Lobster | *Gaffkya homari* | Bacteria | Cornick and Stewart, 1968b |
| *Anophryoides haemophila* | Ciliated protist | Cawthorn et al. 1996 |
| *Lagenidium callinectes* | Fungi | Gill-Turnes and Fenical, 1992 |
| *Various epibiotic bacteria* | Bacteria |
| *Fusarium sp.* | Fungi | Lightner and Fontaine, 1975 |
| *Vibrio sp. BML 79-078* | Bacteria | Bowser et al. 1981 |
| *Vibrio anguillarum* |
| *Protozoan parasite* | Protist | Russell et al. 2000 |
| *Aerococcus viridans* | Bacteria | Johnson et al. 1981 |
| *Vibrio fluvialis* | Bacteria | Beale et al. 2008 |
| *Ascarophis sp.* | Nematode | Boghen, 1978 |
| *Flagellate* | Protist |
| *Histriobdella homari* | Annelid |
| *Porospora gigantea* | Gregarine |
| *Paramoeba sp.* | Amoeba | Mullen et al. 2004 |
| *Polymorphus botulus* | Acanthocephalan | Brattey and Campbell, 1986 |
| *Hysterothylacium sp.* | Nematode |
| *Stichocotyle nephropsis* | Trematode |
| *Hyphomicrobiumindicum indicum* | Bacteria | Cawthorn, 2011 |
| *Leucothrix mucor* |
| *Haliphthoros mildfordensis* | Oomycete |
| *Neoparamoeba pemaquidensis* | Amoeba |
| *WSSV* | Virus | Clark et al. 2013 |
| *170 bacterial taxa via pyrosequencing* | Bacteria | Meres et al. 2012 |
| *Necrotizing hepatopancreatitis* | Bacteria | Shield et al. 2012 |
| *Idiopathic blindness* |  |
| *Nicothoe astaci* | Copepod | Davies et al. 2015 |
| *Arcobacter sp.* | Bacteria | Welsh et al. 2011 |
| *Aspergillus awamori* | Fungi | Karthikeyan et al. 2015 |
| *Nectonema agile* | Helminth | Schmidt-Rhaesa et al. 2013 |
| *Hyastenus hilgendorfi* | Crab | *None* | - | - |
| *Ianiropsis tridens* | Isopod | *None* | - | - |
| *Idotea metallica* | Isopod | *None* | - | - |
| *Idyella pallidula* | Copepod | *None* | - | - |
| *Incisocalliope aestuarius* | Amphipod | *None* | - | - |
| *Iphigenella shablensis* | Amphipod | *None* | - | - |
| *Ischyrocerus commensalis* | Amphipod | *None* | - | - |
| *Isocypris beauchampi cicatricosa* | Ostracod | *None* | - | - |
| *Ixa monodi* | Crab | *None* | - | - |
| *Jaera istri* | Isopod | *None* | - | - |
| *Jaera sarsi* | Isopod | *None* | - | - |
| *Jassa marmorata* | Amphipod | *None* | - | - |
| *Jasus lalandii* | Lobster | *None* | - | - |
| *Katamysis warpachowskyi* | Shrimp | *None* | - | - |
| *Labidocera detruncata* | Copepod | *None* | - | - |
| *Labidocera madurae* | Copepod | *None* | - | - |
| *Labidocera orsinii* | Copepod | *None* | - | - |
| *Labidocera pavo* | Copepod | *None* | - | - |
| *Latopilumnus malardi* | Crab | *None* | - | - |
| *Leptochela aculeocaudata* | Shrimp | *Echinobothrium reesae* | Cestode | Ramadevi and Rao, 1974 |
| *Leptochela pugnax* | Shrimp | *None* | - | - |
| *Lernanthropus callionymicola* | Copepod | *Obruspora papernae* | Microsporidian | Diamant et al. 2014 |
| *Libinia dubia* | Crab | *Nosema sp.* | Microsporidian | Walker and Hinsch, 1972 |
