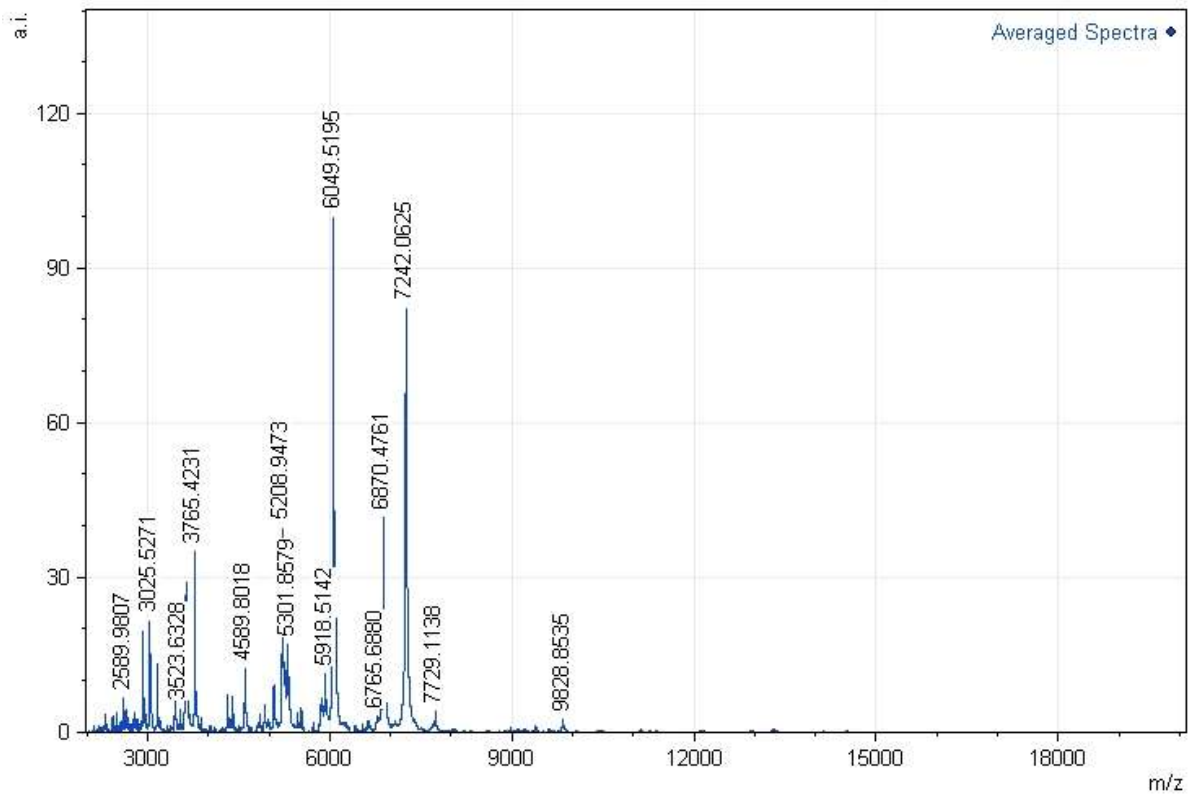


Strain info

- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** 51(3)w
- 3) **Taxonomy:** *Bacillus pumilus*
- 4) **GenBank:** KP699766
- 5) **Isolated from:** Gorkoye Lake (51), the Novosibirsk region. Water samples. 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 31 spectra



10) Peak list:

Average of 31 spectra

Average mass, Da	Average int., %
2293.1	3.5
2415.2	3.2
2479.6	3.8
2590.0	6.4
2612.0	4.0
2645.5	4.2
2915.6	19.5
3025.5	21.5
3048.9	8.3
3154.8	13.4
3437.2	9.3
3523.6	4.5
3610.2	26.5
3622.6	29.0
3765.4	35.0
4307.8	7.1
4363.6	2.4
4390.8	6.9
4589.8	12.2

Average mass, Da	Average int., %
4838.5	3.6
4918.1	5.1
5068.5	9.2
5208.9	39.6
5230.9	13.5
5247.1	12.6
5274.8	11.9
5301.9	17.0
5460.9	3.6
5518.8	4.7
5848.0	6.6
5918.5	11.2
6049.5	99.8
6620.9	2.3
6765.7	3.0
6870.5	41.6
7242.1	82.2
7729.1	4.0
9828.9	2.4