

Table S1. Presumptive *Vibrio* counts (CFU/mL) during four sampling seasons (spring, summer, autumn, winter) in seawater, sediment, and gill and skin swabs of European seabass in the fish farm in Mali Ston Bay in the Adriatic Sea, Croatia, determined in the period 2016 to 2019.

	Spring	Summer	Autumn	Winter	
2016	<i>Vibrio</i> 22 °C				
	Seawater	25.0 ± 24.9	44.3 ± 52.4	170.0 ± 130.8	na
	Sediment	220.0 ± 45.3	165.0 ± 9.9	177.0 ± 4.2	na
	Gills	0 ± 0	0 ± 0	0 ± 0	na
	Skin	0 ± 0	0 ± 0	0 ± 0	na
	<i>Vibrio</i> 35 °C				
	Seawater	1.0 ± 1.4	0.25 ± 0.5	43.0 ± 66.3	na
	Sediment	0 ± 0	42.0 ± 9.9	20.0 ± 0	na
	Gills	0 ± 0	0 ± 0	0 ± 0	na
	Skin	0 ± 0	0 ± 0	0 ± 0	na
	2017	<i>Vibrio</i> 22 °C			
		Seawater	13.3 ± 11.3	170.0 ± 175.1	35.0 ± 56.9
Sediment		345.0 ± 35.4	700.0 ± 113.1	270.0 ± 11.3	1280.0 ± 113.1
Gills		52.0 ± 119.2	3.3 ± 4.8	0 ± 0	10.8 ± 20.8
Skin		13.7 ± 34.3	0 ± 0	0 ± 0	0 ± 0
<i>Vibrio</i> 35 °C					
Seawater		5.0 ± 10.0	5.25 ± 9.9	0 ± 0	0 ± 0
Sediment		24.0 ± 8.5	195.0 ± 18.4	0 ± 0	0 ± 0
Gills		43.4 ± 89.1	0 ± 0	0 ± 0	0 ± 0
Skin		13.3 ± 22.4	0 ± 0	0 ± 0	0 ± 0
2018		<i>Vibrio</i> 22 °C			
		Seawater	50.0 ± 19.6	65.5 ± 41.6	123.8 ± 178.4
	Sediment	264.0 ± 104.7	215.0 ± 35.4	650.0 ± 70.7	112.0 ± 4.2
	Gills	0.5 ± 0.7	0.1 ± 0.3	237.5 ± 413.8	0 ± 0
	Skin	0 ± 0	0 ± 0	12.5 ± 35.4	5.2 ± 13.7
	<i>Vibrio</i> 35 °C				
	Seawater	22.5 ± 6.5	7.75 ± 6.6	0 ± 0	0 ± 0
	Sediment	34.0 ± 22.6	300.0 ± 28.3	14.0 ± 1.4	0 ± 0
	Gills	0 ± 0	0 ± 0	0 ± 0	0 ± 0
	Skin	0 ± 0	0 ± 0	0 ± 0	0.3 ± 0.9
	2019	<i>Vibrio</i> 22 °C			
		Seawater	15.3 ± 16.8	na	na
Sediment		74.0 ± 9.9	na	na	na
Gills		14.6 ± 26.1	na	na	na
Skin		14.6 ± 37.9	na	na	na
<i>Vibrio</i> 35 °C					
Seawater		0 ± 0	na	na	na
Sediment		0 ± 0	na	na	na
Gills		0 ± 0	na	na	na
Skin		0.8 ± 2.5	na	na	na

Values are average ± standard deviation; na – not analysed

Table S2. Raw data of MALDI-TOF MS identification of *Vibrio* species using the MALDI Biotyper Compass Explorer 4.1 software package and Bruker database version 11.

