**Supplementary Table** S1. Whole-cell fatty acid composition (%) of strains SBTS01T and W18L9T and related species of *Streptomyces.*

Strain: 1, *Streptomyces spinosus* SBTS01T; 2, *Streptomyces rochei* NRRL B-2410T; 3, *Streptomyces naganishii* NRRL ISP-5282T; 4, *Streptomyces shenzhenensis* subsp. *endophyticus* W18L9T; 5, *Streptomyces shenzhenensis* DSM 42034T; 6, *Streptomyces* *graminisoli*  NBRC 108883T; 7, *Streptomyces* *jiujiangensis*DSM 42115T; 8, *Streptomyces hyaluromycini* DSM 100105T . Only fatty acids detected at more than 0.1 % of the total are presented. -, not detected. All the data are from this study.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Fatty acids** | **1.** | **2.** | **3.** | **4.** | **5.** | **6.** | **7.** | **8.** |
| C12:0 | 0.1 | 0.4 | - | 0.15 | 0.1 | - | 0.8 | - |
| *iso*-C13:0 | 0.1 | - | - | - | - | - | - | - |
| *anteiso*-C13:0 | 0.12 | - | - | - | 0.1 | - | - | - |
| *iso*-C14:0 | 2.4 | 1.1 | 4.0 | 1.6 | 1.6 | 1.2 | 0.9 | 1.3 |
| C14:0 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.6 | 0.8 | 0.4 |
| *iso* G-C15:1 | 0.1 | 0.3 | 0.2 | 0.2 | 0.1 | 0.7 | 2.8 | 0.3 |
| *anteiso* A-C15:1 | - | 0.1 | - | - | - | - | - | - |
| *iso*-C15:0 | 9.3 | 8.6 | 7.9 | 7.7 | 5.3 | 14.4 | 8.2 | 8.1 |
| *anteiso*-C15:0 | 26.6 | 32.5 | 26.5 | 21.8 | 24.6 | 25.9 | 14.8 | 21.6 |
| C15:1 *w8c* | 0.1 | 0.3 | 0.2 | 0.2 | 0.1 | 1.0 | 3.1 | 0.2 |
| C15:1 *w6c* | 0.3 | 1.1 | 1.0 | 0.7 | 0.5 | - | - | 1.0 |
| *iso*-C14:0 3OH | - | - | 0.1 | 0.1 | 0.1 | 0.6 | 2.9 | 0.2 |
| C16:1 w7c alcohol | - | - | - | - | - | - | 1.8 | - |
| iso-G-C16:1 | - | - | - | - | - | - | 1.1 | - |
| C15:0 N alcohol | - | - | - | - | - | - | 0.6 | - |
| *iso*-H-C16:1 | 1.6 | 1.0 | 2.2 | 3.9 | 4.5 | - | - | 2.2 |
| *iso*-C16:0 | 19.4 | 12.6 | 21.4 | 18.5 | 21.7 | 5.6 | 4.1 | 13.0 |
| C16:1 *w11c* | - | - | - | - | - | 0.7 | - | - |
| *anteiso*-C16:0 | - | - | - | - | - | - | 1.0 | - |
| C16:1 *w5c* | - | - | - | - | - | - | 0.5 | - |
| C16:0 | 4.3 | 5.7 | 2.8 | 3.7 | 2.6 | 13.8 | 10.9 | 9.8 |
| *anteiso* A-C17:1 | - | - | - | - | - | - | 1.2 | - |
| *anteiso*-C17:1 *w9c* | 3.4 | 1.4 | 3.1 | 5.0 | 5.8 | 0.7 | - | 4.1 |
| *iso*-C17:0 | 6.1 | 6.0 | 5.3 | 6.0 | 3.6 | 9.4 | 6.7 | 6.4 |
| *anteiso*-C17:0 | 19.1 | 14.3 | 17.3 | 20.9 | 21.1 | 15.5 | 7.8 | 18.3 |
| C17:1 *w8c* | 0.1 | 0.4 | 0.3 | 0.6 | 0.5 | - | 0.8 | 0.7 |
| C17:0 cyclo | 0.5 | 0.4 | - | 0.6 | 0.5 | - | - | 0.7 |
| C17:0 | 0.2 | 0.6 | 0.2 | 0.6 | 0.4 | 1.9 | 1.4 | 0.8 |
| C16:1 2OH | 0.1 | 0.3 | 0.2 | 0.2 | 0.1 | 0.9 | 3.0 | 0.3 |
| *iso*-H C18:1 | 0.4 | 0.5 | 0.5 | 0.8 | 0.7 | 0.7 | 2.5 | 0.7 |
| C18:3 *w6c* | - | - | - | - | - | - | 0.9 | - |
| *iso*-C18:0 | - | 0.5 | 0.5 | 0.9 | 1.1 | - | - | 0.6 |
| C18:1 *w9c* | 0.3 | 0.6 | 0.5 | 0.40 | 0.3 | 1.6 | 4.5 | 1.4 |
| C18:0 | 0.3 | 1.4 | 0.2 | 0.3 | 0.1 | 1.8 | 3.7 | 1.7 |
| C17:0 2OH | - | - | - | - | - | 0.8 | - | - |
| C17:0 3OH | 0.1 | - | - | 0.1 | 0.1 | - | 1.2 | - |
| iso-H C15:1 | - | - | - | 0.3 | - | - | - | - |
| *iso*-C19:0 | - | 0.3 | - | - | - | - | 1.2 | - |
| *anteiso*-C19:0 | - | 0.5 | - | - | - | - |  - |  - |
| C19:0 | - | 0.3 | - | - | - | - | 1.0 | - |
| C20:4 *w6,9,12,15c* | - | - | - | - | - | - | 1.0 | - |
| C18:0 3OH | - | 4.6 | - | - | - | - | 1.7 | - |
| C20:1 *w9c* | - | 0.2 | - | - | - | - | - | - |
| *iso*-C20:0 | - | - | - | - | - | - | 1.9 | - |
| C12:0 aldehyde | - | - | - | - | - | - | 0.8 | - |
| C20:0 | - | 0.6 | - | - | - | - | - | - |
| C16:1 *w7c* | 1.2 | 0.9 | 2.0 | 1.29 | 1.5 | 0.5 | 1.2 | 2.6 |
| *iso* I-C17:1 | - | - | - | - | - | 0.5 | 1.9 | - |
| C18:1 *w7c* | 0.1 | 0.2 | - | 0.19 | 0.1 | - | 1.2 | 0.3 |
| C16:0 10-methyl | 2.7 | 2.2 | 3.6 | 3.3 | 2.7 | - | - | 3.5 |