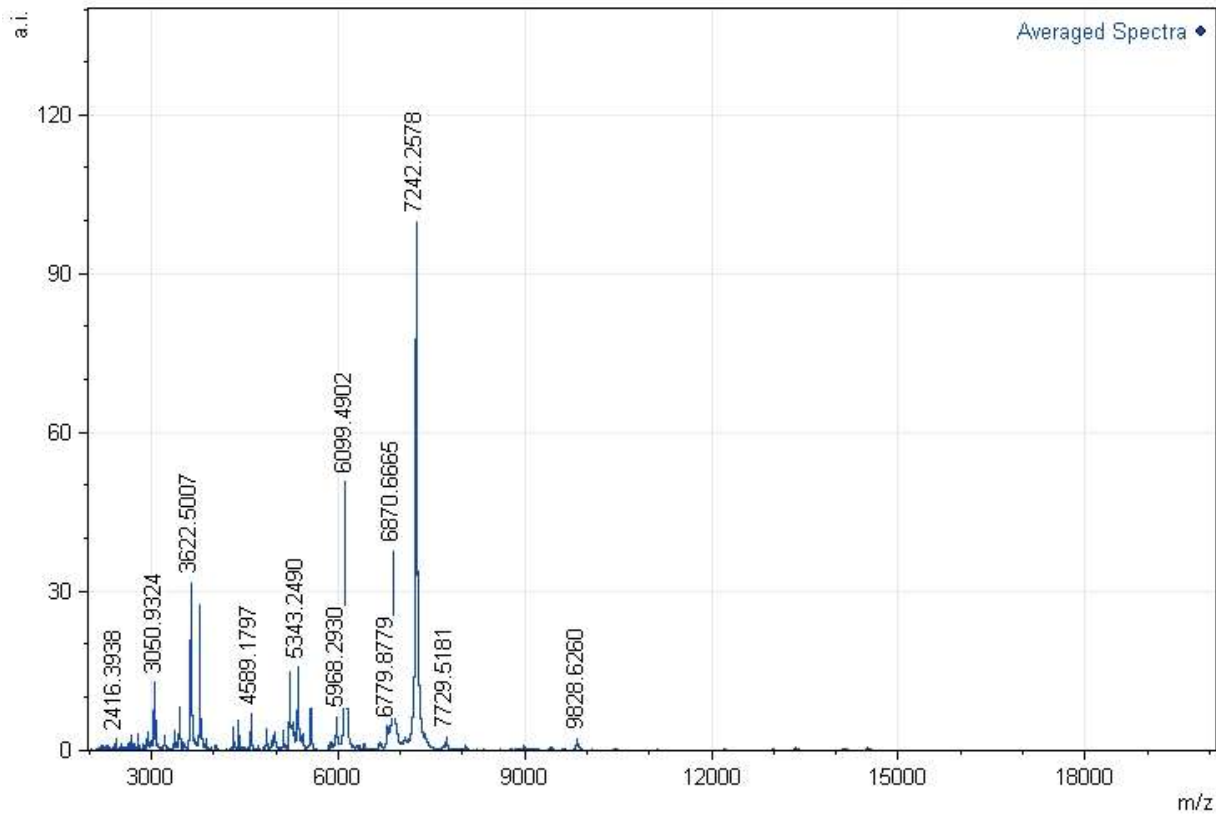


## Strain info

- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** 51(1)il
- 3) **Taxonomy:** *Bacillus pumilus*
- 4) **GenBank:** KP699773
- 5) **Isolated from:** Gorkoye Lake (51), the Novosibirsk region. Bottom sediment. 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 36 spectra



10) Peak list:

Average of 36 spectra

Average mass, Da	Average int., %
2416.4	2.1
2671.9	2.7
2776.6	3.1
2925.1	3.4
3021.2	7.5
3050.9	12.8
3196.1	3.0
3356.9	3.9
3437.2	8.2
3610.2	12.8
3622.5	31.6
3765.6	27.5
4307.8	4.3
4391.1	5.7
4589.2	6.8
4838.1	4.1

Average mass, Da	Average int., %
4914.4	1.8
5108.8	3.9
5209.1	14.6
5248.3	4.8
5274.6	5.2
5343.2	15.6
5416.0	2.9
5549.4	7.7
5968.3	6.3
6099.5	50.6
6779.9	4.6
6870.7	37.6
7242.3	100.0
7729.5	2.6
9828.6	2.2