

## Strain info

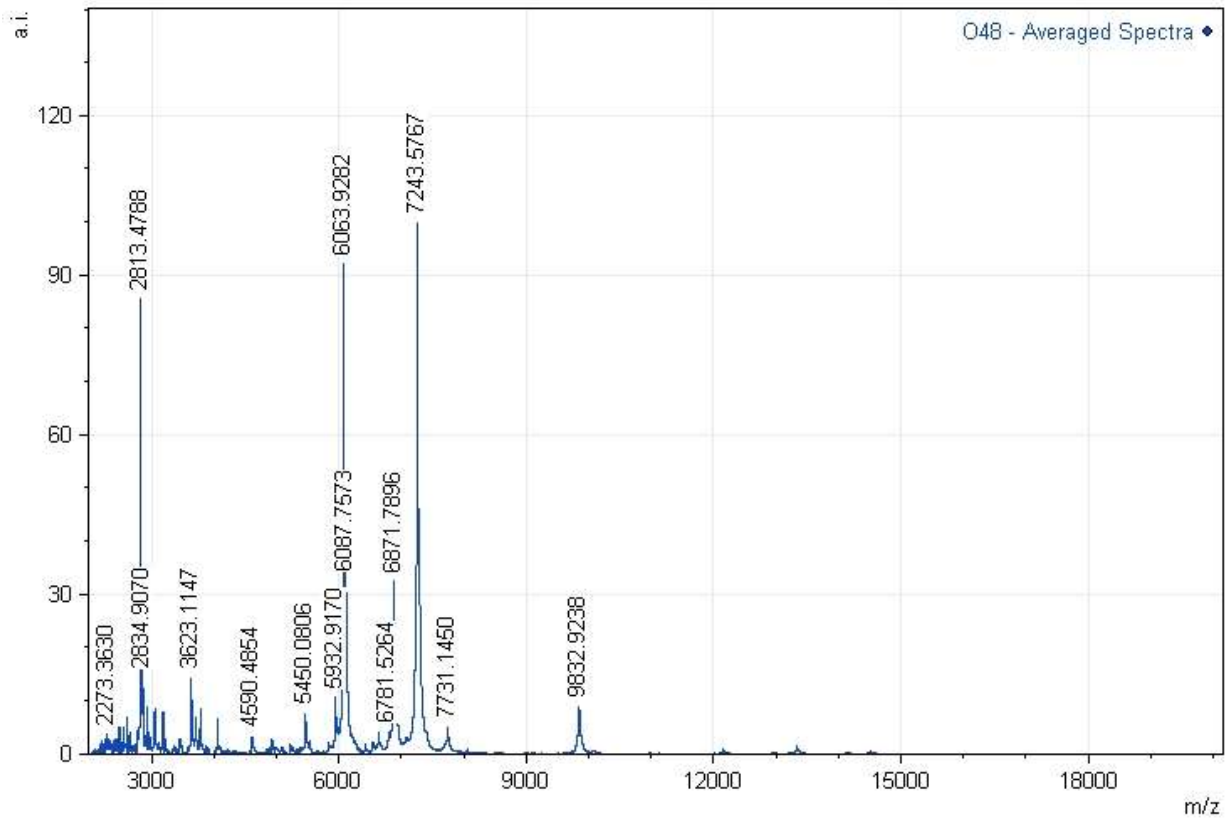
- 1) **Owner:** Institute of Cytology and Genetics SB RAS, Russia, Novosibirsk
- 2) **Strain name:** O48
- 3) **Taxonomy:** *Bacillus pumilus*
- 4) **GenBank:** KP699776
- 5) **Isolated from:** Solyenoye Lake (48), the Novosibirsk region. Water samples. June 2009
- 6) **Growth conditions:** medium - 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 31 spectra



10) Peak list:

Average of 31 spectra

Average mass, Da	Average int., %
2176.5	2.3
2246.2	2.8
2273.4	3.6
2293.1	2.6
2334.0	2.3
2471.2	4.9
2534.5	4.9
2584.0	6.6
2610.8	3.4
2636.5	3.8
2813.5	85.3
2834.9	14.1
2851.2	12.1
2916.7	8.5
3021.9	7.5
3034.1	7.2
3049.5	8.2
3169.6	7.9
3623.1	14.2
3692.7	6.7

Average mass, Da	Average int., %
3765.4	8.4
4041.0	6.6
4590.5	3.3
4914.6	2.7
5209.3	1.8
5450.1	7.7
5519.2	2.5
5818.1	2.1
5932.9	10.6
6063.9	92.2
6087.8	32.6
6101.2	30.3
6527.9	2.1
6622.8	3.9
6781.5	4.1
6871.8	32.5
7243.6	100.0
7731.1	5.2
9832.9	8.9