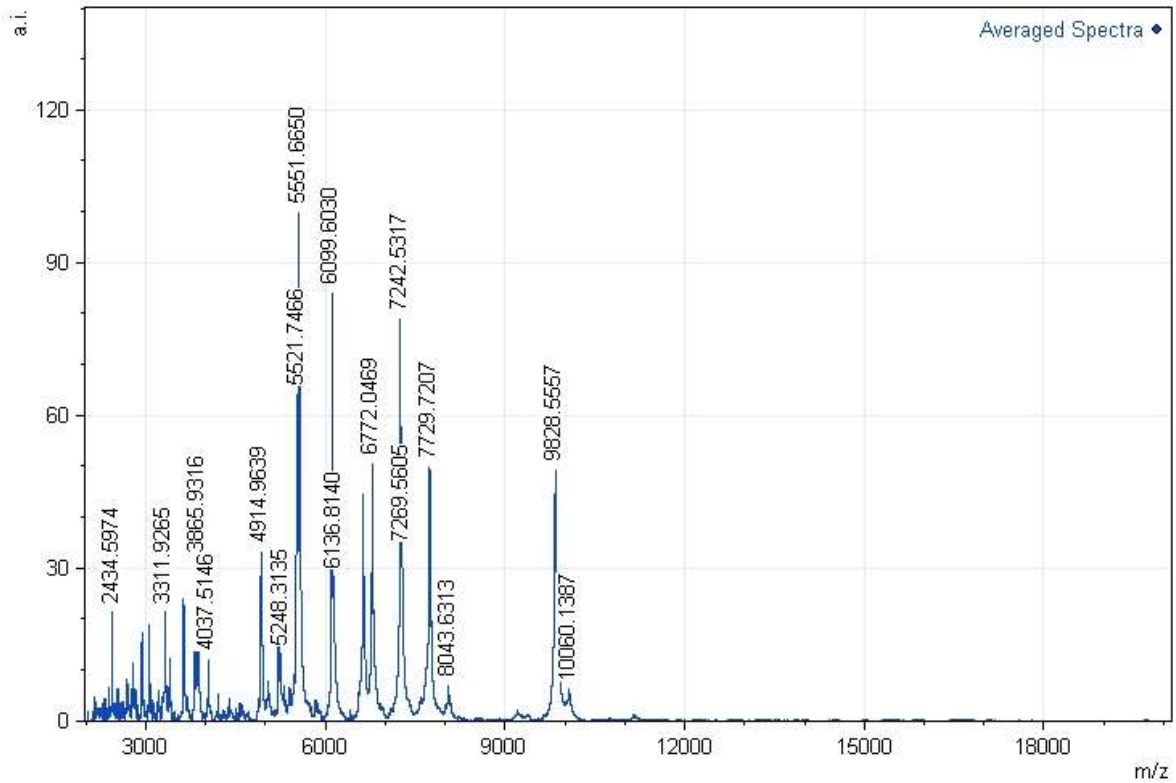


## Strain info

- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** KG16(2)
- 3) **Taxonomy:** *Bacillus altitudinis*
- 4) **GenBank:** KP699780
- 5) **Isolated from:** Valley of Geysers, G-16, Kamchatka. September 2011
- 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 24 spectra



10) Peak list:

Average of 24 spectra

Average mass, Da	Average int., %
2369.3	6.1
2434.6	21.0
2522.2	5.7
2675.6	8.0
2694.6	6.8
2761.6	6.2
2775.2	11.1
2926.6	17.1
3049.5	18.9
3311.9	21.1
3386.7	12.0
3622.0	24.0
3634.3	11.6
3811.5	14.5
3865.9	31.3
4037.5	12.1
4196.2	5.4

Average mass, Da	Average int., %
4915.0	33.2
5208.8	24.5
5248.3	13.0
5508.3	48.3
5521.7	64.2
5551.7	100.0
6099.6	84.2
6136.8	28.4
6623.1	44.3
6772.0	50.3
7242.5	79.0
7269.6	33.8
7729.7	50.0
8043.6	6.9
9828.6	49.4
10060.1	6.3