SUSCEPTIBILITY OF FISH SPECIES TO INFECTION WITH INFECTIOUS SALMON ANAEMIA VIRUS (ISAV)

The following table shows the fish species assessed against the criteria for susceptibility to infection with infectious salmon anaemia virus and the outcomes of the assessments. For details about the specific assessment please refer to the link included in the source column of the table.

Assessment Table Key:

N: Natural infection
E: Experimental (non-invasive)
EI: Experimental invasive

Y: Demonstrates criterion is met
N: Criterion is not met
I: Inconclusive

ND: Not determined
NS: Not scored
N/A: Not applicable

Scientific name	Common name	Stage 1: Route of transmission	Stage 2: Pathogen identification	Stage 3: Evidence of infection				Outcome	References	Source	Year of adoption
				A	B	C	D				
Assessed as a susceptible species and included in Article 10.4.2. of Chapter 10.4. of the *Aquatic Code*											
Salmo salar	Atlantic salmon	E	RT-PCR	Y	N	Y	Y	1	McBeath *et al*., 2014	*ad hoc* Group report: April 2017	2018
Salmo trutta	brown trout	N	RT-PCR	N	Y	N	Y	1	Raynard *et al*., 2001	*ad hoc* Group report: April 2017	2018
Oncorhynchus mykiss	rainbow trout	E and EI	RT-PCR and cell culture	N	Y	Y	Y	1	Biacchesi *et al*., 2007; Snow *et al*., 2001	*ad hoc* Group report: April 2017	2018
Assessed as incomplete evidence and listed in Section 2.2.2. of Chapter 2.3.5. in the *Aquatic Manual*											
Oncorhynchus masou	amago trout	I and E	RT-PCR	N	N	Y	Y	2	Ito *et al*., 2015a	*ad hoc* Group report: April 2017	2018
Clupea harengus	Atlantic herring	E	RT-PCR and culture -ve	N	Y	N	N	2	Nylund *et al*., 2002	*ad hoc* Group report: April 2017	2018
Assessed as having PCR positive results but no active infection and listed in the second paragraph of Section 2.2.2. of Chapter 2.3.5. in the *Aquatic Manual*											
Oncorhynchus kisutch	coho salmon	N	RT-PCR	N	Y	N	N	3	Kibenge *et al*., 2001; Kibenge *et al*., 2002; Kibenge *et al*., 2006; Kibenge *et al*., 2009;	*ad hoc* Group report: April 2017	2018

Scientific name	Common name	Stage 1: Route of transmission	Stage 2: Pathogen identification	Stage 3: Evidence of infection				Outcome	References	Source	Year of adoption
				A	B	C	D				
									Lyngstad *et al*., 2011; Snow *et al*., 2006		
Assessed as evidence of non-susceptibility (e.g. experimental invasive studies with no evidence of infection)											
Carassius auratus	goldfish	I	RT-PCR	N	N	N	N	4	Ito *et al*., 2015b	*ad hoc* Group report: April 2017	
Cyclopterus lumpus	lumpfish	N	RT-PCR and cell culture	N	N	N	N	4	Maclean *et al*., 2003	*ad hoc* Group report: April 2017	
Cyprinus carpio	common carp	I	RT-PCR	N	N	N	N	4	Ito *et al*., 2015b	*ad hoc* Group report: April 2017	
Gadus morhua	Atlantic cod	I and N	cell culture and RT-PCR	N	N	N	N	4	Maclean *et al*., 2003; Snow *et al*., 2005	*ad hoc* Group report: April 2017	
Hippoglossus hippoglossus	Atlantic halibut	I	RT-PCR	N	N	N	N	4	Snow *et al*., 2005	*ad hoc* Group report: April 2017	
Oncorhynchus tshawytscha	chinook salmon	I	cell culture	N	N	N	N	4	Rolland *et al*., 2003	*ad hoc* Group report: April 2017	
Pollachius virens	saithe	I and E	negative RT-PCR	N	N	N	N	4	Snow *et al*., 2002	*ad hoc* Group report: April 2017	
		N	RT-PCR	N	N	N	Y	4	Maclean *et al*., 2003, McClure *et al*., 2004	*ad hoc* Group report: April 2017	