Sampling year	Tested isolates	Bruker database	
		Identification	Log score
2016	VP 1	<i>V. pomeroyi</i>	2.040
	VP 2	<i>V. pomeroyi</i>	1.840
	VP 3	<i>V. pomeroyi</i>	2.100
	VP 4	<i>V. chagasii</i>	1.970
	VP 5	<i>V. gigantis</i>	2.080
	VP 6	<i>V. ichthyoenteri</i>	2.070
	VP 7	<i>V. gigantis</i>	2.040
	VP 8	<i>V. pomeroyi</i>	1.940
	VP 10	<i>V. ichthyoenteri</i>	1.930
	VP 11	<i>V. pomeroyi</i>	2.140
	VP 12	<i>V. chagasii</i>	1.880
	VP 13	<i>V. pomeroyi</i>	2.090
	VP 14	<i>V. pomeroyi</i>	2.010
	VP 15	<i>V. ichthyoenteri</i>	2.060
	VP 16	<i>V. pomeroyi</i>	1.990
	VP 17	<i>V. ichthyoenteri</i>	1.880
	VP 18	<i>V. gigantis</i>	1.980
	VP 22	<i>V. harveyi</i>	2.050
	VP 23	<i>V. ichthyoenteri</i>	1.990
	VP 24	<i>V. scophthalmi</i>	1.940
	VP 25	<i>V. harveyi</i>	2.210
	VP 26	<i>V. harveyi</i>	2.300
	LJV 16 5	<i>V. pomeroyi</i>	1.910
	LJV 16 6	<i>V. pomeroyi</i>	1.950
	LJV 16 7	<i>V. pomeroyi</i>	2.040
	LJV 16 10	<i>V. gigantis</i>	2.100
	LJV 16 11	<i>V. superstes</i>	1.830
	LJV 16 15	<i>V. pomeroyi</i>	2.130
	LJV 16 19	<i>V. gigantis</i>	2.120
	LJV 16 20	<i>V. superstes</i>	1.890
	LJV 16 21	<i>V. gigantis</i>	1.920
	LJV 16 22	<i>V. pomeroyi</i>	2.040
	LJV 16 23	<i>V. pomeroyi</i>	2.040
	LJV 16 25	<i>V. harveyi</i>	1.810
	LJV 16 26	<i>V. harveyi</i>	2.240
	LJV 16 28	<i>V. harveyi</i>	2.300
	LJV 16 30	<i>V. harveyi</i>	1.910
	LJV 16 31	<i>V. superstes</i>	1.760
	VJ 16 6	<i>V. cyclitrophicus</i>	2.200
	VJ 16 7	<i>V. gigantis</i>	1.990
	VJ 16 8	<i>V. pomeroyi</i>	1.950
	VJ 16 9	<i>V. pomeroyi</i>	1.900
VJ 16 12	<i>V. gigantis</i>	1.940	
VJ 16 13	<i>V. pomeroyi</i>	2.060	
VJ 16 14	<i>V. pomeroyi</i>	1.980	
VJ 16 16	<i>V. harveyi</i>	2.470	
VJ 16 17	<i>V. harveyi</i>	2.430	
VJ 16 18	<i>V. harveyi</i>	2.450	
VJ 16 19	<i>V. orientalis</i>	1.960	
VJ 16 20	<i>V. harveyi</i>	2.260	

VJ 16 21	<i>V. harveyi</i>	2.410		
VJ 16 22	<i>V. harveyi</i>	2.380		
VJ 16 23	<i>V. harveyi</i>	2.280		
VJ 16 24	<i>V. harveyi</i>	2.210		
VJ 16 25	<i>V. europaeus</i>	2.120		
VJ 16 26	<i>V. pelagius</i>	1.850		
VJ 16 31	<i>V. gigantis</i>	1.830		
VJ 16 32	<i>V. gigantis</i>	1.970		
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2017	P17 21	<i>V. harveyi</i>	1.920	
	P17 22	<i>V. fortis</i>	1.860	
	P17 24	<i>V. gigantis</i>	1.890	
	P17 26	<i>V. pomeroyi</i>	1.920	
	P17 29	<i>V. pomeroyi</i>	1.870	
	P17 32	<i>V. pomeroyi</i>	1.930	
	P17 111	<i>V. alginolyticus</i>	1.830	
	P17 112	<i>V. alginolyticus</i>	2.080	
	P17 113	<i>V. alginolyticus</i>	1.870	
	P17 114	<i>V. alginolyticus</i>	2.010	
	P17 126	<i>V. alginolyticus</i>	1.840	
	P17 127	<i>V. alginolyticus</i>	2.110	
	P17 128	<i>V. alginolyticus</i>	2.260	
	P17 129	<i>V. alginolyticus</i>	2.100	
	P17 130	<i>V. alginolyticus</i>	1.900	
	P17 131	<i>V. alginolyticus</i>	2.060	
	P17 132	<i>V. alginolyticus</i>	2.040	
	P17 137	<i>V. alginolyticus</i>	2.000	
	P17 138	<i>V. alginolyticus</i>	2.100	
	P17 139	<i>V. alginolyticus</i>	2.000	
	P17 140	<i>V. alginolyticus</i>	2.150	
	P17 143	<i>V. alginolyticus</i>	1.890	
	P17 144	<i>V. alginolyticus</i>	2.090	
	P17 155	<i>V. alginolyticus</i>	2.150	
	P17 9	<i>V. alginolyticus</i>	2.040	
	P17 10	<i>V. alginolyticus</i>	1.970	
	P17 11	<i>V. anguillarum</i>	2.370	
	P17 12	<i>V. anguillarum</i>	2.330	
	P17 13	<i>V. anguillarum</i>	2.140	
	P17 14	<i>V. anguillarum</i>	2.380	
	P17 15	<i>V. anguillarum</i>	2.290	
	P17 16	<i>V. anguillarum</i>	2.280	
	ZM17 35	<i>V. tasmaniensis</i>	1.980	
	ZM17 36	<i>V. tasmaniensis</i>	1.870	
	ZM17 38	<i>V. pelagius</i>	1.870	
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	2018	P18 37	<i>V. alginolyticus</i>	2.100
		P18 48	<i>V. alginolyticus</i>	2.110
P18 64		<i>V. scophthalmi</i>	2.120	
P18 65		<i>V. pomeroyi</i>	2.070	
P18 68		<i>V. harveyi</i>	2.310	
P18 70		<i>V. harveyi</i>	2.200	
P18 71		<i>V. harveyi</i>	2.330	
P18 73		<i>V. harveyi</i>	2.420	
LJ18 17		<i>V. chagasii</i>	1.880	
LJ18 18		<i>V. pomeroyi</i>	1.950	

