

Strain info

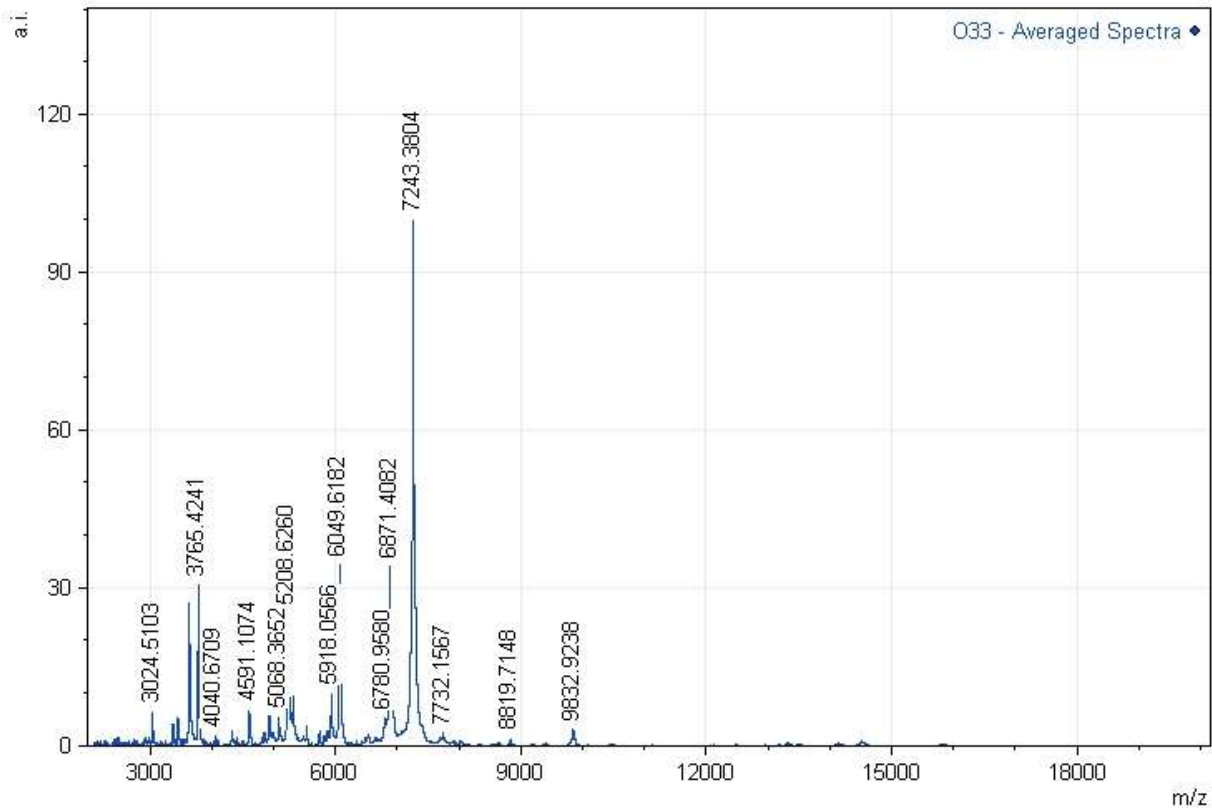
- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** O33
- 3) **Taxonomy:** *Bacillus pumilus*
- 4) **GenBank:** KP699768
- 5) **Isolated from:** Gorkoye Lake (42), the Novosibirsk region. Bottom sediment. June 2009
- 6) **Growth conditions:** medium - 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., %
2725.6	1.3
3024.5	6.3
3048.9	3.0
3357.4	4.0
3437.3	5.4
3622.6	27.0
3633.8	17.1
3765.4	30.5
4040.7	1.9
4308.7	2.9
4391.8	1.6
4503.7	1.0
4591.1	6.7
4794.0	1.7
4837.3	2.6
4919.7	5.7
4968.8	2.6
5068.4	5.5
5208.6	25.1
5231.5	13.1

Average mass, Da	Average int., %
5247.8	9.0
5274.1	6.3
5301.9	9.5
5519.5	3.7
5727.6	2.7
5803.2	1.8
5859.0	2.8
5918.1	9.9
5940.4	3.6
6049.6	34.2
6508.8	2.0
6622.8	1.4
6781.0	5.2
6871.4	34.0
7243.4	100.0
7683.5	1.7
7732.2	2.4
8819.7	1.3
9832.9	3.0