

В настоящее время в ЦКП «Биокосные системы криосферы» ТюмНЦ СО РАН имеется развернутая и постоянно обновляющаяся база данных о поддерживаемом фонде микроорганизмов из многолетних мерзлых пород Западной и Восточной Сибири, которая позволяет получать информацию о поддерживаемых культурах в необходимом для пользователя виде.

На основе созданной базы данных сформирован каталог данных микроорганизмов. Информация в каталоге представлена в текстовом формате с включением:

- Порядковый номер.
- Каталогный номер.
- Данные первичного скрининга микроорганизма с помощью анализа генов, кодирующих 16S РНК, по базе данных GenBank
- Принадлежность к систематической группе микроорганизмов
- Количество проанализированных нуклеотидных последовательностей
- Критерий отнесения микроорганизма к тому или иному виду (гомология, в %)
- Наличие справки национального патентного депонирования в ВКПМ
- Наличие правовой охраны на объект.

№ п/п	Каталожный № штамма	Accession	Description	Total score	Max ident, %	№ рег. ВКПМ	патент
1	4/25	EU252078.1	Acinetobacter sp. Epbas6 16S ribosomal RNA gene, partial sequence	647	99%	-	
2	8/75-1	AY572486.1	Bacillus sp. R43S 16S ribosomal RNA gene, partial sequence	682	100%	-	
3	10/50	FJ613798.1	Achromobacter sp. F32 16S ribosomal RNA gene, partial sequence	743	100%	B12405	Патент № 2607028
4	13/59,4	HM854828.1	Staphylococcus saprophyticus subsp. saprophyticus strain PPB14 16S ribosomal RNA gene, partial sequence	734	100%	-	
		AF467414.1	Uncultured Staphylococcus sp. clone Ggeomydis17 16S ribosomal RNA gene, partial sequence	734	100%		
5	9/47	EU275167.1	Achromobacter sp. N2 16S ribosomal RNA gene, partial sequence	719	100%	-	
6	13/59.3	EU252078.1	Acinetobacter sp. Epbas6 16S ribosomal RNA gene, partial sequence	691	100%	-	
7	3/15	EU252078.1	Acinetobacter sp. Epbas6 16S ribosomal RNA gene, partial sequence	678	99%	-	

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8	15/62.2	JN227670.1	Bacillus cereus strain SZ2 16S ribosomal RNA gene, partial sequence	579	100%	B12246	
		JN208196.1	Bacillus sp. DG5 16S ribosomal RNA gene, partial sequence	579	100%		
9	3/07.2	AY572479.1	Arthrobacter sp. R47S 16S ribosomal RNA gene, partial sequence	695	99%	-	
10	2/06	HM771671.1	Bacillus megaterium strain PPB18 16S ribosomal RNA gene, partial sequence	689	100%	B12402	Заявка № 2016125604
12	7/32	EU252078.1	Acinetobacter sp. Epbas6 16S ribosomal RNA gene, partial sequence	665	100%	-	
13	4/20	AY572480.1	Bacillus sp. R21S 16S ribosomal RNA gene, partial sequence	693	100%	-	
15	10/52,2	EU747696.1	Pseudomonas sp. S29(2008) 16S ribosomal RNA gene, partial sequence	1054	100%	-	
16	3/09	GU124699.1	Pseudomonas putida strain CT363 16S ribosomal RNA gene, partial sequence	693	100%	-	
17	15/73	CP002621.1	Enterococcus faecalis OG1RF, complete genome	3205	97%	-	
18	6/23	HQ124332.1	Bacillus megaterium strain SW1:2 16S ribosomal RNA gene, partial sequence	693	100%	-	
19	9/48к	AY572480.1	Bacillus sp. R21S 16S ribosomal RNA gene, partial sequence	686	100%	-	
20	4/18	FP929058.1	Enterococcus sp. 7L76 draft genome	689	100%	-	
21	3/11	GU124699.1	Pseudomonas putida strain CT363 16S ribosomal RNA gene, partial sequence	701	100%	-	
22	10/54,3	HM854828.1	Staphylococcus saprophyticus subsp. saprophyticus strain PPB14 16S ribosomal RNA gene, partial sequence	686	100%	-	
		GQ222240.1	Staphylococcus xylosus strain 741 16S ribosomal RNA gene, partial sequence	684	100%		

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25	10/34,2	HM854828.1	Staphylococcus saprophyticus subsp. saprophyticus strain PPB14 16S ribosomal RNA gene, partial sequence	689	100%	-	
		AF004219.1	Staphylococcus succinus 16S ribosomal RNA gene, complete sequence	686	100%		
26	3/07	FP929058.1	Enterococcus sp. 7L76 draft genome	678	100%	-	
27	3/12	JN082514.1	Uncultured Bacillus sp. clone 405 16S ribosomal RNA gene, partial sequence	689	100%	B12244	
28	2/03	HQ912144.1	Uncultured Enterobacter sp. clone BacS1E164 16S ribosomal RNA gene, partial sequence	682	100%	-	
29	14/60	JF277917.1	Uncultured Pseudomonas sp. clone 44PP 16S ribosomal RNA gene, partial sequence	686	100%	-	
32	10/56,1	EU545406.1	Enterobacter sp. XW122 16S ribosomal RNA gene, partial sequence	686	100%	-	
33	9/48п	AY572480.1	Bacillus sp. R21S 16S ribosomal RNA gene, partial sequence	693	100%	B12245	
34	3/69	EU545406.1	Enterobacter sp. XW122 16S ribosomal RNA gene, partial sequence	686	100%	-	
35	4/66	FJ815434.1	Enterobacter sp. 16A 16S ribosomal RNA gene, partial sequence	682	100%	-	
37	1/04	GU269614.1	Bacillus sp. NZT-14-84 16S ribosomal RNA gene and 16S-23S ribosomal RNA intergenic spacer, partial sequence	689	100%	-	
38	13/59.2	JN082554.1	Uncultured Acinetobacter sp. clone 155 16S ribosomal RNA gene, partial sequence	686	100%	-	
39	8/75	JN082514.1	Uncultured Bacillus sp. clone 405 16S ribosomal RNA gene, partial sequence	739	99%	B12242	Заявка № 2016114388
		HQ124332.1	Bacillus megaterium strain SW1:2 16S ribosomal RNA gene, partial sequence	739	99%		
41	11/70	HQ124332.1	Bacillus megaterium strain SW1:2 16S ribosomal RNA gene, partial sequence	752	100%	-	