| *Lagenidium callinectes* | Fungus | Bland and Amerson, 1974 |
| *Hematodinium sp.* | Dinoflagellate | Sheppard et al. 2003 |
| *Frenzlina olivia* | Gregarine | Watson, 1916 |
| *Ligia italica* | Isopod | *Asellaria ligiae* | Fungus | Valle, 2006 |
| *Ligia oceanica* | Isopod | *Maritrema linguilla* | Digenea | Benjamin and James, 1987 |
| *Wolbachia sp.* | Bacterial | Cordaux et al. 2001 |
| *Limnomysis benedeni* | Shrimp | *None* | - | - |
| *Limnoria quadripunctata* | Isopod | *Mirofolliculina limnoriae* | Protist | Fernandez-Leborans, 2009 |
| *Limnoria tripunctata* | Isopod | *Mirofolliculina limnoriae* | Protist | Fernandez-Leborans, 2009 |
| *Alacrinella limnoriae* | Fungus | Manier, 1961 |
| *Gut Bacteria* | Bacteria | Harris, 1993 |
| *Vibrio proteolyticus* | Bacteria | Gonzales et a. 2003 |
| *Lobochona prorates* | Protist | Mohr et al. 1963 |
| *Limulus polyphemus* | Horseshoe crab | *“Bacterial disease”* | Bacterial | Bang, 1956 |
| *Lucifer hanseni* | Shrimp | *None* | - | - |
| *Lysmata kempi* | Shrimp | *None* | - | - |
| *Macromedaeus voeltzkowi* | Crab | *None* | - | - |
| *Macrophthalmus indicus* | Decapod | *None* | - | - |
| *Marsupenaeus japonicas* (AKA *Penaeus japonicus*) | Shrimp | *WSSV* | Virus | Inouye et al. 1994 |
| *Vibrio parahemolyticus* | Bacteria | Zong et al. 2008 |
| *Vibrio nigripulchritudo* | Bacteria | Tahara et al. 2005 |
| *Mourilyan virus* | Virus | Sellars et al. 2005 |
| *Vibrio zhuhaiensis* | Bacteria | Jin et al. 2013 |
| *Baculoviral mid-gut gland necrosis virus (BMNV)* | Virus | Takahashi et al. 1996 |
| *Vibrio penaeicida* | Bacteria | Ishimaru et al. 1995 |
| *Hepatopancreatic parvo-like virus (HPV)* | Virus | Spann et al. 1997 |
| *IPN-like virus* | Virus | Bovo et al. 1984 |
| *Infectious hypodermal and hematopoietic necrosis virus (IHHN)* | Virus | Lightner et al. 1983 |
| *Aeromonas spp.* | Bacteria | Yasuda and Kitao, 1980 |
| *Vibrio spp.* |
| *Pseudomonas spp.* |
| *Flavobacterium spp.* |
| *Staphylococcus spp.* |
| *Unknown bacterial species* |
| *Vibrio alginolyticus* | Bacteria | Lee et al. 1996 |
| *Fusarium solani* | Fungus | Bian and Egusa, 1981 |
| *Fusarium moniliforme* | Fungus | Rhoobunjongde et al. 1991 |
| *Unknown microsporidian* | Microsporidian | Hudson et al. 2001 |
| *Fusarium oxysporum* | Fungus | Souheil et al. 1999 |
| *Mollicute-like organism* | Bacterial | Choi et al. 1996 |
| *Matuta victor* | Crab | *None* | - | - |
| *Megabalanus coccopoma* | Barnacle | *None* | - | - |
| *Megabalanus tintinnabulum* | Barnacle | *Cephaloidophora communis* | Gregarine | Lacombe et al. 2002 |
| *Melita nitida* | Amphipod | *None* | - | - |
| *Menaethius monoceros* | Crab | *Tylokepon biturus* | Isopod | An, 2009 |
| *Sacculina calva* | Sacculinid | Boschma, 1950 |
