

Retrospective analysis of *Vibrio* spp. isolated from marketed crustaceans using multilocus sequence analysis

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Table S1: Characteristics of the *Vibrio* strains of 2011 isolated from Crustacean samples in collaboration with IZSve Adria (Italy)

Strain number	Code by IZS Adria	Sampling date	Species of crustaceans	Conser vation	Origin	% of NaCl in		Biochemical Identification	MLSA Identification
						Alkaline peptone water	Incubation temperature		
1A	234/lit 1	7/18/2011	<i>Palaemon elegans</i>	Frozen	Malamocco	2	37°C	<i>V. harveyi</i>	Harveyi group
2A	234/lit 2	7/18/2011	<i>Palaemon elegans</i>	Frozen	Malamocco	2	37°C	<i>V. harveyi</i>	Harveyi group
3A	234/lit 3	7/18/2011	<i>Palaemon elegans</i>	Frozen	Malamocco	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
4A	234/lit 4	7/18/2011	<i>Palaemon elegans</i>	Frozen	Malamocco	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
5A	234/lit 5	7/18/2011	<i>Palaemon elegans</i>	Frozen	Malamocco	0	37°C	<i>V. parahaemolyticus</i>	<i>P. profundum</i> like
6A	234/lit 6	7/18/2011	<i>Palaemon elegans</i>	Frozen	Malamocco	0	37°C	<i>V. alginolyticus</i>	<i>V. diabolicus</i>
7A	234/lit 7	7/18/2011	<i>Palaemon elegans</i>	Frozen	Malamocco	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
8A	234/lit 8	7/18/2011	<i>Palaemon elegans</i>	Frozen	Malamocco	0	37°C	<i>V. parahaemolyticus</i>	<i>P. profundum</i> like
9A	268/ITT 1	9/8/2011	<i>Squilla mantis</i>	Fresh	Alto Adriatico-Grado	2	37°C	<i>P. damsela</i> <i>damsela</i> ^a	didn't amplify with <i>gyrB</i> and <i>atpA</i>
10A	268/ITT 2	9/8/2011	<i>Squilla mantis</i>	Fresh	Alto Adriatico-Grado	2	37°C	<i>V. agarivorans</i> *	didn't amplify with <i>atpA</i>
11A	268/ITT 3	9/8/2011	<i>Squilla mantis</i>	Fresh	Alto Adriatico-Grado	2	37°C	<i>V. tubiashii</i>	<i>V. brasiliensis</i>
12A	268/ITT 4	9/8/2011	<i>Squilla mantis</i>	Fresh	Alto Adriatico-Grado	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
13A	268/ITT 5	9/8/2011	<i>Squilla mantis</i>	Fresh	Alto Adriatico-Grado	0	37°C	<i>V. alginolyticus</i> *	didn't amplify with <i>atpA</i>
14A	268/ITT 6	9/8/2011	<i>Squilla mantis</i>	Fresh	Alto Adriatico-Grado	0	37°C	<i>V. alginolyticus</i> *	didn't amplify with <i>atpA</i>
15A	268/ITT 7	9/8/2011	<i>Squilla mantis</i>	Fresh	Alto Adriatico-Grado	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
16A	268/ITT 8	9/8/2011	<i>Squilla mantis</i>	Fresh	Alto Adriatico-Grado	2	37°C	<i>V. alginolyticus</i>	<i>Vibrio</i> sp. 16A
17A	269/ITT 1	9/8/2011	<i>Crangon crangon</i>	Fresh	Laguna Nord di venezia	2	37°C	<i>V. alginolyticus</i>	<i>V. parahaemolyticus</i>
18A	269/ITT 2	9/8/2011	<i>Crangon crangon</i>	Fresh	Laguna Nord di venezia	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>