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42	6/30	JN208196.1	Bacillus sp. DG5 16S ribosomal RNA gene, partial sequence	521	100%	-	
43	4/22,2	NR_027193.1	Kocuria carniphila strain CCM 132 16S ribosomal RNA, partial sequence >emb AJ622907.1 Kocuria carniphila partial 16S rRNA gene, strain CCM 132T	752	100%	-	
47	7/03	GQ476343.1	Uncultured bacterium clone 1209-M13F-1 16S ribosomal RNA gene, partial sequence	758	100%	-	
		EU753139.1	Marine bacterium MSC32 16S ribosomal RNA gene, partial sequence	758	100%		
48	7/11	EU934227.1	Pseudomonas sp. RKS7-4 16S ribosomal RNA gene, partial sequence	754	100%	-	
49	9/08	CP001982.1	Bacillus megaterium DSM319, complete genome	8276	100%	B12401	
50	12/57		Bacillus cereus			B12243	
51	1/03	GQ476501.1	Uncultured bacterium clone 717-M13F 16S ribosomal RNA gene, partial sequence	732	100%	-	
		AY635871.1	Comamonas sp. BM-9_6 16S ribosomal RNA gene, partial sequence	712	100%		
52	6/02	EU099412.1	Pseudomonas sp. WBF19 16S ribosomal RNA gene, partial sequence	741	100%	-	
53	7/02	HM771659.1	Bacillus sp. PPB4 16S ribosomal RNA gene, partial sequence	754	100%	-	
54	7/13	HM771671.1	Bacillus megaterium strain PPB18 16S ribosomal RNA gene, partial sequence	750	100%	-	
55	10/09	FJ889294.1	Uncultured Pseudomonas sp. clone Plot18-D02 16S ribosomal RNA gene, partial sequence	756	100%	-	
		EU753139.1	Marine bacterium MSC32 16S ribosomal RNA gene, partial sequence	756	100%		
56	03/7	HM438577.1	Uncultured Pseudomonas sp. clone t302f06 16S ribosomal RNA gene, partial sequence	758	100%	-	

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58	1/06	JN082514.1	Uncultured Bacillus sp. clone 405 16S ribosomal RNA gene, partial sequence	741	100%	-	
		HM771671.1	Bacillus megaterium strain PPB18 16S ribosomal RNA gene, partial sequence	741	100%		
61	1/07	JF799954.1	Pseudomonas sp. K7SC-3A 16S ribosomal RNA gene, partial sequence	673	100%	-	
		HM438577.1	Uncultured Pseudomonas sp. clone t302f06 16S ribosomal RNA gene, partial sequence	673	100%		
		DQ535029.1	Gamma proteobacterium LH197 16S ribosomal RNA gene, partial sequence	671	100%		
62	2/10	HQ588832.1	Pseudomonas sp. BZ21 16S ribosomal RNA gene, partial sequence	752	100%	-	
		HM438577.1	Uncultured Pseudomonas sp. clone t302f06 16S ribosomal RNA gene, partial sequence	752	100%		
		AY538264.1	Pseudomonas fluorescens strain PC20 16S ribosomal RNA gene, complete sequence	752	100%		
63	6/010	JN084146.1	Bacillus megaterium strain Y6 16S ribosomal RNA gene, partial sequence	460	100%	-	
64	10/09	JN208188.1	Pseudomonas sp. TS1 16S ribosomal RNA gene, partial sequence	523	100%	-	
65	3/09	HQ588832.1	Pseudomonas sp. BZ21 16S ribosomal RNA gene, partial sequence	680	99%	-	
		HM438577.1	Uncultured Pseudomonas sp. clone t302f06 16S ribosomal RNA gene, partial sequence	680	99%		
66	2/09	HM771659.1	Bacillus sp. PPB4 16S ribosomal RNA gene, partial sequence	689	100%	-	
67	01/3	HQ882804.1	Alcaligenaceae bacterium W36 16S ribosomal RNA gene, partial sequence	671	100%	-	
		EU727196.1	Achromobacter sp. MT-E3 16S ribosomal RNA gene, partial sequence	656	99%		
68	2/07	JF309235.1	Bacillus sp. 3408ABRRJ 16S ribosomal RNA gene, partial sequence	647	100%	-	

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		HM771671.1	Bacillus megaterium strain PPB18 16S ribosomal RNA gene, partial sequence	647	100%		
69	6/03	AF467428.1	Uncultured Staphylococcus sp. clone 87-7 16S ribosomal RNA gene, partial sequence	734	99%	-	
70	F2	HQ882804.1	Alcaligenaceae bacterium W36 16S ribosomal RNA gene, partial sequence	368	100%	-	
		FM956659.1	Alcaligenes sp. DRE-2009-C5 partial 16S rRNA gene, from phenol-degrading microcosm, isolate C5	363	99%		
		JN099470.1	Uncultured soil bacterium clone DLQBHT6C7 16S ribosomal RNA gene, partial sequence	357	98%		