| *Metacalanus acutioperculum* | Copepod | *None* | - | - |
| *Metapenaeopsis aegyptia* | Shrimp | *None* | - | - |
| *Metapenaeopsis mogiensis consobrina* | Shrimp | *None* | - | - |
| *Metapenaeus affinis* | Shrimp | Yellow Head Virus | Virus | Longyant et al. 2006 |
| *Hepatopancreatic parvovirus* | Virus | Manjanaik et al. 2005 |
| *WSSV* | Virus | Joseph et al. 2015 |
| *Cotton shrimp disease* | Microsporidia | Jose, 2000 |
| *Bacterial disease* | Bacteria | Rao and Soni, 1988 |
| *Ciliated protists* | Protoza |
| *Perezia affinis* | Microsporidia |
| *Vibrio paraheamolyticus* | Bacteria | Chakraborty et al. 2008 |
| *Metapenaeus monoceros* | Shrimp | *WSSV* | Virus | Hossain et al. 2001 |
| *Monodon baculovirus* | Virus | Manivannan et al. 2004 |
| *Orbione sp.* | Isopod | An et al. 2013 |
| Printrakoonand Purivirojkul, 2012 |
| *Protozoa* | Protozoa | Deepa, 1997 |
| *Perezia nelsoni* | Microsporidia | Boyko, 2012 |
| *Metapenaeus stebbingi* | Shrimp | *None* | - | - |
| *Micippa thalia* | Decapod | *None* | - | - |
| *Micruropus possolskii* | Amphipod | *None* | - | - |
| *Mitrapus oblongus* | Copepod | *None* | - | - |
| *Moina affinis* | Waterflea | *Bunodera spp.* | Trematode | Cannon, 1971 |
| *Moina weismanni* | Waterflea | *None* | - | - |
| *Monocorophium acherusicum* | Amphipod | *None* | - | - |
| *Monocorophium insidiosum* | Amphipod | *None* | - | - |
| *Monocorophium sextonae* | Amphipod | *None* | - | - |
| *Monocorophium uenoi* | Amphipod | *None* | - | - |
| *Muceddina multispinosa* | Copepod | *None* | - | - |
| *Myra subgranulata* | Crab | *None* | - | - |
| *Mysis relicta* | Shrimp | *Cyanthocephalus truncatus* | trematode | Amin, 1978 |
| *Acanthocephalan species* | Acanthocephala | Wolff, 1984 |
| *Echinorhynchus leidyi* | Acanthocephala | Prychitko and Nero, 1983 |
| *Various protozoan epibionts* | Protozoa | Fernandez-Leborans, 2004 |
| *Cystidicola cristivomeri* | Nematode | Black and Lankester, 1980 |
| *Necora puber* | Crab | *Hematodinium sp.* | Dinoflagellate | Stentiford et al. 2003 |
| *Yeast-like organism* | Yeast |
| *Polymorphus botulus* | Acanthocephalan | Nickol et al. 1999 |
| *Protozoan epibionts* | Protozoa | Fernandez-Leborans and Gabilondo, 2008 |
| *Neoergasilus japonicus* | Copepod | *None* | - | - |
| *Neomysis integer* | Shrimp | *None* | - | - |
| *Nikoides sibogae* | Shrimp | *None* | - | - |
| *Nothobomolochus fradei* | Copepod | *None* | - | - |
| *Notopus dorsipes* | crab | *None* | - | - |
| *Obesogammarus crassus* | Amphipod | *Pleistophora muelleri* | Microsporidia | Ovcharenko and Yemeliyanova, 2009 |
| *Nosema pontogammari* |
| *Cephaloidophora sp.* | Gregarine |
| *Uradiophora ramosa* |
| *Obesogammarus obesus* | Amphipod | *None* | - | - |
| *Odontodactylus scyllarus* | Shrimp | *None* | - | - |
