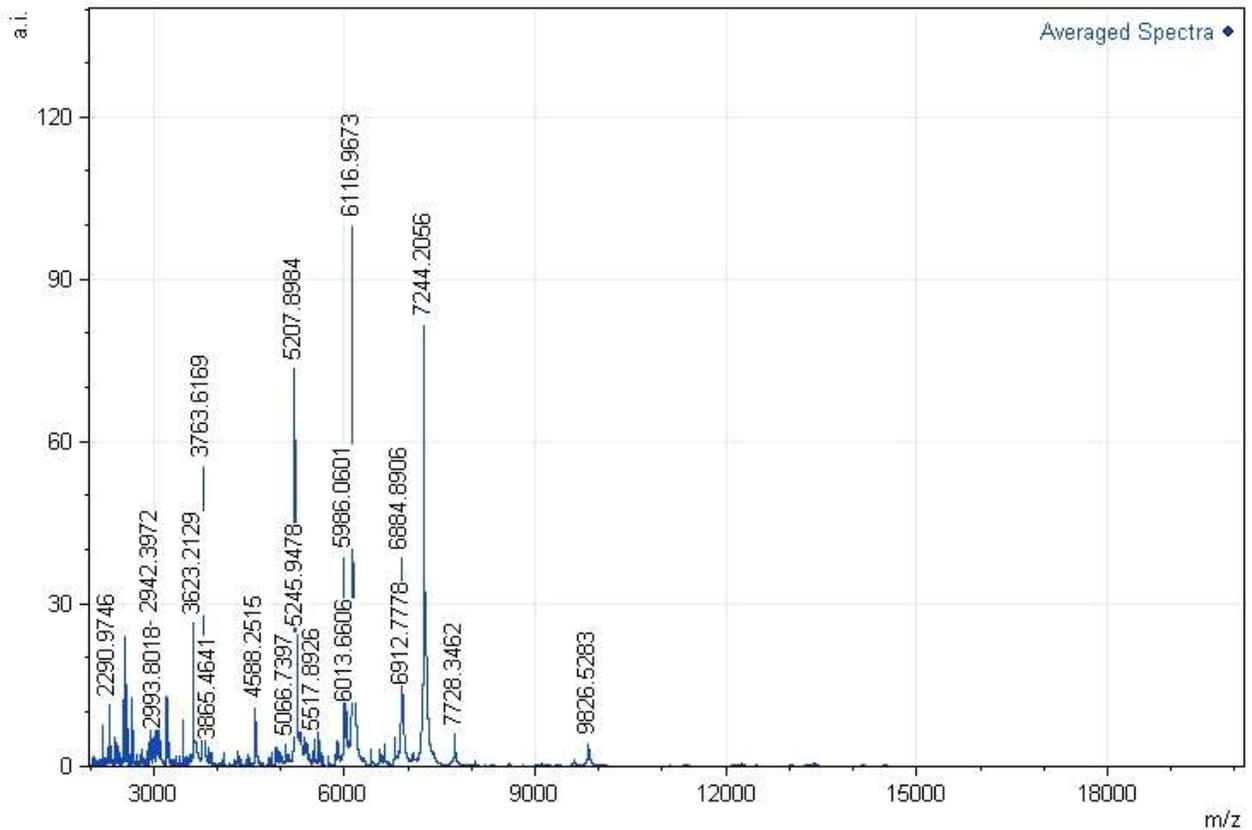


Strain info

- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** 46(5)il
- 3) **Taxonomy:** *Bacillus pumilus*
- 4) **GenBank:** KP699764
- 5) **Isolated from:** Razboynoye Lake (42), 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 37 spectra



10) Peak list:

Average of 37 spectra

Average mass, Da	Average int., %
2177.6	7.7
2188.0	5.5
2291.0	11.2
2517.9	12.3
2548.4	23.9
2581.2	6.7
2637.0	12.6
2673.9	6.6
2907.6	4.2
2942.4	26.6
2980.6	5.1
2993.8	5.2
3019.2	11.9
3047.4	9.3
3059.6	14.6
3099.1	4.8
3194.7	12.8
3232.5	4.5
3443.5	8.4
3608.3	15.7
3623.2	26.5
3636.2	16.2
3763.6	55.3
3791.6	8.3
3865.5	3.3
3908.1	2.5
4306.4	2.9
4588.3	10.8
4601.5	8.1
4914.8	3.4
4918.5	3.6
5066.7	4.0

Average mass, Da	Average int., %
5207.9	73.5
5230.1	17.2
5245.9	24.1
5273.1	8.2
5300.7	9.4
5354.9	5.3
5372.9	4.2
5401.9	4.2
5517.9	4.9
5580.6	15.2
5616.2	2.4
5743.0	1.8
5870.8	4.7
5898.7	4.2
5986.1	38.6
6013.7	10.1
6024.2	10.1
6117.0	100.0
6144.7	26.4
6155.1	24.3
6404.7	3.1
6539.8	3.2
6578.0	2.1
6621.1	4.0
6778.1	5.3
6884.9	38.5
6912.8	13.4
7067.4	2.4
7244.2	81.6
7272.2	31.8
7728.3	5.9
9826.5	4.1