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# FASTA Results

## SUBMISSION PARAMETERS

Title	58196	Database	em_rel_pro
Sequence length	820	Sequence type	n
Program	fasta	Version	35.04 Mar. 8, 2009
Expectation upper value	10.0	Sequence range	1-
Number of scores	50	Number of alignments	50
Word size	6	Open gap penalty	-14
Gap extension penalty	-4	Histogram	false

<u>Alignment</u>	<u>DB:ID</u>	<u>Source</u>	<u>Length</u>	<u>Identity%</u>	<u>Similar%</u>	<u>Overlap</u>	<u>E()</u>
1	<a href="#">EM_PRO:EU399813</a>	Bacillus sp. 05 16S ribosoma	1424	100.0	100.0	820	6.1e-194
2	<a href="#">EM_PRO:AJ920000</a>	Bacillus sp. CK7 partial 16S	1472	99.5	99.5	820	2.6e-192
3	<a href="#">EM_PRO:EU660425</a>	Bacterium ID4391 16S ribosom	1312	99.4	99.4	820	1.1e-191
4	<a href="#">EM_PRO:AY536564</a>	Bacillus psychrodurans strai	1408	99.1	99.1	820	7.9e-191
13	<a href="#">EM_PRO:DQ993304</a>	Bacillus sp. MHS022 16S ribo	1426	99.1	99.1	822	6.1e-190
5	<a href="#">EM_PRO:EF101552</a>	Bacillus psychrodurans strai	1525	99.0	99.0	820	2.1e-190
6	<a href="#">EM_PRO:EU621913</a>	Paenibacillus sp. CCBAU 5149	1477	99.0	99.0	820	2.2e-190
7	<a href="#">EM_PRO:AM293001</a>	Bacillus sp. JG-B43 partial	1476	99.0	99.0	820	2.2e-190
8	<a href="#">EM_PRO:EF377319</a>	Bacillus sp. CCBAU 10759 16S	1463	99.0	99.0	820	2.2e-190
9	<a href="#">EM_PRO:EF377318</a>	Bacillus sp. CCBAU 10755 16S	1462	99.0	99.0	820	2.2e-190
10	<a href="#">EM_PRO:EU249566</a>	Bacillus psychrodurans strai	1310	99.0	99.0	820	2.3e-190
11	<a href="#">EM_PRO:AJ277984</a>	Bacillus psychrodurans 16S r	1486	98.9	98.9	820	6e-190
12	<a href="#">EM_PRO:AB017538</a>	Renibacterium salmoninarum D	1472	98.9	98.9	820	6e-190
16	<a href="#">EM_PRO:FJ348033</a>	Bacillus sp. GGC-P4 16S ribo	1368	98.9	98.9	820	6.2e-190
19	<a href="#">EM_PRO:AM179887</a>	Bacillus sp. C81 partial 16S	1401	98.8	98.8	821	4.8e-189
14	<a href="#">EM_PRO:AB084263</a>	Bacillus sp. KSM-9865 gene f	1380	98.7	98.7	820	6.2e-190
15	<a href="#">EM_PAT:BD341935</a>	An alkaline protease product	1380	98.7	98.7	820	6.2e-190
17	<a href="#">EM_PRO:AJ277983</a>	Bacillus psychrotolerans 16S	1488	98.7	98.7	820	4.7e-189
18	<a href="#">EM_PRO:AY660701</a>	Bacillus sp. cryopeg_9 16S r	1475	98.7	98.7	820	4.7e-189
20	<a href="#">EM_PRO:EF451658</a>	Bacillus sp. KAR28 16S ribos	1332	98.7	98.7	820	4.9e-189
21	<a href="#">EM_PRO:EU429949</a>	Bacillus psychrodurans strai	1250	98.7	98.7	821	1.4e-188
28	<a href="#">EM_PRO:AF308876</a>	Arsenic resistant soil bacte	1338	98.7	98.7	822	9e-187
36	<a href="#">EM_PRO:AB016269</a>	Bacillus sp. gene for 16S rR	1542	98.7	98.7	821	2.6e-185
29	<a href="#">EM_PRO:DQ089754</a>	Bacillus sp. C2M6 16S riboso	1001	98.6	98.6	810	1.6e-186
23	<a href="#">EM_PRO:AJ919999</a>	Bacillus sp. KGN24 partial 1	1507	98.5	98.5	820	6.3e-188

