

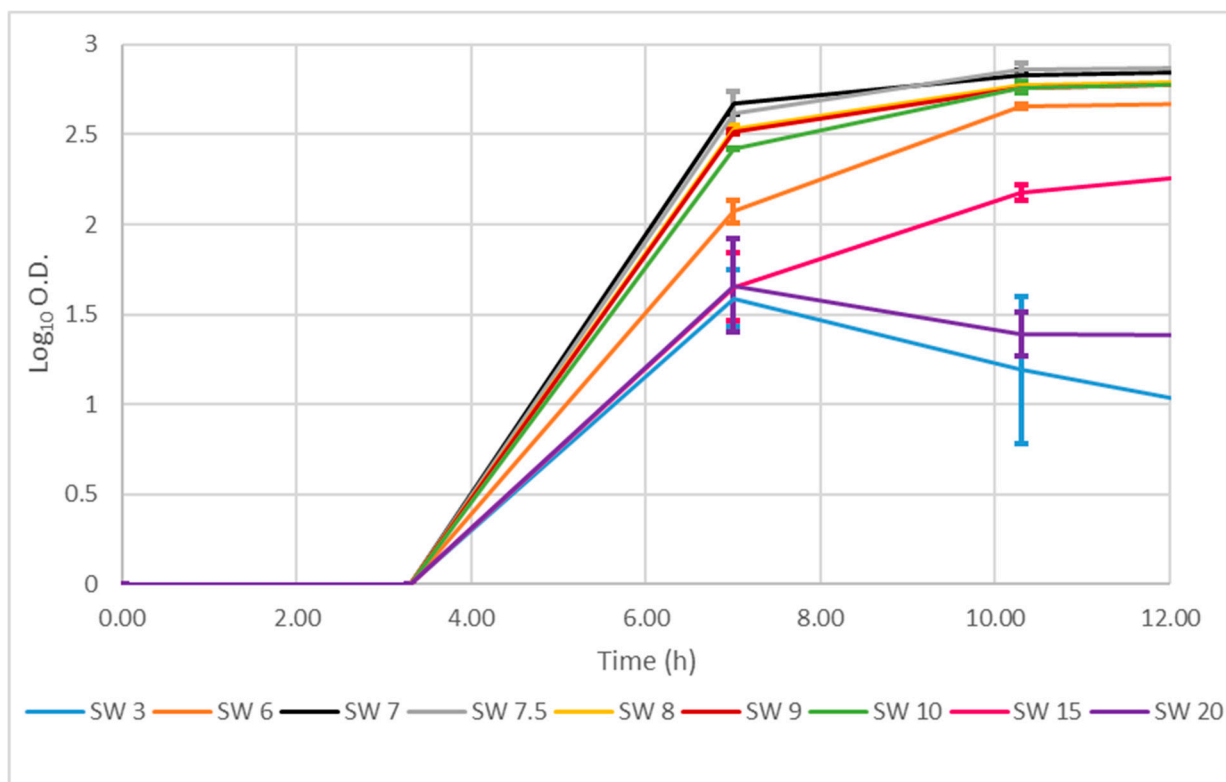
Table S1. Genomes of the type strains of species of the genus *Salinivibrio* available in GenBank database used in this study, including their basic statistical information.

Strain designation	Assembly no.	Completeness level	Size (Mb)	G + C (mol%)	Scaffolds	CDS
<i>Salinivibrio costicola</i> subsp. <i>costicola</i> LMG 11651 ^T	GCA_000565345.1	Contig	3.38	49.3	202	2332
<i>Salinivibrio costicola</i> subsp. <i>alcaliphilus</i> DSM 16359 ^T	GCA_001996185.1	Contig	3.38	49.3	248	2949
<i>Salinivibrio kushneri</i> AL184 ^T	CP040021, CP040022	Complete	3.44	50.7	1	3055
<i>Salinivibrio proteolyticus</i> DSM 19052 ^T	GCA_001996165.1	Contig	3.6	49.8	51	3234
<i>Salinivibrio sharmensis</i> DSM 18182 ^T	GCA_001995985.1	Contig	3.33	50.3	40	2944
<i>Salinivibrio siamensis</i> JCM 14472 ^T	GCA_001996005.1	Contig	3.44	50.4	61	3025
<i>Salinivibrio soccompensis</i> S35 ^T	GCA_000513715.1	Contig	3.41	49.5	270	2311

Table S2. Cellular fatty acids composition (%) of strain S35^T and the type strain of species and subspecies of the genus *Salinivibrio*.