19A	269/ITT 3	9/8/2011	<i>Crangon crangon</i>	Fresh	Laguna Nord di venezia	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
20A	269/ITT 4	9/8/2011	<i>Crangon crangon</i>	Fresh	Laguna Nord di venezia	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
21A	269/ITT 5	9/8/2011	<i>Crangon crangon</i>	Fresh	Laguna Nord di venezia	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
22A	269/ITT 6	9/8/2011	<i>Crangon crangon</i>	Fresh	Laguna Nord di venezia	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
23A	270/ITT 1	9/8/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	2	37°C	<i>V. parahaemolyticus</i>	Harveyi group
24A	270/ITT 2	9/8/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
25A	270/ITT 3	9/8/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	0	37°C	<i>V. parahaemolyticus</i>	<i>P. profundum</i> like
26A	270/ITT 4	9/8/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	0	37°C	<i>V. parahaemolyticus</i>	<i>Vibrio</i> sp. 26A
27A	270/ITT 5	9/8/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	2	37°C	<i>V. parahaemolyticus</i>	Harveyi group
28A	270/ITT 6	9/8/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	2	37°C	<i>Vibrio</i> spp.*	didn't amplify with <i>gyrB</i> and <i>recA</i>
29A	270/ITT 7	9/8/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	2	37°C	<i>V. alginolyticus</i>	<i>V. parahaemolyticus</i>
30A	270/ITT 8	9/8/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	2	37°C	<i>P. damsela</i> <i>damsela</i>	Harveyi group
31A	271/ITT 1	9/8/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna Nord di venezia (Campalto)	2	37°C	<i>V. parahaemolyticus</i>	Harveyi group
32A	271/ITT 2	9/8/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna Nord di venezia (Campalto)	2	37°C	<i>Vibrio</i> spp.	<i>V. diabolicus</i>
33A	271/ITT 3	9/8/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna Nord di venezia (Campalto)	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
34A	271/ITT 4	9/8/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna Nord di venezia (Campalto)	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
35A	271/ITT 5	9/8/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna Nord di venezia (Campalto)	2	37°C	<i>Vibrio</i> spp.	Harveyi group
36A	271/ITT 6	9/8/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna Nord di venezia (Campalto)	2	37°C	<i>Vibrio</i> spp.	<i>V. parahaemolyticus</i>

37A	277/ITT 1	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.41	2	37°C	<i>V. alginolyticus</i>	<i>V. diabolicus</i>
38A	277/ITT 2	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.41	2	37°C	<i>Vibrio sp.</i>	<i>V. diabolicus</i>
39A	277/ITT 3	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.41	2	37°C	<i>Vibrio sp.</i>	<i>V. diabolicus</i>
40A	277/ITT 4	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.41	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
41A	277/ITT 5	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.41	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
42A	277/ITT 6	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.41	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
43A	278/ITT 1	9/8/2011	<i>Penaeus vannamei</i>	Thawed	Oceano pacifico FAO n.8	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
44A	278/ITT 2	9/8/2011	<i>Penaeus vannamei</i>	Thawed	Oceano pacifico FAO n.9	2	37°C	<i>V. alginolyticus</i>	<i>V. diabolicus</i>
45A	278/ITT 3	9/8/2011	<i>Penaeus vannamei</i>	Thawed	Oceano pacifico FAO n.8	2	37°C	<i>V. alginolyticus</i>	<i>V. alginolyticus</i>
46A	278/ITT 4	9/8/2011	<i>Penaeus vannamei</i>	Thawed	Oceano pacifico FAO n.8	2	37°C	<i>Vibrio sp.</i>	<i>V. alginolyticus</i>
47A	278/ITT 5	9/8/2011	<i>Penaeus vannamei</i>	Thawed	Oceano pacifico FAO n.8	2	37°C	<i>V. alginolyticus</i>	<i>Vibrio sp.</i> 26A
48A	278/ITT 6	9/8/2011	<i>Penaeus vannamei</i>	Thawed	Oceano pacifico FAO n.10	2	37°C	<i>Vibrio sp.*</i>	didn't amplify with <i>atpA</i>
49A	279/ITT 2	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.41	0	37°C	<i>Vibrio sp.</i>	<i>Vibrio sp.</i> 49A
50A	279/ITT 3	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.43	0	37°C	<i>Vibrio sp.*</i>	didn't amplify with <i>pyrH</i> and <i>recA</i>
51A	279/ITT 4	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.44	0	37°C	<i>Vibrio sp.</i>	<i>Vibrio sp.</i> 49A

