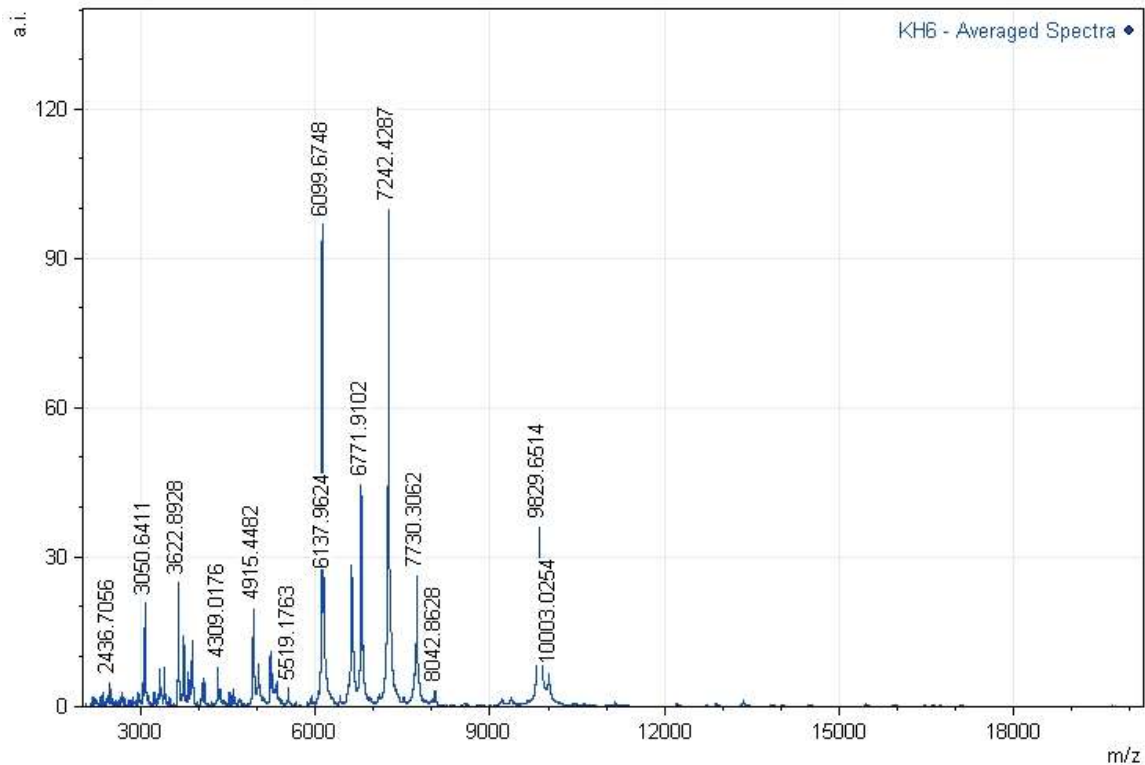


Strain info

- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** KH6
- 3) **Taxonomy:** *Bacillus altitudinis*
- 4) **GenBank:** KP699782
- 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 37 spectra



10) Peak list:

Average of 37 spectra

| Average mass, Da | Average int., % |
|------------------|-----------------|
| 2436.7 | 4.6 |
| 3021.7 | 4.7 |
| 3050.6 | 20.8 |
| 3313.0 | 7.4 |
| 3387.6 | 7.7 |
| 3622.9 | 24.7 |
| 3720.7 | 14.1 |
| 3800.8 | 6.7 |
| 3852.3 | 9.2 |
| 3867.1 | 13.2 |
| 4038.9 | 4.7 |
| 4070.9 | 5.8 |
| 4309.0 | 7.9 |
| 4344.0 | 3.6 |
| 4503.6 | 2.9 |
| 4563.7 | 3.5 |
| 4915.4 | 19.7 |

| Average mass, Da | Average int., % |
|------------------|-----------------|
| 5004.1 | 8.5 |
| 5209.5 | 10.9 |
| 5247.9 | 6.7 |
| 5293.9 | 4.4 |
| 5323.7 | 5.6 |
| 5519.2 | 3.8 |
| 6099.7 | 96.9 |
| 6138.0 | 25.9 |
| 6600.7 | 28.2 |
| 6622.5 | 25.8 |
| 6771.9 | 44.5 |
| 7242.4 | 100.0 |
| 7730.3 | 26.3 |
| 8042.9 | 3.2 |
| 9829.7 | 36.2 |
| 10003.0 | 6.8 |