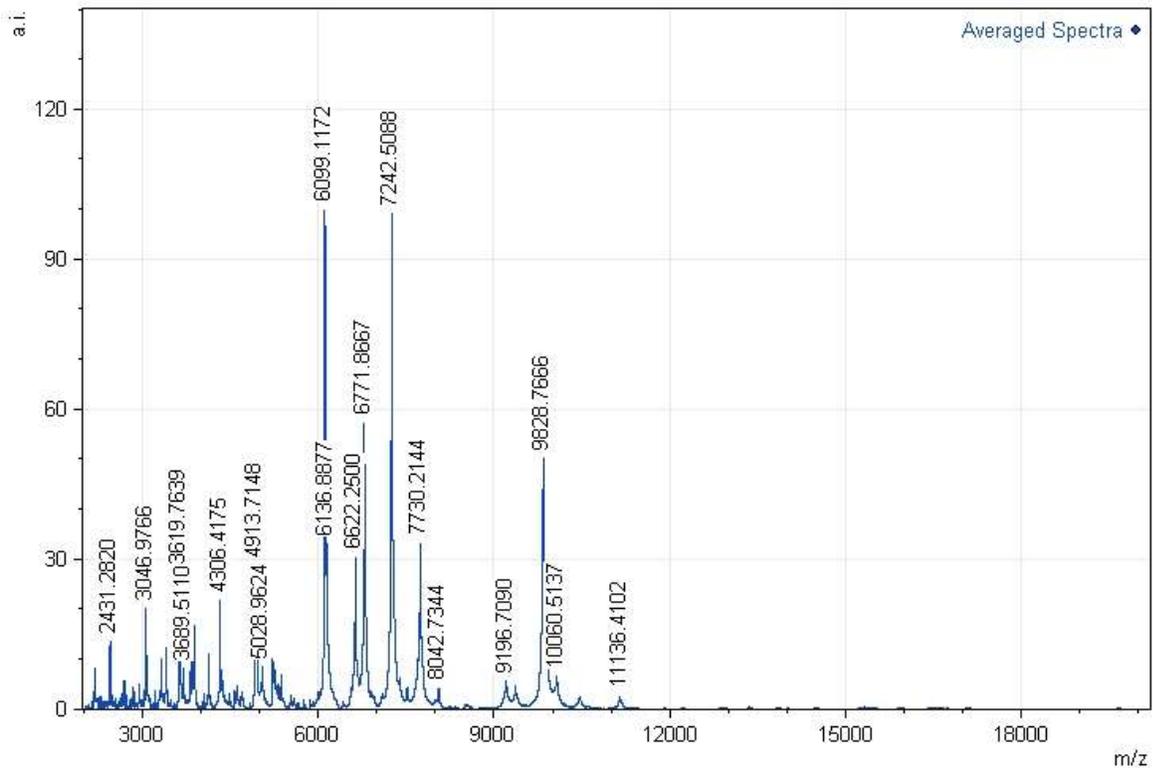


Strain info

- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** KH3
- 3) **Taxonomy:** *Bacillus altitudinis*
- 4) **GenBank:** KP699785
- 5) **Isolated from:** Uzon Caldera, U-skv2, Kamchatka. May 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) Peak list:

Average of 36 spectra

Average mass, Da	Average int., %
2164.5	7.9
2431.3	13.2
2672.6	5.3
2833.6	4.1
2934.9	5.1
3047.0	20.1
3309.5	9.9
3384.0	12.0
3619.8	27.2
3689.5	8.1
3798.5	7.6
3820.9	12.7
3863.5	16.8
4112.1	10.9
4306.4	21.7
4340.7	7.9
4561.6	3.6
4913.7	28.7
4925.6	18.8

Average mass, Da	Average int., %
5029.0	8.4
5207.7	10.0
5245.5	7.9
5350.9	7.0
6099.1	100.0
6136.9	33.1
6622.3	30.2
6771.9	57.1
7242.5	99.2
7730.2	33.3
7757.5	14.7
8042.7	4.1
9196.7	5.6
9354.5	4.8
9828.8	50.1
10060.5	6.5
10453.2	2.6
11136.4	2.6