| *Ogyrides mjoebergi* | Shrimp | *None* | - | - |
| *Oithona davisae* | Copepod | *None* | - | - |
| *Oithona plumifera* | Copepod | *Blastodinium oviforme* | Protozoa | Skovgaard and Saiz, 2006 |
| *Paradinium spp.* | Protozoa | Skovgaard and Daugbjerg, 2008 |
| *Vibrio cholarae* | Bacteria | Lizárraga‐Partida et al. 2009 |
| *Blastodinium oviforme* | Dinoflagellate | Skovgaard and Salomonsen, 2009 |
| *Oithona setigera* | Copepod | *None* | - | - |
| *Onisimus sextoni* | Amphipod | *None* | - | - |
| *Orchestia cavimana* | Amphipod | *Dictyocoela cavimanum* | Microsporidia | Terry et al. 2004 |
| *Orconectes immunis* | Crayfish | *Aphanomyces astaci* | Oomycete | Schrimpf et al. 2013 |
| *Psorospermium sp.* | Mesomycetozoan | Hentonen et al. 1994 |
| *Orconectes limosus* | Crayfish | *Aphanomyces astaci* | Oomycete | Kozubíková et al. 2011 |
| *WSSV* | Virus | Corbel et al. 2001 |
| *Psorospermium orconectis* | Mesomycetozoan | Hentonen et al. 1994 |
| *Psorospermium haeckeli* | Vogt and Rug, 1995 |
| *Epistylis niagarae* | Ciliated protozoa | Fernandez-Leborans and Tato-Porto, 2000 |
| *Cothurnia curva* |
| *Cothurnia variabilis* |
| *Cyclodonta staphylinus* |
| *Branchiobdella hexodonta* | Annelid | Ďuris et al. 2006 |
| *Orconectes rusticus* | Crayfish | *Microphallus sp.* | Trematode | Sargent et al. 2014 |
| *Psorospermium sp.* | Mesomycetozoan | Henttonen et al. 1994 |
| *Crepidostomum cornutum* | Trematode | Corey, 1988 |
| 4 Branchiobdellidan worms | Annelida | Duris et al. 2006 |
| *Dreissena polymorpha* | Mussel |
| *Argulus cf. foliaceus* | Crustacean |
| *Plumatella repens* | Bryozoan |
| *Aphanomyces astaci* | Oomycete | Svoboda et al. 2017 |
| *Orconectes virilis* | Crayfish | *Batrachochytrium dendrobatidis* | Fungus | McMahon et al. 2013 |
| *Thelohania contejeani* | Microsporidian | Graham and France, 1986 |
| *WSSV* | Virus | Davidson et al. 2010 |
| *Spiroplama penaei* | Bacteria |
| *H. bacteriophora* | Nematode |
| *H. marelatus* | Nematode |
| *Microphallus sp.* | Trematode | Sargent et al. 2014 |
| *Psorospermium sp.* | Mesomycetozoan | Henttonen et al. 1994 |
| *Aphanomyces astaci* | Oomycete | Svoboda et al. 2017 |
| *Pacifastacus leniusculus* | Crayfish | *WSSV* | Virus | Liu et al. 2006 |
| *Aeromonas hydrophila* | Bacteria | Jiravanichpaisal et al. 2009 |
| *Aphanomyces astaci* | Oomycete | Persson et al. 1987 |
| *Thelohania contejeani* | Microsporidian | Dunn et al. 2009 |
| *Fusarium solani* | Fungus | Chinain and Vey, 1988 |
| *Pacifastacus leniusculus bacilliform virus* | Virus | Longshaw et al. 2011 |
| *Psorospermium sp.* | Mesomycetozoan |
| *Palaemon elegans* | Shrimp | Infectious Pancreatic Necrosis Virus (IPNV) | Virus | Mortensen, 1993 |
| Bay of Piran shrimp virus (BPSV) | Virus | Vogt, 1996 |
| Hepatopancreatic brush border lysis (HBL) | Bacteria | Vogt, 1992 |
