

Strain info

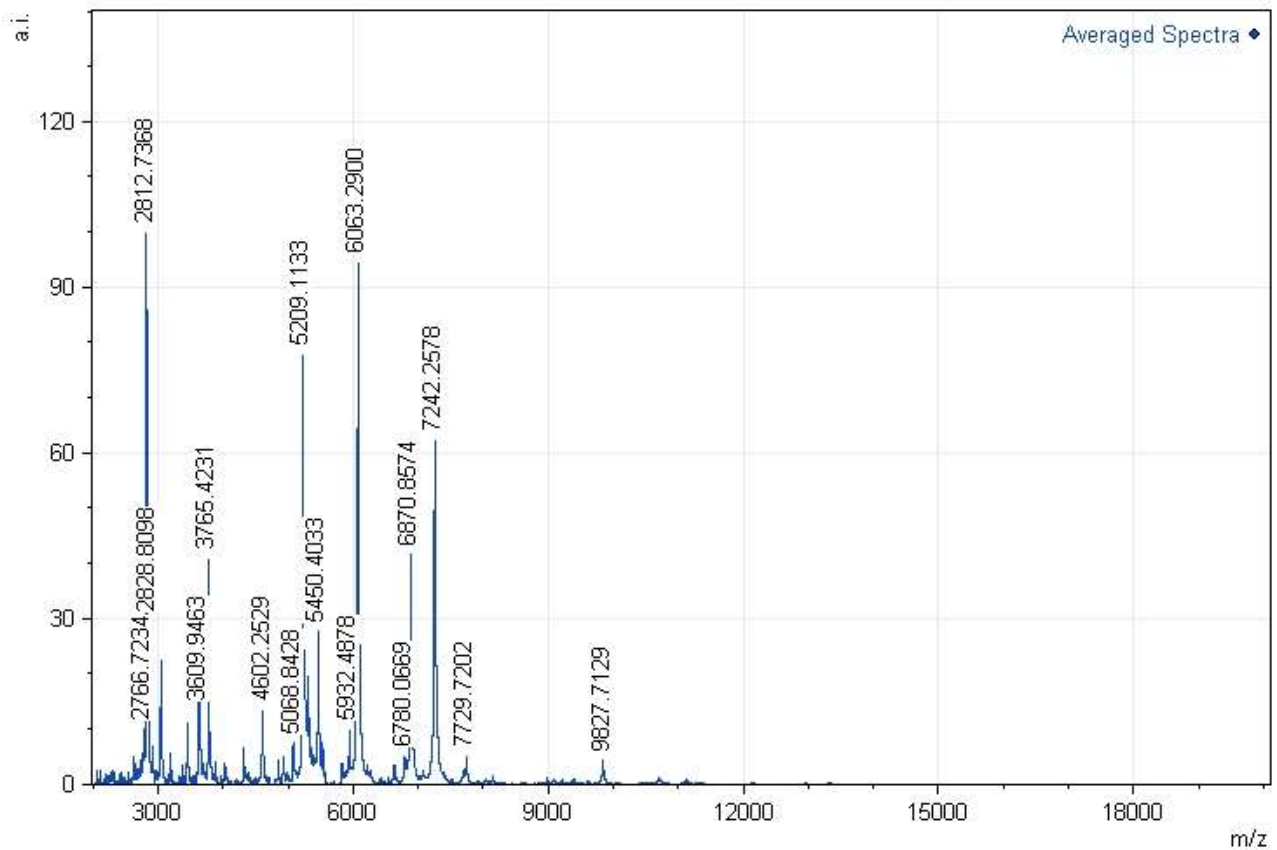
- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** 42(6)w
- 3) **Taxonomy:** *Bacillus pumilus*
- 4) **GenBank:** KP699769
- 5) **Isolated from:** Gorkoye Lake (42), the Novosibirsk region. Water samples. June 2010
- 6) **Growth conditions:** medium - LB, temperature - 37°C, time - 18h
- 7) **Sample preparation:** Ethanol–formic acid extraction

Freiwald, A., & Sauer, S. (2009). Phylogenetic classification and identification of bacteria by mass spectrometry. *Nature Protocols*, 4(5), 732–42. doi:10.1038/nprot.2009.37

- 8) **Instrument:** MALDI TOF Ultraflex III, Bruker Daltonics GmbH

- 9) **Spectrum image:**

Average of 31 spectra



10) Peaks list:

Average of 31 spectra

| Average mass, Da | Average int., % |
|------------------|-----------------|
| 2606.7 | 4.8 |
| 2766.7 | 9.5 |
| 2812.7 | 99.5 |
| 2828.8 | 29.1 |
| 2915.6 | 6.6 |
| 3021.5 | 13.7 |
| 3033.1 | 22.0 |
| 3047.5 | 11.4 |
| 3169.2 | 5.5 |
| 3356.5 | 3.6 |
| 3436.9 | 11.0 |
| 3609.9 | 13.3 |
| 3622.6 | 24.0 |
| 3765.4 | 40.8 |
| 3780.6 | 9.3 |
| 3866.6 | 4.0 |
| 4307.7 | 6.7 |
| 4390.5 | 2.3 |
| 4590.4 | 10.4 |
| 4602.3 | 13.3 |

| Average mass, Da | Average int., % |
|------------------|-----------------|
| 4838.4 | 4.4 |
| 4916.0 | 5.0 |
| 5068.8 | 7.5 |
| 5209.1 | 77.7 |
| 5232.2 | 24.2 |
| 5247.5 | 23.3 |
| 5302.2 | 19.3 |
| 5450.4 | 27.5 |
| 5519.1 | 7.4 |
| 5818.7 | 3.8 |
| 5932.5 | 9.8 |
| 6063.3 | 94.5 |
| 6622.9 | 3.5 |
| 6780.1 | 5.1 |
| 6870.9 | 41.6 |
| 7242.3 | 62.3 |
| 7679.4 | 2.4 |
| 7729.7 | 5.1 |
| 9827.7 | 4.3 |