Supplementary Table S1. Fatty acid compositions of PV-4^T and *Shewanella aquimarina* JCM 12193^T

Cells of both strains were grown on LB agar plates at 22 °C. Values are percentages of total fatty acids.

Fatty acid	PV-4^T	*S. aquimarina*
Straight-chain fatty acids		
$C_{11:0}$	0·13	0·09
$C_{12:0}$	0·74	0·59
$C_{13:0}$	0·69	0·48
$C_{14:0}$	0·68	0·35
$C_{16:0}$	5·43	2·57
$C_{17:0}$	2·05	0·84
Branched fatty acids		
iso-$C_{11:0}$	0·13	0·23
iso-$C_{13:0}$	9·81	11·96
iso-$C_{14:0}$	1·50	1·43
iso-$C_{15:0}$	36·03	39·47
iso-$C_{16:0}$	0·77	1·19
iso-$C_{17:0}$	3·19	5·42
Unsaturated fatty acids		
$C_{16:1}\omega 9c$	0·55	0·43
$C_{17:1}\omega 6c$	1·04	1·17
$C_{17:1}\omega 8c$	13·05	9·66
$C_{18:1}\omega 7c$	2·70	2·36
$C_{18:1}\omega 9c$	1·31	0·97
Hydroxy fatty acids		
$C_{12:0}$ 3-OH	0·35	0·27
iso-$C_{13:0}$ 3-OH	6·34	9·66
iso-$C_{14:0}$ 3-OH	0·37	0·24
iso-$C_{15:0}$ 3-OH	0·76	0·36
Summed features*		
1	0·62	0·40
2	0·39	0·23
3	9·92	8·02

*Summed features represent groups of two or three fatty acids that could not be separated by GLC with the MIDI system. Summed feature 1 contains $C_{13:0}$ 3-OH and/or iso-$C_{15:1}$; summed feature 2 contains iso-$C_{16:1}$ I and/or $C_{14:0}$ 3-OH; and summed feature 3 contains $C_{16:1}\omega 7c$ and/or iso-$C_{15:0}$ 2-OH.

Gao, H., Obraztova, A., Stewart, N., Popa, R., Fredrickson, J. K., Tiedje, J. M., Nealson, K. H. & Zhou, J. (2006). *Shewanella loihica* sp. nov., isolated from iron-rich microbial mats in the Pacific Ocean. *Int J Syst Evol Microbiol* **56**, 1911–1916.