| *Rickettsiae* | Bacteria | Vogt and Strus, 1998 |
| *Palaemon B-cell Reo-like virus (PBRV)* | Virus |
| *Aggregata octopiana* | Apicomplexa | Arias et al. 1998 |
| *Palaemon macrodactylus* | Shrimp | *Lagenidium callinectes* | Fungi | Fisher, 1983 |
| *WSSV* | Virus | Matorelli et al. 2010 |
| *Infectious hypodermal and haematopoietic necrosis virus* | Virus |
| *Palaemonella rotumana* | Shrimp | *Metaphrixus intutus* | Bopyrid | Bruce, 1986 |
| *Panulirus guttatus* | Lobster | *None* | - | - |
| *Panulirus ornatus* | Lobster | *WSSV* | Virus | Musthaq et al. 2006 |
| *Vibrio owensii* | Bacteria | Goulden et al. 2012 |
| *Vibrio harveyi* | Bacteria | Bourne et al. 2006 |
| *Microsporidian sp.* | Microsporidia | Kiryu et al. 2009 |
| Various microbial commensals in culture | Various | Bourne et al. 2004 |
| *Fusarium sp.* | Fungus | Nha et al. 2009 |
| *Paracalanus indicus* | Copepod | *Atelodinium sp.* | Dinoflagellate | Kimmerer and McKinnon, 1990 |
| *Paracaprella pusilla* | Shrimp | *None* | - | - |
| *Paracartia grani* | Copepod | *Marteilia refringens* | Protist | Audemard et al. 2002 |
| *Paracerceis sculpta* | Isopod | *None* | - | - |
| *Paradella dianae* | Isopod | *None* | - | - |
| *Paraergasilus longidigitus* | Copepod | *None* | - | - |
| *Paralithodes camtschaticus* | Crab | *Ciliates* | Protozoa | Jansen et al. 1998 |
| *Flagellates* | Protozoa |
| *Turbellaria* | Helminth |
| *Nemertea (2 spp.)* | Helminth |
| *Hirudinea* | Helminth |
| *Acanthocephala* | Helminth |
| *Ischyrocercus commensalis* | Amphipod |
| *Tisbe sp.* | Copepod |
| *Mytilus edulis* | Mussel |
| *Johanssonia arctica* | Leech | Falk-Peterson et al. 2011 |
| *Hematodinium sp.* | Dinoflagellate | Ryazanova et al. 2010 |
| *Fouling community (various)* | Various | Dvoretsky and Dvoretsky, 2009 |
| *Herpes-Like virus* | Virus | Ryazanova et al. 2015 |
| *Thelohania/Ameson* | Microsporidia | Ryazanova and Eliseikina, 2010 |
| *Notosmobdella cyclostoma* | Leech | Zara et al. 2009 |
| *Paramphiascella vararensis* | Copepod | *None* | - | - |
| *Paramysis (Mesomysis) intermedia* | Shrimp | *None* | - | - |
| *Paramysis (Serrapalpisis) lacustris* | Shrimp | *None* | - | - |
| *Paramysis baeri* | Shrimp | *None* | - | - |
| *Paramysis ullskyi* | Shrimp | *None* | - | - |
| *Paranthura japonica* | Isopod | *None* | - | - |
| *Parvocalanus crassirostris* | Copepod | *None* | - | - |
| *Parvocalanus elegans* | Copepod | *None* | - | - |
| *Parvocalanus latus* | Copepod | *None* | - | - |
| *Penaeus aztecus* | Shrimp | *IHHN Virus* | Virus | Bray et al. 1994 |
| *WSSV* | Virus | Lightner et al. 1998 |
| *Yellow head virus* | Virus |
| *Taura symdrome* | Virus | Overstreet et al. 1997 |
| *Cestdoe larvae* | Cestode | Kruse, 1959 |
| *Fusarium sp.* | Fungus | Solangi and Lightner, 1976 |
