

Strain info

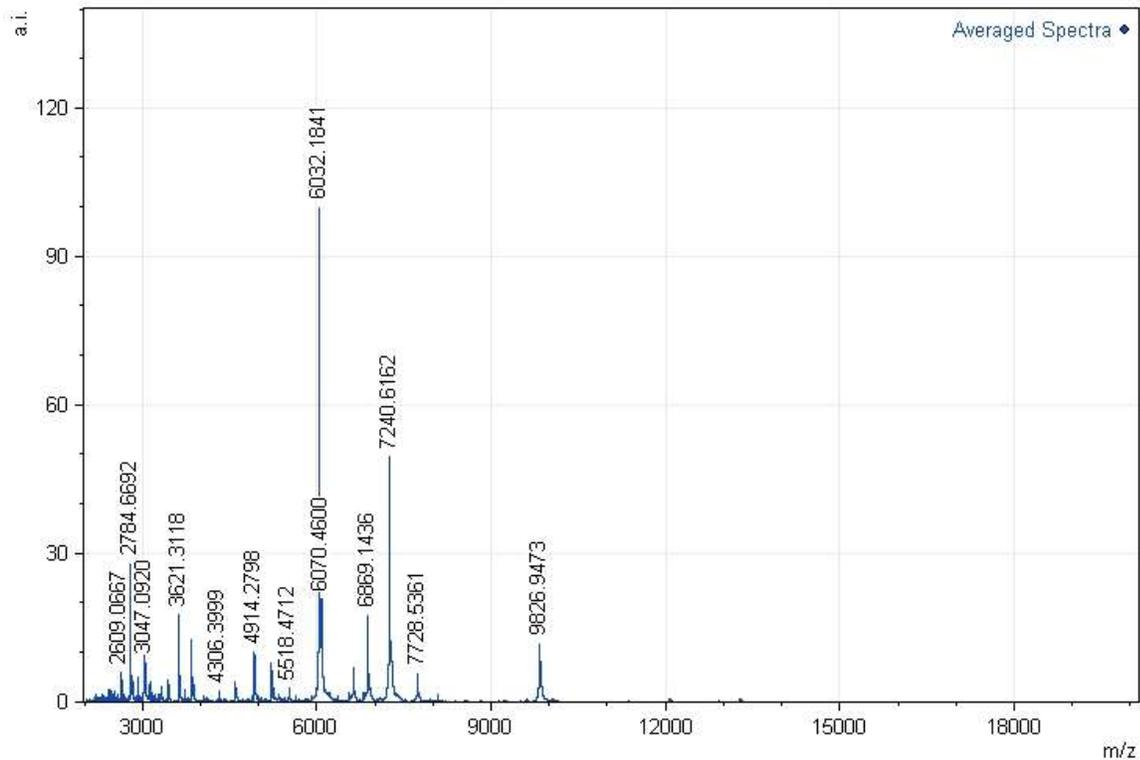
- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** 51(5)il
- 3) **Taxonomy:** *Bacillus pumilus*
- 4) **GenBank:** KP699777
- 5) **Isolated from:** Gorkoye Lake (51), the Novosibirsk region. Bottom sediment. June 2010
- 6) **Growth conditions:** medium - 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 35 spectra



10) Peak list:

Average of 35 spectra

Average mass, Da	Average int., %
2609.1	5.9
2643.3	4.3
2784.7	27.9
2800.7	5.3
2914.5	5.0
3017.1	20.4
3047.1	7.9
3107.5	3.3
3137.9	4.2
3435.8	4.3
3621.3	17.6
3635.1	4.3
3719.0	2.6
3766.8	0.8
3835.9	12.5
3865.1	5.0
4306.4	2.1
4588.5	4.2

Average mass, Da	Average int., %
4601.3	2.9
4914.3	10.0
4928.1	3.3
5208.2	7.8
5246.1	2.7
5518.5	2.7
6032.2	100.0
6070.5	20.8
6540.4	2.0
6621.5	6.8
6794.1	2.0
6869.1	17.4
6896.8	3.9
7240.6	49.5
7268.4	12.3
7728.5	5.8
8068.8	1.6
9826.9	11.9