52A	279/ITT 5	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.44	2	37°C	<i>Vibrio sp.</i>	<i>Vibrio sp.</i> 52A
53A	279/ITT 9	9/8/2011	<i>Hymenopenaeus muelleri</i>	Thawed	Atlantico sud occidentale FAO n.45	2	37°C	<i>Vibrio sp.</i>	<i>Vibrio sp.</i> 52A
54A	314/ITT 5	9/23/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	0	37°C	<i>Vibrio sp.</i>	<i>Shewanella spp.</i> as <i>atpA</i>
55A	314/ITT 6	9/23/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	0	37°C	<i>Vibrio sp.</i>	<i>Shewanella spp.</i> as <i>atpA</i>
56A	314/ITT 7	9/23/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	0	37°C	<i>Vibrio sp.</i>	<i>V. diabolicus</i>
57A	314/ITT 9	9/23/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	2	37°C	<i>V. parahaemolyticus</i>	<i>V.</i> <i>parahaemolyticus</i>
58A	314/ITT 10	9/23/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	2	37°C	<i>Vibrio sp.</i>	<i>V. diabolicus</i>
59A	314/ITT 18	9/23/2011	<i>Palaemon elegans</i>	Fresh	Comacchio-Goro	2	22°C	<i>V. parahaemolyticus</i>	<i>V.</i> <i>parahaemolyticus</i>
60A	341/ITT 1	10/12/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>V.</i> <i>parahaemolyticus</i>
61A	341/ITT 2	10/13/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>V.</i> <i>parahaemolyticus</i>
62A	341/ITT 4	10/14/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>V.</i> <i>parahaemolyticus</i>
63A	341/ITT 6	10/15/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>V.</i> <i>parahaemolyticus</i>
64A	341/ITT 7	10/16/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>V.</i> <i>parahaemolyticus</i>
65A	341/ITT 8	10/17/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>V.</i> <i>parahaemolyticus</i>
66A	341/ITT 9	10/18/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>V.</i> <i>parahaemolyticus</i>
67A	341/ITT 10	10/19/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>V.</i> <i>parahaemolyticus</i>
68A	341/ITT 11	10/20/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>Shewanella spp.</i> as <i>atpA</i>

69A	341/ITT 12	10/21/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
70A	341/ITT 14	10/23/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	0	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
71A	341/ITT 15	10/24/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
72A	341/ITT 16	10/25/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
73A	341/ITT 19	10/25/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
74A	341/ITT 20	10/25/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
75A	341/ITT 21	10/25/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
76A	341/ITT 22	10/25/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
77A	341/ITT 24	10/25/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
78A	341/ITT 25	10/25/2011	<i>Carcinus aestuarii</i>	Fresh	Laguna centrale di Venezia (Fusina)	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
79A	378/ITT 1	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	2	37°C	<i>Vibrio sp.*</i>	didn't amplify with <i>recA</i>
80A	378/ITT 2	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	0	37°C	<i>L. anguillarum</i>	<i>V. anguillarum</i>
81A	378/ITT 3	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	0	37°C	<i>V. splendidus</i>	<i>Vibrio sp.</i> 81A
82A	378/ITT 4	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	0	37°C	<i>Vibrio sp.</i>	<i>V. splendidus</i>
83A	378/ITT 5	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	2	37°C	<i>Vibrio sp.</i>	<i>V. splendidus</i>
84A	378/ITT 6	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	0	37°C	<i>L. pelagius</i>	<i>V. splendidus</i>
85A	378/ITT 7	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	2	37°C	<i>Vibrio sp.</i>	<i>V. anguillarum</i>
86A	378/ITT 8	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	0	37°C	<i>Vibrio sp.</i>	<i>V. anguillarum</i>
87A	378/ITT 9	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	0	37°C	<i>Vibrio sp.</i>	<i>V. splendidus</i>
88A	378/ITT 10	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	0	37°C	<i>Vibrio sp.</i>	<i>V. splendidus</i>

89A	144/ITT 1	6/8/2011	<i>Carcinus aestuarii</i>	Fresh	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
90A	144/ITT 2	6/8/2011	<i>Carcinus aestuarii</i>	Fresh	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>Shewanella</i> spp. as <i>atpA</i>
91A	144/ITT 4	6/8/2011	<i>Carcinus aestuarii</i>	Fresh	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>Shewanella</i> spp. as <i>atpA</i>
92A	144/ITT 5	6/8/2011	<i>Carcinus aestuarii</i>	Fresh	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
93A	144/ITT 7	6/8/2011	<i>Carcinus aestuarii</i>	Fresh	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
94A	144/ITT 8	6/8/2011	<i>Carcinus aestuarii</i>	Fresh	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>Vibrio</i> sp. 94A
95A	144/ITT 9	6/8/2011	<i>Carcinus aestuarii</i>	Fresh	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>Shewanella</i> spp. as <i>atpA</i>
96A	144/ITT 11	6/8/2011	<i>Carcinus aestuarii</i>	Fresh	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>Shewanella</i> spp. as <i>atpA</i>
97A	144/ITT 12	6/8/2011	<i>Carcinus aestuarii</i>	Fresh	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
98A	144/ITT 13	6/8/2011	<i>Carcinus aestuarii</i>	Fresh	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
99A	156/ITT 1	6/8/2011	<i>Carcinus aestuarii</i>	Frozen	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
100A	156/ITT 2	6/8/2011	<i>Carcinus aestuarii</i>	Frozen	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
101A	156/ITT 3	6/8/2011	<i>Carcinus aestuarii</i>	Frozen	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
102A	156/ITT 4	6/8/2011	<i>Carcinus aestuarii</i>	Frozen	laguna Ca'Ravagnan	2	37°C	<i>V. parahaemolyticus</i>	<i>V. alginolyticus</i>
103A	215/ITT 1	7/20/2011	<i>Palaemon elegans</i>	Fresh	Malamocco	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
104A	215/ITT 5	7/20/2011	<i>Palaemon elegans</i>	Fresh	Malamocco	2	37°C	<i>V. parahaemolyticus</i>	<i>V. alginolyticus</i>
105A	215/ITT 7	7/20/2011	<i>Palaemon elegans</i>	Fresh	Malamocco	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>
106A	215/ITT 8	7/20/2011	<i>Palaemon elegans</i>	Fresh	Malamocco	2	37°C	<i>V. parahaemolyticus</i>	<i>V. parahaemolyticus</i>