| *Baculovirus penaei* | Virus | Momoyama and sano, 1989 |
| *Tuzetia weidneri* | Microsporidia | Tourtip et al. 2009 |
| *Vibrio sp.* | Bacteria | Anderson et al. 1987 |
| *Prochristianella penaei* | Cestode | Ragen and Aldrich, 1972 |
| *Penaeus hathor* | Shrimp | *None* | - | - |
| *Penaeus merguiensis* | Shrimp | *WSSV* | Virus | Wang et al. 2002 |
| *Epipenaeon ingens* | Bopyrid | Owens, 1983 |
| *Hepatopancreatic parvo-like virus* (PmergDNV) | Virus | Roubal et al. 1989 |
| *Baculovirus* | Virus | Doubrovsky et al. 1988 |
| Various bacteria flora | Bacteria | Oxley et al. 2002 |
| *Microsporidian* sp*.* | Fungi | Enriques et al. 1980 |
| *Gill-associated virus* | Virus | Spann et al. 2000 |
| *Polypocephalus* sp*.* | Cestode | Owens, 1985 |
| *Spawner isolated mortality virus* | Virus | Owen et al. 2003 |
| IHHNV | Virus | Krabsetsve et al. 2004 |
| *Mourilyan virus* | Virus | Cowley et al. 2005 |
| *Penaeus semisulcatus* | Shrimp | *Epipenaeon ingens* | Bopyrid | Somers and Kirkwood, 1991 |
| *Epipenaeon elegans* | Bopyrid | Abu-Hakima, 1984 |
| *WSSV* | Virus | Venegas et al. 2000 |
| *YHV* | Virus |
| *Fusarium* sp*.* | Fungi | Colorni, 1989a |
| *Sporozoan infection* | Microsporidia | Thomas, 1976 |
| HPV | Virus | Manjanaik et al. 2005 |
| IHHN | Virus | Colorni, 1989b |
| Bacterial necrosis | Bacteria | Tareen, 1982 |
| *Vibrio sp.* | Bacteria |
| *Filamentous Bacteria* | Bacteria |
| *Shell disease* | Unknown |
| *Lagenidium sp.* | Fungi |
| *Various protozoa* | Protist |
| BMNV | Virus | Coman and Crocos, 2003 |
| *Ameson sp.* | Microsporidia | Owens and Glazebrook, 1988 |
| *Thelohania sp.* | Microsporidia |
| *Penaeus subtilis* | Shrimp | *WSSV* | Virus | Vijayan et al. 2005 |
| IHHNV | Virus | Coelho et al. 2009 |
| Baculovirus | Virus | LeBlanc et al. 1991 |
| *Penilia avirostris* | Water flea | *Hyphochyrium peniliae* | Fungus | Porter. 1986 |
| *Vibrio cholerae* | Bacteria | Martinelli-Filho et al. 2016 |
| *Percnon gibbesi* | Crab | *None* | - | - |
| *Photis lamellifera* | Amphipod | *None* | - | - |
| *Pilumnoides inglei* | Crab | *None* | - | - |
| *Pilumnopeus vauquelini* | Crab | *None* | - | - |
| *Pilumnus minutus* | Crab | *None* | - | - |
| *Pilumnus spinifer* | Crab | *Aggregata sp.* | Gregarine | Vivares, 1970 |
| *Plagusia squamosa* | Crab | *None* | - | - |
| *Platorchestia platensis* | Amphipod | *Levinseniella carteretensis* | Trematode | Bousfield and Heard, 1986 |
| *Platyscelus armatus* | Amphipod | *None* | - | - |
| *Pollicipes pollicipes* | Barnacle | *None* | - | - |
| *Pontogammarus aestuarius* | Amphipod | *None* | - | - |
| *Pontogammarus robustoides* | Amphipod | *Dictyocoela sp.* | Microsporidia | Wilkinson et al. 2011 |
| *Nosema sp.* | Microsporidia | Ovcharenko and Yemeliyanova, 2009 |
