

SUSCEPTIBILITY OF CRUSTACEAN SPECIES TO INFECTION WITH TAURA SYNDROME VIRUS

The following table shows the crustacean species assessed against the criteria for susceptibility to infection with taura syndrome 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	Y: Demonstrates criterion is met	ND: Not determined
E: Experimental (non-invasive)	N: Criterion is not met	NS: Not scored
EI: Experimental invasive	I: Inconclusive	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 9.8.2. of Chapter 9.8. of the <i>Aquatic Code</i>											
<i>Penaeus stylirostris</i>	blue shrimp	Natural	RT-PCR	IHC	N	Y	Y	1	Robles-Sikisaka <i>et al.</i> , 2002	ad hoc Group report: October 2015	2017
<i>Penaeus monodon</i>	giant tiger prawn	Natural, E (per os)	RT-PCR	ISH	N	Y	Y	1	Churchird & Limsuwan, 2007; Phalitakul <i>et al.</i> , 2006	ad hoc Group report: October 2015	2017
<i>Penaeus ensis</i>	greasyback shrimp	Natural	RT-PCR	N	N	Y	Y	1	Chang <i>et al.</i> , 2004	ad hoc Group report: October 2015	2017
<i>Penaeus aztecus</i>	northern brown shrimp	E (per os)	RT-PCR	ISH	N	Y	Y	1	Overstreet <i>et al.</i> , 1997	ad hoc Group report: October 2015	2017
<i>Penaeus setiferus</i>	northern white shrimp	E (per os)	RT-PCR	ISH	N	Y	Y	1	Overstreet <i>et al.</i> , 1997	ad hoc Group report: October 2015	2017
<i>Penaeus vannamei</i>	whiteleg shrimp	Natural	RT-PCR	IHC	N	Y	Y	1	Phalitakul <i>et al.</i> , 2006; Robles-Sikisaka <i>et al.</i> , 2002	ad hoc Group report: October 2015	2017

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 incomplete evidence and listed in Section 2.2.2. of Chapter 2.2.7. in the <i>Aquatic Manual</i>											
<i>Penaeus chinensis</i>	fleshy prawn	EI	RT-PCR	No	No	Yes	Yes	2	Overstreet <i>et al.</i> , 1997	ad hoc Group report: October 2015	2017
<i>Macrobrachium rosenbergii</i>	giant river prawn	EI	RT-PCR	ISH	N	Y	Y	2	Churchird & Limsuwan, 2007	ad hoc Group report: October 2015	2017
<i>Ergasilus manicatus</i>	Copepod	E (per os)	RT-PCR	RT-qPCR	N	N	N	2	Overstreet <i>et al.</i> , 1997	ad hoc Group report: October 2015	2017
<i>Chelonibia patula</i>	barnacle	E (per os)	RT-PCR	ISH	N	N	N	2	Overstreet <i>et al.</i> , 1997	ad hoc Group report: October 2015	2017
<i>Octolasmis muelleri</i>	barnacle	E (per os)	RT-PCR	ISH	N	N	N	2	Overstreet <i>et al.</i> , 1997	ad hoc Group report: October 2015	2017
Assessed as having PCR positive results but no active infection and listed in the second paragraph of Section 2.2.2. of Chapter 2.2.7. in the <i>Aquatic Manual</i>											
<i>Callinectes sapidus</i>	blue crab	E (per os)	RT-PCR	N	N	N	N	3	Overstreet <i>et al.</i> , 2009	ad hoc Group report: October 2015	2017
<i>Sesarma mederi</i>	crab	EI and per os	RT-PCR	N	N	N	N	3	Kiatpathomchai <i>et al.</i> , 2008	ad hoc Group report: October 2015	2017
<i>Uca vocans</i>	crab	EI and per os	RT-PCR	N	N	N	N	3	Kiatpathomchai <i>et al.</i> , 2008	ad hoc Group report: October 2015	2017
<i>Fundulus grandis</i>	gulf killifish	E (per os)	RT-PCR	N	N	N	N	3	Overstreet <i>et al.</i> , 2009	ad hoc Group report: October 2015	2017
<i>Penaeus japonicus</i>	kuruma prawn	EI	RT-PCR	N	N	N	N	3	Chang <i>et al.</i> , 2004	ad hoc Group report: October 2015	2017

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				
<i>Scylla serrata</i>	Indo-Pacific swamp crab	EI and per os	RT-PCR	N	N	N	N	3	Kiatpathomchai <i>et al.</i> , 2008.	ad hoc Group report: October 2015	2017
<i>Penaeus duorarum</i>	northern pink shrimp	E (per os)	RT-PCR	N	N	N	N	3	Overstreet <i>et al.</i> , 1997	ad hoc Group report: October 2015	2017
<i>Penaeus schmitti</i>	southern white shrimp	Natural	RT-PCR	N	N	N	N	3	Fajardo <i>et al.</i> , 2010	ad hoc Group report: October 2015	2017
Assessed as evidence of non-susceptibility (e.g. experimental invasive studies with no evidence of infection)											
none known											