



The list of pathogens of aquatic animal biosecurity concern was created to reflect the pathogens which pose a significant threat to aquatic animal health and are significant in the international trade of aquatic animals and animal products. This list was based on *Australia's National List of Reportable Diseases of Aquatic Animals as well as appropriate risk reviews of aquatic commodities* and may be used for vaccines for aquatic species and other commodities containing material derived from aquatic species as deemed appropriate by the Department of Agriculture, Water and the Environment.

PATHOGENS OF AQUATIC ANIMAL BIOSECURITY CONCERN		
Animal species	Pathogen (disease agent)	Disease
Salmon	<i>Aeromonas salmonicida</i> subsp. <i>Salmonicida</i> - including atypical strains	Furunculosis, marine aeromonas disease
	<i>Aliivibrio salmonicida</i> (<i>Vibrio salmonicida</i>)	Cold water vibriosis (haemorrhagic septicaemia)
	<i>Carp sprivivirus</i>	Spring viraemia of carp
	<i>Infectious pancreatic necrosis virus</i> (IPNV)	Infectious Pancreatic Necrosis
	<i>Piscine novirhabdovirus</i> (Viral haemorrhagic septicaemia virus, VHSV)	Viral haemorrhagic septicaemia
	<i>Piscirickettsia salmonis</i>	Piscirickettsiosis
	<i>Renibacterium salmoninarum</i>	Bacterial kidney disease
	Salmonid alphavirus (SAV)	Pancreas disease, Sleeping disease
	Salmonid herpesvirus 2 (<i>Oncorhynchus masou virus</i>)	Oncorhynchus masou virus disease
	<i>Salmon isavirus</i> Including HPR-deleted or HPRO infectious salmon anaemia virus	Infectious Salmon Anaemia

	<i>Salmonid novirhabdovirus</i> (Infectious haematopoietic necrosis virus, IHNV)	Infectious Haematopoietic Necrosis
	<i>Yersinia ruckeri</i> – Hagerman strain	Enteric redmouth disease
Non-salmonid finfish	<i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> - including atypical strains	Furunculosis, various diseases including ulcer disease of goldfish and founder
	<i>Aliivibrio salmonicida</i> (<i>Vibrio salmonicida</i>)	Cold water vibriosis (haemorrhagic septicaemia)
	Aquabirnaviruses (<i>Yellowtail ascites virus</i>)	Various disease symptoms including ascites, deformity
	<i>Carp sprivivirus</i>	Spring viraemia of carp
	<i>Cyprinid herpesvirus 3</i>	Carp interstitial and gill nephritis Koi herpesvirus disease
	<i>European catfish virus</i> (ECV)/European sheatfish virus)	Epizootic haematopoietic necrosis
	<i>Ictalurid herpesvirus 1</i> (Channel catfish virus)	Channel catfish virus disease
	Infectious spleen and kidney necrosis virus (ISKNV)	Infectious spleen and kidney necrosis disease
	ISKNV-like viruses (Megalocytiviruses)	Various diseases
	<i>Piscine novirhabdovirus</i> (Viral haemorrhagic septicaemia virus, VHSV)	Viral haemorrhagic septicaemia
	Piscine retrovirus (including Salmonid leukaemia virus and plasmacytoid leukaemia)	Various diseases
	Red sea bream iridovirus (RSIV)	Red sea bream iridovirus disease

	<i>Salmon isavirus</i> Including HPR-deleted or HPRO infectious salmon anaemia virus	Infectious salmon anaemia
	<i>Salmonid novirhabdovirus</i> (Infectious haematopoietic necrosis virus, IHNV)	Infectious Haematopoietic Necrosis
	Singapore grouper iridovirus	Grouper iridovirus disease/sleepy grouper disease
	<i>Yersinia ruckeri</i> – Hagerman strain	Enteric redmouth disease
Molluscs	Iridoviruses	Various diseases
	<i>Xenohaliotis californiensis</i>	Withering syndrome of abalone
Crustaceans	<i>Aphanomyces astaci</i>	Crayfish plague
	<i>Candidatus</i> Hepatobacter penaei	Necrotising hepatopancreatitis
	<i>Decapod penstyldensovirus 1</i> (also known as Infectious hypodermal and haematopoietic necrosis virus (IHHNV))	Infectious hypodermal and haematopoietic necrosis
	<i>Enterocytozoon hepatopenaei</i>	Hepatopancreatic microsporidiosis
	Gill-associated virus	Gill-associated virus disease
	Infectious myonecrosis virus (IMNV)	Infectious myonecrosis
	Laem-Singh virus (LSNV)	Monodon slow growth syndrome
	Taura syndrome virus (TSV)	Taura syndrome

	<i>Vibrio parahaemolyticus</i> (VpAHPND) with PirA and PirB toxins	Acute hepatopancreatic necrosis disease (AHPND)
	White spot syndrome virus (WSSV)	White spot disease
	Yellow head virus (YHV) genotype 1	Yellow head disease
Amphibians	<i>Batrachochytrium dendrobatidis</i>	Chytridiomycosis
	<i>Batrachochytrium salamandrivorans</i>	Chytridiomycosis
	Ranaviruses	Various diseases