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FASTA Results

SUBMISSION PARAMETERS

Title	CCUG 58103 16S	Database	em_rel_pro
Sequence length	1041	Sequence type	n
Program	fasta	Version	35.04 Mar. 8, 2009
Expectation upper value	10.0	Sequence range	1-
Number of scores	100	Number of alignments	100
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	EM_PRO:EU417660	Corynebacterium sp. 3LF25TD	1431	100.0	100.0	1041	0
2	EM_PRO:FJ269041	Corynebacterium sp. 3010 16S	1473	100.0	100.0	1041	0
3	EM_PRO:X84241	Corynebacterium mycetoides 16S r	1477	97.8	97.8	1042	0
4	EM_PRO:Y09045	Corynebacterium lipophiloflavum	1474	97.6	97.6	1042	0
5	EM_PRO:X82066	C.mycetoides 16S ribosomal DNA	1396	97.6	97.6	1043	0
6	EM_PRO:AJ297402	Corynebacterium capitovis pa	1334	96.6	96.6	1037	1e-215
7	EM_PRO:EF217055	Corynebacterium timonensis s	1435	96.5	96.5	1042	3.6e-215
52	EM_PRO:EU379256	Corynebacterium sp. 1RN-3G 1	1267	96.5	96.5	1014	2.1e-205
12	EM_PRO:EU373346	Corynebacterium sp. HNR06 16	1484	96.4	96.4	1045	4.2e-213
13	EM_PRO:EU373333	Corynebacterium sp. SSR08 16	1484	96.4	96.4	1045	4.2e-213
14	EM_PRO:EU373317	Corynebacterium sp. SSL06 16	1484	96.4	96.4	1045	4.2e-213
15	EM_PRO:EU373371	Corynebacterium sp. TPL04 16	1484	96.4	96.4	1045	4.2e-213
16	EM_PRO:AF227825	Corynebacterium sp. 47081 16	1465	96.4	96.4	1045	4.2e-213
18	EM_PAT:CQ770296	Sequence 31 from Patent WO20	1431	96.3	96.3	1045	1.1e-212
19	EM_PAT:CQ771289	Sequence 31 from Patent WO20	1431	96.3	96.3	1045	1.1e-212
21	EM_PRO:X82055	C.afermentans 16S ribosomal DNA	1325	96.3	96.3	1044	7.7e-212
8	EM_PRO:AY677186	Corynebacterium tuscaniense	1502	96.1	96.1	1042	6.9e-214
9	EM_PRO:AF227854	Corynebacterium sp. 96447 16	1401	96.1	96.1	1042	9.7e-214
10	EM_PRO:X96497	Corynebacterium coyleae 16S rRNA	1483	96.1	96.1	1042	2e-213
17	EM_PRO:X84253	Corynebacterium genitalium 16S r	1392	96.1	96.1	1042	4.3e-213
11	EM_PRO:X81872	Corynebacterium pseudogenitalium	1430	96.0	96.0	1042	2.5e-213
20	EM_PRO:AF537600	Corynebacterium mucifaciens	1469	96.0	96.0	1041	1.3e-212
29	EM_PRO:X82054	C.afermentans 16S ribosomal DNA	1326	96.0	96.0	1044	3e-211
32	EM_PRO:AJ314919	Corynebacterium appendicis p	1470	96.0	96.0	1027	2.7e-210
35	EM_PRO:X81874	Corynebacterium afermentans 16S	1368	96.0	96.0	1036	1.5e-209

