

**Table S4.** Cellular fatty acids content of *Photobacterium sanctipauli* sp. nov. and related taxa of the genus *Photobacterium*. Taxa: **1**, *P. sanctipauli* (range profile of five strains); **2**, *P. rosenbergii* LMG 22223<sup>T</sup> (Thompson et al. 2005); **3**, *P. gaetbulicola* Gung47<sup>T</sup>; and **4**, *P. lutimaris* LMG 25278<sup>T</sup> (Kim et al. 2010). Summed feature 2 comprises C<sub>12:0</sub> ALDE, iso-C<sub>16:1</sub> I and/or C<sub>14:0</sub> 3-OH and/or an unidentified fatty acid with equivalent chain length of 10.928. Summed feature 3 comprises C<sub>16:1</sub>ω7c and/or iso-C<sub>15</sub> 2-OH. Data are expressed as percentages of total fatty acids. Fatty acids representing <1 % are not shown, except for C<sub>18:0</sub>, because it was represented in all strains with approximately the same intensity

Fatty acids	1	2	3	4
C <sub>12:0</sub>	3.7–4.5	2	1.7	2.4
C <sub>12:0</sub> 3-OH	2.5-3.6	2-3	2.8	2.6
C <sub>14:0</sub>	4.7-5.8	3-4	4.2	2.4
C <sub>15:0</sub> iso	0.6-1.1	2-4	6.9	5
C <sub>16:0</sub> iso	-	1.9	0.4	-
C <sub>16:0</sub>	18.5-21.4	10-15	14	13.1
C <sub>17:0</sub>	1.2-1.6	1	1	-
C <sub>17:0</sub> iso	0.7-1.5	3-6	3.5	1.8
C <sub>17:1</sub> ω8c	0.3-1.1	1	0.6	-
C <sub>18:0</sub>	0.5-0.7	-	-	-
C <sub>18:1</sub> ω6c	0-3.3	-	3.1	-
C <sub>18:1</sub> ω7c	7.9-12.7	17-19	10.3	13
Summed feature 2	3.7-4.7	2-3	3.7	3
Summed feature 3	43-45.5	41-44	33.6	43.3

## References

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- Thompson F, Thompson C, Naser S, Hoste B, Vandemeulebroecke K, Munn C, Bourne D, and Swings J. 2005. *Photobacterium rosenbergii* sp. nov. and *Enterovibrio coralii* sp. nov., vibrios associated with coral bleaching. *Int J Syst Evol Microbiol* 55:913-917.