Table S1: Biochemical test for 24 marine strains. API 20E Test (bioMérieux Inc., Durham, NC) – Oxidase and Catalase – L,L DAP (*Actinobacteria*). The test shows the presence of: **ONPG**: β-galactosidase; **ADH**: arginine-dihydrolase; **LDC**: lysine decarboxylase; **ODC**: ornithine decarboxylase. **CIT**: citrate utilization. Production of: **H₂S**, **URE**: Urease, **TDA**: tryptophan deaminase, **IND**: indole, **VP**: acetoin, **GEL**: gelatinase. Other biochemical characteristics such as fermentation or oxidation of sugars (**GLU**: glucose, **MAN**: manitol, **INO**: inositol, **SOR**: sorbitol, **RHA**: rhamnose, **SAC**: sucrose, **MEL**: melibiose, **AMY**:amygdalin and **ARA**:arabinose It also shows the reduction of nitrates to nitrites.

TEST/ Strain	ONPG	ADH	LDC	ODC	CIT	H₂S	URE	TDA	IND	VP	GEL	GLU	MAN	INO	SOR	RHA	SAC	MEL	AMY	ARA	NO₂	oxidase	catalase	L,L DAP
143	+	+	+	-	-	-	+	+	-	+	+	-	-	-	-	-	-	-	+	-	+	+	+	+
144	+	+	-	-	-	-	-	+	-	+	+	-	-	-	-	-	-	-	+	-	+	+	+	+
161A	+	+	-	-	+	-	+	+	-	+	+	-	-	-	-	-	-	-	+	+	-	+	+	+
161B	+	-	-	+	+	-	+	+	-	-	+	-	+	-	-	-	-	-	-	-	-	-	-	+
25	+	-	-	-	-	-	+	+	-	+	+	-	+	+	-	-	-	+	-	+	-	+	+	-
184	+	-	-	-	-	-	+	+	-	-	+	+	-	-	-	-	-	-	-	-	-	+	+	+
208	+	-	-	+	-	-	+	+	-	+	+	-	-	-	-	-	-	-	+	-	-	+	+	+
102N	-	+	+	-	-	+	-	+	-	+	+	+	-	-	-	-	+	+	+	+	+	+	+	-
13	-	+	-	-	-	-	+	+	-	+	+	+	+	-	-	-	-	-	+	-	-	+	+	+
144A	-	+	-	-	-	-	-	+	-	+	+	-	-	-	-	-	+	-	-	-	-	+	+	+

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
148	-	+	-	+	-	-	-	+	-	-	+	+	-	-	-	-	-	-	+	+	-	+	+
149	-	+	-	-	-	-	-	+	-	+	+	-	-	-	-	-	+	-	-	+	+	+	+
149A	-	+	-	-	+	-	-	+	-	+	+	+	-	-	-	-	+	+	-	+	-	+	+
87	-	-	+	-	+	-	-	+	-	+	+	-	+	-	-	-	-	-	+	-	-	+	+
89.3	-	-	+	-	+	-	-	+	-	+	+	+	+	+	+	+	+	+	-	+	+	+	+
89.4	-	-	+	-	+	-	-	+	-	+	+	+	+	+	+	+	+	+	-	+	+	-	+
6	-	-	-	-	-	-	+	+	-	+	+	+	+	-	-	-	-	-	+	+	-	-	+
46b	-	-	-	-	-	-	+	-	+	+	+	+	+	+	+	+	+	-	+	+	-	+	+
194	-	-	-	-	-	-	+	-	-	+	+	-	-	-	-	+	-	+	+	-	+	+
3	-	-	-	-	-	-	+	+	+	+	+	-	+	+	+	-	+	-	+	-	-	+	+
182	-	-	-	-	-	-	+	-	+	+	-	-	-	-	-	+	-	+	-	-	+	+
145	-	-	-	-	-	-	+	-	+	+	-	-	-	-	-	-	+	-	+	+	+
5	-	-	-	-	-	-	+	-	+	+	+	+	+	+	+	-	+	-	+	-	+	+	+
9	-	-	-	-	-	-	+	-	+	+	+	+	+	+	+	-	+	-	+	-	+	+	+