

Table S4. Cellular fatty acid compositions (%) of strains W99^T, S113^T, and S268^T and closely related type strains

Taxa: 1, strain W99^T; 2, strain S113^T; 3, strain S268^T; 4, *Shimia aestuarii* DSM 15283^T; 5, *Thiosulfatihalobacter marinus* GL-11-2^T; 6, *Marinovum algicola* FF3^T; 7, *Primorskyibacter aestuariivivens* OITF-36^T. All data were obtained in this study. Values are expressed as percentages of the total fatty acids. Fatty acids accounting for less than 1.0% in all strains are omitted. Major fatty acids (> 5.0%) are shown in bold. Symbols: tr, trace (< 1.0%); –, not detected.

Fatty acid	1	2	3	4	5	6	7
Saturated:							
C _{10:0}	–	–	–	–	2.2	tr	tr
C _{12:0}	tr	1.9	1.1	11.4	24.0	18.1	27.2
C _{16:0}	4.7	5.7	3.1	3.1	5.5	2.1	2.3
C _{17:0}	1.0	1.8	1.5	tr	–	–	tr
C _{18:0}	1.7	3.2	4.3	1.2	1.9	1.9	1.1
Unsaturated:							
C _{14:1} <i>ω</i> 5 <i>c</i>	1.4	1.6	2.2	–	–	–	–
iso-C _{17:1} <i>ω</i> 10 <i>c</i>	–	–	–	–	–	–	1.2
11-methyl C _{18:1} <i>ω</i> 7 <i>c</i>	8.5	–	6.6	4.0	5.6	4.6	–
cyclo-C _{19:0} <i>ω</i> 8 <i>c</i>	–	–	25.2	–	8.4	–	–
C _{20:1} <i>ω</i> 7 <i>c</i>	tr	–	1.3	tr	tr	1.0	–
Branched:							
iso-C _{10:0}	2.8	4.7	–	–	–	–	tr
iso-C _{19:0}	–	1.3	–	–	–	–	tr
Hydroxy:							
C _{8:0} 3-OH	tr	1.2	–	–	–	–	–
C _{10:0} 2-OH	–	–	1.5	–	–	–	–
C _{10:0} 3-OH	2.2	–	–	1.9	–	tr	tr
C _{11:0} 2-OH	–	–	1.1	–	–	–	–
C _{12:0} 3-OH	tr	–	–	–	4.1	tr	–
iso-C _{12:0} 3-OH	tr	2.6	–	tr	–	–	tr
C _{16:0} 2-OH	2.7	–	–	3.5	–	–	–
iso-C _{17:0} 3-OH	–	3.1	1.9	–	–	–	tr
Summed feature*:							
3 (C _{16:1} <i>ω</i> 7 <i>c</i> and/or C _{16:1} <i>ω</i> 6 <i>c</i>)	tr	–	tr	tr	tr	tr	tr
8 (C _{18:1} <i>ω</i> 7 <i>c</i> and/or C _{18:1} <i>ω</i> 6 <i>c</i>)	68.2	56.4	44.1	72.1	41.1	69.2	62.9

*Summed features represent groups of two or more fatty acids that cannot be reliably resolved under the chromatographic conditions used and are therefore reported by the MIDI system as a single feature with one percentage of the total.