| *Cephaloidophora mucronata* | Gregarine | Ovcharenko et al. 2009 |
| *Uradiophora ramosa* | Gregarine |
| *Thelohania sp.* | Microsporidia |
| *Porcellidium ovatum* | Copepod | *None* | - | - |
| *Porcelloides tenuicaudus* | Crab | *None* | - | - |
| *Portunus segnis* | Crab | *Heterosaccus dollfusi* | Barnacle | Innocenti and Galil, 2011 |
| *Proameira simplex* | Copepod | *None* | - | - |
| *Proasellus coxalis* | Isopod | *Acanthocephalus sp.* | Acanthocephalan | Contoli et al. 1967 |
| *Asellaria gramenei* | Fungi | Valle, 2006 |
| *Maritrema feliui* | Trematode | Tkach, 1998 |
| *Proasellus meridianus* | Isopod | *Asellaria gramenei* | Trichomycete | Valle, 2006 |
| *Procambarus acutus* | Crayfish | *Alloglossoides caridicola* | Trematode | Lumsden et al. 1999 |
| *Alloglossidium dolandi* | Trematode | Turner, 2007 |
| *Aphanomyces astaci* | Oomycete | Tilmans et al. 2014 |
| *Annelids* | Anndelid | Miller, 1981 |
| *Procambarus clarkii* | Crayfish | *Sprioplasma* | Bacteria | Wang et al. 2005 |
| *WSSV* | Virus | Jha et al. 2006 |
| *Aphanomyces astaci* | Oomycete | Diegues-Uribeondo and Soderhall, 1993 |
| *Psorospermium sp.* | Mesomycetozoan | Henttonen et al. 1997 |
| *Three Commensal Protozoa* | Protozoa | Vogelbein and Thune, 1988 |
| *Digenea* | Trematode | Longshaw et al. 2012 |
| *Aeromonas hydrophila* | Bacteria | Dong et al. 2011 |
| *Procambarus fallax f. virginalis* | Crayfish | *Aphanomyces astaci* | Oomycete | Keller et al. 2014 |
| *Psorospermium sp.* | Mesomycetozoan | Henttonen et al. 1994 |
| *Coccidian RLO* | Bacteria | Longshaw et al. 2012 |
| *Aeromonas sobria* | Bacteria |
| *Citrobacter freundii* | Bacteria |
| *Grimontia hollisae* | Bacteria |
| *Pasteurella multocida* | Bacteria |
| *Ciliated protists* | Protozoa |
| *Unspecified Ostracod* | Ostracod |
| *Unspecified mites* | Mite |
| *Pseudocuma (Stenocuma) graciloides* | Copepod | *None* | - | - |
| *Pseudocuma cercaroides* | Copepod | *None* | - | - |
| *Pseudodiaptomus inopinus* | Copepod | *None* | - | - |
| *Pseudodiaptomus marinus* | Copepod | *None* | - | - |
| *Pseudomyicola spinosus* | Copepod | *Mid-gut bacteria* | Bacteria | Yoshikoshi and Ko, 1991 |
| *Ptilohyale littoralis* | Amphipod | *None* | - | - |
| *Rhabdosoma whitei* | Amphipod | *None* | - | - |
| *Rhithropanopeus harrisii* | Crab | *Cancricepon choprae* | Isopod | Markham, 1975 |
| *Loxothylacus panopei* | Parasitic barnacle | Boschma, 1972 |
| Potential vector of: *Dermocystidium marinum* | Fungus | Hoese, 1962 |
| *Haplosporidium* (= *Minchinia*) *cadomensis* | Haplosporidian | Marchand and Sprauge, 1979 |
| *Haplosporidium sp.* | Haplosporidian | Rosenfield et al. 1969 |
| *Rimapenaeus similis* | Shrimp | *None* | - | - |
| *Robertgurneya rostrata* | Copepod | *None* | - | - |
| *Saduria entomon* | Isopod | *Cryptococcus laurentii* | Yeast | Hryniewiecka-Szyfter and Babula, 1997 |