107A	365/ITT 3	12/20/2011	<i>Squilla mantis</i>	Fresh	Nord Adriatico Caorle	2	37°C	<i>L. anguillarum</i>	<i>V. parahaemolyticus</i>
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(9A, 10A, 13A, 14A, 28A, 48A, 50A and 79A) these 8 didn't amplify with *gyrB*, *pyrH*, *recA* or *atpA*;
and (54A, 55A, 68A, 90A, 91A, 95A and 96A) these 7 strains amplified only with *atpA* gene and identified as *Shewanella* spp. by BLAST search.

^a Genus biomolecular identification: *Photobacterium*

* Genus biomolecular identification: *Vibrio*

Table S2: Reference/Type strains included in the MLSA analyses

Serial number	Species name	We sequenced	Sequences downloaded from NCBI				
			Strain code	Accession numbers			
				gyrB	pyrH	recA	atpA
1	<i>Vibrio alginolyticus</i>	ATCC 17749 ^T	Strain 40B	ACZB01000013	ACZB01000030	ACZB01000012	ACZB01000013
2	<i>Vibrio anguillarum</i>	ATCC 43305	Strain 775	NC_015633	NC_015633	NC_015633	NC_015633
3	<i>Vibrio brasiliensis</i>	-	LMG 20546 ^T	AEVS01000075	AEVS01000115	AEVS01000055	AEVS01000057
4	<i>Vibrio campbellii</i>	CECT 523 ^T	-				
5	<i>Vibrio chagasii</i>	LMG 21353 ^T	-				
6	<i>Vibrio cholerae</i>	-	O1 biovar El Tor str. N 16961	NC_002505	NC_002505	NC_002505	NC_002505
7	<i>Vibrio diabolicus</i>	LMG 23867	-				
8	<i>Vibrio fischeri</i>	-	Strain ES 114	NC_006840	NC_006840	NC_006840	NC_006840
9	<i>Vibrio fluvialis</i>	ATCC 33809 ^T	-				
10	<i>Vibrio furnissii</i>	-	NCTC 11218	NC_016602	NC_016602	NC_016602	NC_016602
			BAA-1116 ^T	NC_009783	NC_009783	NC_009783	NC_009783
11	<i>Vibrio harveyi</i> *	ATCC 14126 ^T	Strain HY01	AAWP01000066	AAWP01000277	AAWP01000115	AAWP01000035
			Strain 1DA3	ACZC01000040	ACZC01000013	ACZC01000012	ACZC01000017
12	<i>Vibrio mediterranei</i>	CECT 621 ^T	-				
13	<i>Vibrio mimicus</i>	-	Strain VM 603	ACYU01000116	ACYU01000183	ACYU01000010	ACYU01000044
14	<i>Vibrio orientalis</i>	CECT 629 ^T	-				
15	<i>Vibrio owensii</i>	LMG 25443 ^T	-				
16	<i>Vibrio parahaemolyticus</i>	ATCC 17802 ^T , ATCC 43996	RIMD 2210633	NC_004603	NC_004603	NC_004603	NC_004603
17	<i>Vibrio rotiferianus</i>	LMG 21460 ^T	-				
18	<i>Vibrio shilonii</i>	LMG 19703 ^T	-				
19	<i>Vibrio splendidus</i>	LMG 19031 ^T	LGP 32	FM954972	FM954972	FM954972	FM954972
20	<i>Vibrio vulnificus</i>	ATCC 27562 ^T	-				
21	<i>Photobacterium profundum</i>	-	Strain SS9	CR378663	CR378672	CR378673	CR378674

Total 29 reference strains (21 species) included in the analyses with one *P. profundum* as outgroup.

* Lin *et al.* (2010) identified strains BAA-1116 and HY01 as *Vibrio campbellii* by Comparative genomic analyses.