

Supplemental Table S1. List of countries where human enteric bacteria were detected in marine or freshwater BMS, with references. This table does not include marine bacteria detection (such as *Vibrio* or *aeromonas*)

Country	<i>Escherichia</i>	<i>Salmonella</i>	<i>Shigella</i>	<i>Klebsiella</i>	<i>Campylobacter</i>	<i>Aerobacter</i>	<i>Helicobacter</i>	<i>Clostridium</i>	<i>Enterococcus</i>	Reference
Argentina										
Australia					+					[1]
Brazil	+									[2]
		+	-							[3]
									+	[4]
		+								[5]
Canada		+								[6]
China										
Croatia					+					[7]
Costa Rica	+									[8]
Denmark										
Egypt								+		[9]
	+									[10]
Finland										
France					+					[11]
	+	+			+				+	[12]
					+					[1]
	+									[13]
	+			+						[14]
		+								[15]
Greece	+	-								[16]
India						+				[17]
Ireland									+	[18]
	+	+			+			+		[19]
Italy								+		[20]
								+		[21]

				+						[22]
						+				[23]
Japan								+		[24]
		+	-							[25]
			+							[26]
Netherlands (the)					+					[27]
Norway	+			+						[28]
				+						[29]
Portugal	+			+						[30]
Spain								+		[31]
						+				[32]
							+			[33]
		+								[34]
Thailand					+					[35]
		+								[36]
	+	+	+							[37]
	+									[38]
Tunisia	+	-								[39]
	+			+						[40]
United Kingdom		+			+					[19]
United States of America					+					[41]
								+		[42]
	+								+	[43]
		+								[44]

+ : bacteria detected in BMS

- : bacteria searched but not detected

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Supplemental Table S2. List of countries where human viruses were detected in marine or freshwater BMS, with references.

Country	AdV	AIv	AsV	EV	HAV	HEV	NoV	RV	SaV	SARS-CoV-2	Reference
Argentina							+	+			[1]
Australia					-		-				[2]
							+				[3]
Brazil			-				+				[4]
	+			+			+				[5]
					+		+	+			[6]
	+						+	+			[7]
	+						+	+			[8]
Bulgaria							+				[9]
Cameroon					+		+				[10]
Canada							+				[11]
China							+	+			[12]
						+					[13]
Croatia								+		-	[14]
Denmark						-		-			[15]
Finland*					-	-	+				[16]
France		+	+	+	-		+	+			[17]
				+	+		+	+			[18]
		-		+	-	-	+	+	+		[19]
						-					[20]
							+			-	[21]
Greece	+			+	+		+				[22]
India	+			+	-		-				[23]
							+				[24]
Ireland							+				[25]
Italy	+	+	+		-	-	+	+	+		[26]
	+	+	+		+	-	+	+	+		[27]
	+			+	+	+	+	-			[28]

		+									[29]
	+		-	+	-	-	+				[30]
										+	[31]
Japan	+	+	-		+		+	+			[32]
									+		[33]
										-	[34]
South Korea							+				[35]
	+			+							[36]
Mexico					+		+				[37]
Montenegro							+				[38]
Morocco	+										[39]
		+		+	+		+		+		[40]
						+					[41]
Netherlands (the)			-	+	-		-	-			[42]
					+		+				[43]
New Zeland	+						+				[44]
Norway	+						+				[45]
							+		+		[46]
Poland					+		+				[47]
Portugal				+	+		+				[48]
						-	+				[49]
Singapore					+	+	+	-			[50]
Slovenia							+				[51]
Sweden	+			+	-		+				[22]
Taiwan	+						+				[52]
Thailand					+	-					[53]
								+			[54]
							+				[55]
Tunisia		+									[56]
			+	+	+		+				[57]
Turkey							+				[58]
United Kingdom	+			+	+		+				[22]
	+				-	-	+		-		[59]
						+					[60]

										-	[61]
United States of America							+				[62]
				+							[63]
				+							[64]
				+							[65]
Vietnam		+	+		+	+	+				[66]

* shellfish were imported from Denmark

+ : virus detected in BMS

- : virus searched but not detected

Empty : virus not searched

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