22	<a href="#">EM_PRO:AY660700</a>	Bacillus sp. cryopeg_4b 16S	1478	98.4	98.4	820	3.6e-188
24	<a href="#">EM_PRO:AB274750</a>	Bacillus sp. INTCD44D gene f	1247	98.4	98.4	821	1.1e-187
25	<a href="#">EM_PRO:FJ228146</a>	Bacillus sp. MM3 16S ribosom	1239	98.4	98.4	821	1.1e-187
26	<a href="#">EM_PRO:AM980508</a>	Bacillus insolitus partial 1	1502	98.2	98.2	820	2.8e-187
27	<a href="#">EM_PRO:AB362278</a>	Bacillus sp. JAM-FM1301 gene	1402	98.0	98.0	820	7.9e-187
30	<a href="#">EM_PRO:EU204977</a>	Sporosarcina sp. D51 16S rib	1516	97.9	97.9	820	2.1e-186
31	<a href="#">EM_PRO:EU135732</a>	Sporosarcina sp. YIM C303 16	1505	97.9	97.9	820	2.1e-186
32	<a href="#">EM_PRO:AY030325</a>	Bacillus sp. KL-024 16S ribo	1496	97.9	97.9	820	2.2e-186
33	<a href="#">EM_PRO:FJ425906</a>	Sporosarcina sp. JSM 078063	1484	97.9	97.9	820	2.2e-186
34	<a href="#">EM_PRO:EU846604</a>	Sporosarcina sp. NH09 16S ri	1477	97.9	97.9	820	2.2e-186
35	<a href="#">EM_PRO:EU846603</a>	Sporosarcina sp. NH04 16S ri	1477	97.7	97.7	820	1.7e-185
37	<a href="#">EM_PRO:DQ416776</a>	Bacterium G1DM-2 16S ribosom	1530	97.6	97.6	820	4.6e-185
38	<a href="#">EM_PRO:EU196334</a>	Sporosarcina sp. NP22 16S ri	1498	97.6	97.6	820	4.6e-185
39	<a href="#">EM_PRO:AB116123</a>	Bacillus sphaericus gene for	1494	97.6	97.6	820	4.6e-185
40	<a href="#">EM_PRO:EF690426</a>	Lysinibacillus sphaericus is	1477	97.6	97.6	820	4.7e-185
41	<a href="#">EM_PRO:EF690423</a>	Lysinibacillus sphaericus is	1467	97.6	97.6	820	4.7e-185
42	<a href="#">EM_PRO:EU835735</a>	Lysinibacillus sphaericus st	1467	97.6	97.6	820	4.7e-185
43	<a href="#">EM_PRO:FJ263020</a>	Sporosarcina sp. ZD30 16S ri	1467	97.6	97.6	820	4.7e-185
44	<a href="#">EM_PRO:DQ870695</a>	Bacillus sphaericus strain K	1459	97.6	97.6	820	4.7e-185
45	<a href="#">EM_PRO:AF435435</a>	Bacillus sphaericus strain 2	1459	97.6	97.6	820	4.7e-185
46	<a href="#">EM_PRO:EU869258</a>	Lysinibacillus sphaericus st	1456	97.6	97.6	820	4.7e-185
47	<a href="#">EM_PRO:DQ523503</a>	Lysinibacillus sphaericus st	1449	97.6	97.6	820	4.7e-185
48	<a href="#">EM_PRO:DQ286310</a>	Bacillus sphaericus strain C	1431	97.6	97.6	820	4.7e-185
49	<a href="#">EM_PRO:AF169527</a>	Bacillus sp. NRS-1186 16S ri	1412	97.6	97.6	820	4.7e-185
50	<a href="#">EM_PRO:FJ009418</a>	Lysinibacillus sphaericus st	1409	97.6	97.6	820	4.7e-185