Fatty acids (%)	1	2 ^a	3 ^a	4 ^a	5 ^a	6 ^a	7
C _{12:0}	4.9	7.6	10.5	6.7	12.7	3.1	3.5
C _{12:0} 3OH	4.3	-	-	-	-	-	2.4
C _{14:0}	1.0	3.7	2.8	7.1	9.8	4.7	2.1
Summed feature 2 [*]	4.4	-	-	-	-	-	2.7
C _{16:0}	20.8	19.8	27.8	21.6	29.2	54.0	23.8
C _{16:1}	N.D.	29.6	37.3	24.0	12.8	26.0	N.D.
C _{16:1} ω 9 _c	3.0	-	-	-	-	-	N.D.
Summed feature 3 [*]	26.2	-	-	-	-	-	43.8
C _{17:0} cyclo	8.0	-	-	-	-	-	N.D.
C _{18:0}	4.2	2.7	7.9	3.1	1.9	1.8	2.6
C _{18:1}	N.D.	31.2	12.7	33.7	14.5	9.1	N.D.
C _{18:1} ω 9 _c	2.9	-	-	-	-	-	1.1
Summed feature 8 [*]	14.4	-	-	-	-	-	13.1

1. Strain S35^T; 2. *S. costicola* subsp. *costicola* DSM 11403^T; 3. *S. costicola* subsp. *alcaliphilus* DSM 16359^T; 4. *S. proteolyticus* DSM 19052^T; 5. *S. siamensis* JCM 14472^T; 6. *S. sharmensis* DSM 18182^T; 7. *S. kushneri* AL184^T.^a Romano et al. [19]. Values lower than 1.0% are not shown. N.D., Not detected. -, Data not available.



*Summed features refer to those fatty acids with imperfect peak separation by gas chromatography. Summed feature 2 comprised $C_{14:0}$ 3OH and $C_{16:1}$ iso, summed feature 3 comprised $C_{16:1}$ $\omega 7c$ and $C_{16:1}$ $\omega 6c$ and summed feature 8 comprised $C_{18:1}$ $\omega 7c$ and/or $C_{18:1}$ $\omega 6c$.

Figure S1. Growth curve for strain S35^T at different salt concentrations. Culture media had the same composition than the medium used for routinely growth at 3, 6, 7, 7.5, 8, 9, 10, 15 and 20% (w/v) total salt, respectively.

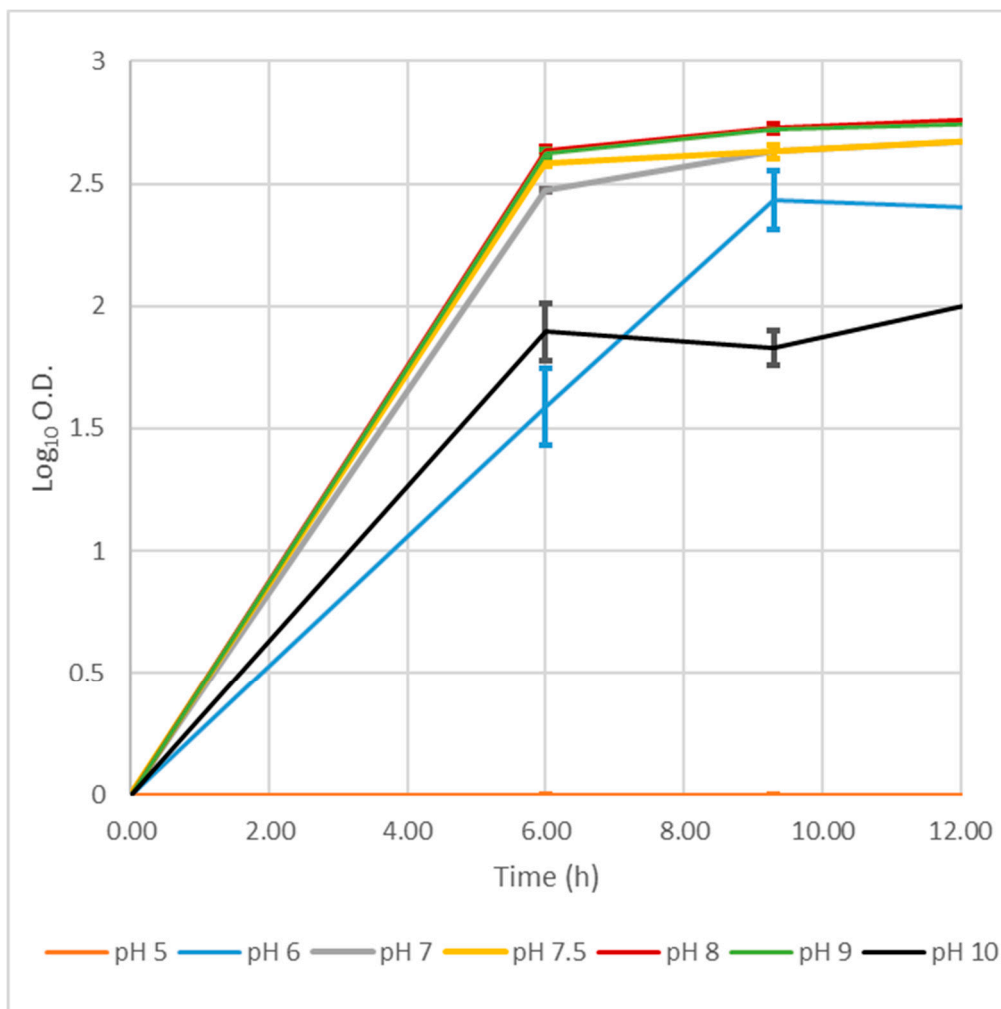


Figure S2. Growth curve for strain S35^T at different pH values. Culture media had the same composition than the medium used for routinely growth and the pH was adjusted to 5, 6, 7, 7.5, 8, 9 and 10, respectively.