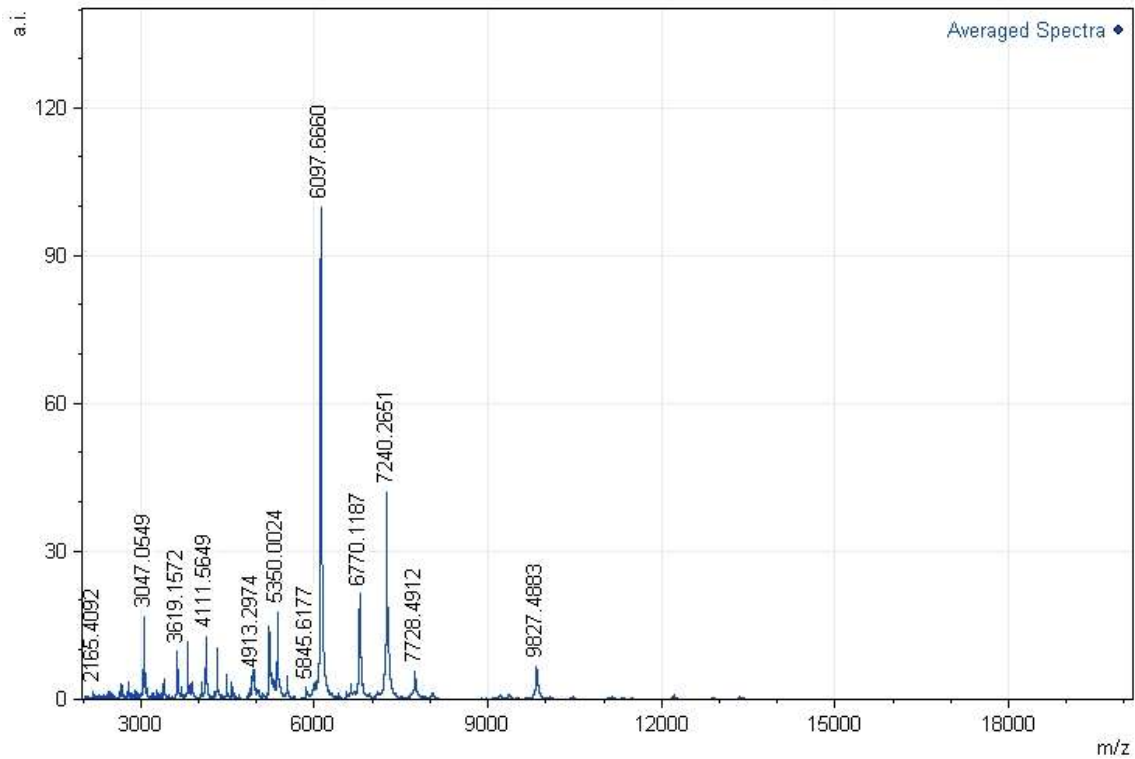


Strain info

- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** Cu1
- 3) **Taxonomy:** *Bacillus altitudinis*
- 4) **GenBank:** KP699779
- 5) **Isolated from:** Novosibirsk reservoir. Rhizosphere of water hyacinth. July 2012
- 6) **Growth conditions:** medium - MPA, 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 36 spectra



10) Peaks list:

Average of 36 spectra

| Average mass, Da | Average int., % |
|------------------|-----------------|
| 2165.4 | 1.6 |
| 2641.5 | 2.9 |
| 2673.7 | 2.6 |
| 2767.3 | 3.3 |
| 3017.4 | 6.0 |
| 3047.1 | 16.8 |
| 3270.7 | 1.8 |
| 3384.5 | 4.2 |
| 3619.2 | 9.7 |
| 3688.9 | 2.6 |
| 3797.6 | 11.7 |
| 3863.0 | 3.1 |
| 3884.8 | 3.5 |
| 4038.3 | 3.3 |
| 4111.6 | 12.7 |
| 4305.8 | 10.5 |
| 4474.2 | 5.0 |

| Average mass, Da | Average int., % |
|------------------|-----------------|
| 4560.5 | 3.6 |
| 4913.3 | 4.6 |
| 4938.9 | 9.2 |
| 5206.2 | 14.7 |
| 5230.2 | 7.1 |
| 5246.8 | 4.7 |
| 5270.3 | 3.9 |
| 5295.8 | 3.6 |
| 5350.0 | 17.6 |
| 5517.6 | 4.6 |
| 5845.6 | 2.5 |
| 6097.7 | 100.0 |
| 6620.8 | 3.1 |
| 6770.1 | 21.4 |
| 7240.3 | 42.1 |
| 7728.5 | 5.8 |
| 9827.5 | 6.7 |