LJ18 20	<i>V. alginolyticus</i>	2.040
LJ18 21	<i>V. alginolyticus</i>	2.170
LJ18 22	<i>V. alginolyticus</i>	1.940
LJ18 23	<i>V. alginolyticus</i>	2.110
LJ18 24	<i>V. alginolyticus</i>	2.180
LJ18 25	<i>V. harveyi</i>	2.200
LJ18 26	<i>V. harveyi</i>	2.150
LJ18 27	<i>V. alginolyticus</i>	2.220
LJ18 29	<i>V. alginolyticus</i>	2.140
LJ18 31	<i>V. harveyi</i>	2.280
LJ18 33	<i>V. harveyi</i>	2.180
LJ18 34	<i>V. chagasii</i>	2.000
LJ18 35	<i>V. chagasii</i>	2.000
LJ18 59	<i>V. harveyi</i>	2.210
LJ18 60	<i>V. harveyi</i>	2.040
LJ18 62	<i>V. pelagius</i>	2.190
LJ18 65	<i>V. pelagius</i>	2.230
LJ18 66	<i>V. chagasii</i>	1.770
LJ18 69	<i>V. chagasii</i>	1.870
LJ18 138	<i>V. chagasii</i>	1.890
LJ18 139	<i>V. fortis</i>	2.300
LJ18 141	<i>V. gigantis</i>	2.090
LJ18 142	<i>V. chagasii</i>	2.050
LJ18 143	<i>V. harveyi</i>	2.120
LJ18 144	<i>V. chagasii</i>	1.980
LJ18 149	<i>V. pomeroyi</i>	1.980
LJ18 150	<i>V. chagasii</i>	1.950
LJ18 153	<i>V. gigantis</i>	2.040
LJ18 154	<i>V. gigantis</i>	2.030
LJ18 155	<i>V. chagasii</i>	2.060
LJ18 156	<i>V. chagasii</i>	2.080
LJ18 157	<i>V. chagasii</i>	2.090
J18 9	<i>V. harveyi</i>	2.150
J18 10	<i>V. harveyi</i>	1.900
J18 11	<i>V. harveyi</i>	2.100
J18 12	<i>V. harveyi</i>	2.160
J18 13	<i>V. gigantis</i>	2.080
J18 14	<i>V. pomeroyi</i>	1.920
J18 16	<i>V. pomeroyi</i>	2.020
J18 17	<i>V. pomeroyi</i>	1.830
J18 18	<i>V. pomeroyi</i>	1.890
J18 19	<i>V. gigantis</i>	1.860
J18 20	<i>V. gigantis</i>	1.780
J18 21	<i>V. pomeroyi</i>	2.020
J18 22	<i>V. gigantis</i>	2.030
J18 23	<i>V. pomeroyi</i>	1.970
J18 24	<i>V. pomeroyi</i>	2.020
J18 26	<i>V. alginolyticus</i>	2.080
J18 28	<i>V. alginolyticus</i>	1.950
J18 29	<i>V. harveyi</i>	2.040
J18 31	<i>V. alginolyticus</i>	1.970
J18 32	<i>V. alginolyticus</i>	2.330
Z18 41	<i>V. tasmaniensis</i>	1.950
Z18 42	<i>V. tasmaniensis</i>	1.850
Z18 45	<i>V. tasmaniensis</i>	1.980

	Z18 46	<i>V. tasmaniensis</i>	1.960
	Z18 49	<i>V. tasmaniensis</i>	1.890
	Z18 69	<i>V. tasmaniensis</i>	1.950
	Z18 71	<i>V. tasmaniensis</i>	1.900
	Z18 110	<i>V. tasmaniensis</i>	1.860
	Z18 120	<i>V. tasmaniensis</i>	1.990
2019	14	<i>V. anguillarum</i>	2.280
	22	<i>V. alginolyticus</i>	1.870
	24	<i>V. alginolyticus</i>	2.160
	27	<i>V. chagasii</i>	1.710
	28	<i>V. alginolyticus</i>	2.150
	29	<i>V. chagasii</i>	1.890
	30	<i>V. orientalis</i>	1.830
	31	<i>V. orientalis</i>	1.940
	33	<i>V. harveyi</i>	2.120
	35	<i>V. pomeroyi</i>	1.930
	37	<i>V. gigantis</i>	2.000
	42	<i>V. scophthalmi</i>	1.930
	43	<i>V. scophthalmi</i>	1.930

Shaded green, MALDI-TOF MS identifications that match assigned species identifications; shaded yellow, MALDI-TOF MS identifications that match assigned genus-level identifications only.