| *Mesanophrys* | Protozoa | Hryniewiecka-Szyfter et al. 2001 |
| *Saron marmoratus* | Shrimp | *Bopyrella saronae* | Bopyrid | Bourdon and Bruce, 1979 |
| *Sarsamphiascus tenuiremis* | Copepod | *None* | - | - |
| *Scherocumella gurneyi* | Copepod | *None* | - | - |
| *Scolecithrix sp.* | Copepod | *Blastodinium galatheanum* | Dinoflagellate | Skovgaard and Salomonsen, 2009 |
| *Scottolana longipes* | Copepod | *None* | - | - |
| *Scyllarus caparti* | Lobster | *None* | - | - |
| *Simocephalus hejlongjiangensis* | Water flea | *None* | - | - |
| *Sinelobus stanfordi* | Tanaid | *None* | - | - |
| *Sirpus monodi* | Crab | *None* | - | - |
| *Skistodiaptomus pallidus* | Copepod | *Bothriocephalus acheilognathi* | Tapeworm | Marcogliese and Esch, 1989 |
| *Solenocera crassicornis* | Shrimp | *Various bacteria* | Bacteria | Prasad et al. 1989 |
| *WSSV* | Virus | Pradeep et al. 2012 |
| *Sphaeroma quoianum* | Isopod | *None* | - | - |
| *Sphaeroma serratum* | Isopod | *Palavascia sphaeromae* | Trichomycete | Manier, 1978 |
| *Vorticella minima* | Protist | Naidenova and Mordvinova, 1985 |
| *Vorticella sphaeroma* |
| *Vorticella lima* |
| *Zoothamnium alternans* |
| *Zoothamnium sphaeroma* |
| *Zoothamnium perejaslawzeva* |
| *Cothurnia achtiari* |
| *Delamurea loricata* |
| *Delamurea maeatica* |
| *Tanriella lomi* |
| *Aceneta tuberosa* |
| *Sphaeroma walkeri* | Isopod | *Lagenophrys cochinensis* | Protist | Fernandez-Leborans, 2009 |
| *Sphaerozius nitidus* | Crab | *None* | - | - |
| *Sternodromia spinirostris* | Decapod | *None* | - | - |
| *Strandesia spinulosa* | Ostracod | *Neoechinorhynchus cylindratus* | Acanthocephalan | Eure, 1976 |
| *Stygobromus ambulans* | Amphipod | *None* | - | - |
| *Synidotea laevidorsalis* | Isopod | *None* | - | - |
| *Synidotea laticauda* | Isopod | *None* | - | - |
| *Taeniacanthus lagocephali* | Copepod | *None* | - | - |
| *Tanycypris pellucida* | Ostracod | *None* | - | - |
| *Tessepora atlanticum* | Isopod | *None* | - | - |
| *Tetraclita squamosa rufotinta* | Copepod | *None* | - | - |
| *Thalamita gloriensis* | Crab | *None* | - | - |
| *Thalamita indistincta* | Crab | *None* | - | - |
| *Tracheliastes maculatus* | Parasitic Copepod | *None* | - | - |
| *Tracheliastes polycolpus* | Parasitic Copepod | *None* | - | - |
| *Trachysalambria palaestinensis* | Shrimp | *None* | - | - |
| *Triconia hawii* | Copepod | *None* | - | - |
| *Triconia minuta* | Copepod | *None* | - | - |
| *Triconia rufa* | Copepod | *None* | - | - |
| *Triconia umerus* | Copepod | *None* | - | - |
| *Tuleariocaris neglecta* | Shrimp | *None* | - | - |
| *Urocaridella pulchella* | Shrimp | *None* | - | - |
| *Wlassicsia pannonica* | Branchiopod | *None* | - | - |
| *Xanthias lamarckii* | Crab | *None* | - | - |