SUSCEPTIBILITY OF FISH SPECIES TO INFECTION WITH SALMONID ALPHAVIRUS (SAV)

The following table shows the fish species assessed against the criteria for susceptibility to infection with salmonid alphavirus 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 10.5.2. of Chapter 10.5. of the *Aquatic Code*											
Salvelinus alpinus	Arctic charr	N	PCR/sequence	N	Y	Y	Y	1	Lewisch *et al*., 2018	Aquatic Animals Commission September 2018 Report	2019
Salmo salar	Atlantic salmon	E/N	PCR/sequence	Y	Y	Y	Y	1	Cano *et al*., 2015; Jansen *et al*., 2010; Graham *et al*., 2011; Hjortaas *et al*., 2013; Taksdal *et al*., 2015	*ad hoc* Group report: November 2017	2019
Limanda limanda	common dab	N	PCR/sequence	Y	Y	N	Y	1	Bruno *et al*., 2014; McCleary *et al*., 2014; Simons *et al*., 2016; Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Onchorynchus mykiss	rainbow trout	N/E	PCR/sequence	Y	Y	Y	Y	1	Borzym *et al*., 2014; Schmidt-Posthaus *et al*., 2014; Villoing *et al*., 2000; Graham *et al*., 2003	*ad hoc* Group report: November 2017	2019
Assessed as incomplete evidence and listed in Section 2.2.2. of Chapter 2.3.8. in the *Aquatic Manual*											
Labrus bergylta	Ballan wrasse	N/E/EI	PCR/sequence	N	Y	N	Y	2	Røsæg *et al*., 2017	Aquatic Animals Commission	2019

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				
									From AAC report: Ruane *et al*., 2018	February 2019 Report	
Hippoglossoides platessoides	long rough dab	N	PCR/sequence	N	N	N	Y	2	Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Pleuronectes platessa	plaice	N	PCR/sequence	N	N	N	Y	2	McCleary *et al*., 2014; Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Assessed as having PCR positive results but no active infection and listed in the second paragraph of Section 2.2.2. of Chapter 2.3.8. in the *Aquatic Manual*											
Clupea harengus	herring	N	qPCR	N	N	N	N	3	Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Myoxocephalus octodecemspinosus	longhorn sculpin	N	qPCR	N	N	N	N	3	Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Melanogrammus aeglefinus	haddock	N	qPCR	N	N	N	N	3	Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Trisopterus esmarkii	Norway pout	N	qPCR	N	N	N	N	3	Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Pollachius virens	saithe	N	qPCR	N	N	N	N	3	Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Merlangius merlangus	whiting	N	qPCR	N	N	N	N	3	Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019

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				
Gadus morhua	Atlantic cod	N	qPCR	N	N	N	N	3	Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Merluccius hubbsi	Argentine hake	N	qPCR	N	N	N	N	3	Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Platichthys flesus	European flounder	N	qPCR	N	N	N	N	3	Snow *et al*., 2010	*ad hoc* Group report: November 2017	2019
Salmo trutta	brown trout	EI	PCR/sequence	N	Y	N	N	3	Boucher *et al*., 1995	*ad hoc* Group report: November 2017	2019
Assessed as evidence of non-susceptibility (e.g. experimental invasive studies with no evidence of infection)											
none known											