38	EM_PRO:AM397636	Corynebacterium ureicelerivo	1481	96.0	96.0	1032	7.1e-209
22	EM_PRO:AF537599	Corynebacterium mucifaciens	1465	95.9	95.9	1040	8.1e-212
26	EM_PRO:EU848548	Corynebacterium riegeli str	1457	95.8	95.9	1041	2.9e-211
27	EM_PRO:AF537602	Corynebacterium riegeli iso	1454	95.8	95.9	1041	2.9e-211
31	EM_PRO:AF537592	Corynebacterium coyleae isol	1453	95.9	95.9	1035	2e-210
40	EM_PRO:X81873	Corynebacterium auris 16S rRNA,	1329	95.9	95.9	1033	8.3e-209
23	EM_PRO:AF537601	Corynebacterium mucifaciens	1468	95.6	95.8	1042	1.4e-211
25	EM_PRO:Y14651	Corynebacterium riegeli 16S rRN	1383	95.8	95.8	1042	2.4e-211
24	EM_PRO:X81904	Corynebacterium sp. 16S rRNA gen	1404	95.7	95.7	1043	1.9e-211
34	EM_PRO:Y11200	Corynebacterium mucifaciens 16S	1459	95.7	95.7	1033	4.6e-210
41	EM_PRO:X82493	Corynebacterium spp. 16S rRNA ge	1329	95.7	95.7	1033	1.8e-207
30	EM_PRO:AY581884	Corynebacterium sp. 3301750	1420	95.6	95.6	1044	7.6e-211
28	EM_PRO:X81905	Corynebacterium sp. 16S rRNA gen	1405	95.5	95.5	1044	3e-211
37	EM_PRO:Y13427	Corynebacterium sp. 16S rRNA gen	1475	95.5	95.5	1045	2.2e-209
36	EM_PRO:AF537597	Corynebacterium imitans isol	1460	95.3	95.3	1038	1.6e-209
39	EM_PRO:Y09569	Corynebacterium camporealensis 1	1401	95.3	95.3	1045	8.1e-209
33	EM_PRO:Y09044	Corynebacterium imitans 16S rRNA	1472	95.2	95.2	1043	3e-210
53	EM_PRO:AJ431634	Corynebacterium glaucum part	1466	94.9	94.9	1028	2.5e-205
45	EM_PRO:AF287754	Corynebacterium sp. oral str	1335	94.2	94.7	1040	2.8e-206
47	EM_PRO:X81909	C.renale 16S rRNA gene (CIP 1034	1395	94.5	94.5	1042	4.2e-206
48	EM_PRO:Y09655	Corynebacterium sundsvallense 16	1468	94.5	94.5	1043	4.6e-206
60	EM_PRO:AF227828	Corynebacterium sp. 61722 16	1475	94.5	94.5	1045	1.4e-204
69	EM_PRO:DQ337511	Corynebacterium sp. BBDP60 1	1481	94.5	94.5	1045	6e-204
50	EM_PRO:AF537608	Corynebacterium nigricans is	1443	94.4	94.4	1038	8.7e-206
55	EM_PRO:AF537606	Corynebacterium sundsvallens	1467	94.3	94.4	1042	2.8e-205
56	EM_PRO:X84249	Corynebacterium renale 16S rRNA	1447	94.4	94.4	1043	2.8e-205
59	EM_PRO:AJ429234	Corynebacterium spheniscorum	1414	94.4	94.4	1046	1.2e-204
61	EM_PRO:D37805	Corynebacterium renale gene for	1452	94.4	94.4	1041	1.5e-204
62	EM_PRO:D37806	Corynebacterium renale gene for	1399	94.4	94.4	1041	1.5e-204
81	EM_PRO:AB010906	Corynebacterium sp. QKT1393-	1481	94.4	94.4	1045	1.5e-203
42	EM_PRO:AY536427	Corynebacterium aurimucosum	1476	94.3	94.3	1041	1e-206
43	EM_PRO:AY536426	Corynebacterium aurimucosum	1440	94.3	94.3	1042	2.7e-206
44	EM_PRO:AY321294	Corynebacterium nigricans is	1382	94.3	94.3	1042	2.8e-206
46	EM_PRO:Y10999	Corynebacterium singulare 16S rR	1323	94.3	94.3	1041	3.5e-206
70	EM_PRO:AJ439346	Corynebacterium accolens par	1505	94.3	94.3	1044	9e-204
83	EM_PRO:AF537605	Corynebacterium sundsvallens	1445	94.3	94.3	1035	2.1e-203
84	EM_PRO:FM173119	Corynebacterium sp. KSS-3Se	1428	94.3	94.3	1039	2.7e-203
58	EM_PRO:AF537607	Corynebacterium thomssenii i	1461	94.2	94.2	1043	8e-205
63	EM_PRO:AF010474	Corynebacterium thomssenii 1	1472	94.2	94.2	1043	2.1e-204
78	EM_PRO:FM173120	Corynebacterium sp. KSS-4Se	1441	94.2	94.2	1040	1.3e-203
80	EM_PRO:AB359401	Corynebacterium accolens gen	1481	94.2	94.2	1045	1.4e-203

51	EM_PRO:AB269764	Corynebacterium aurimucosum	1479	94.1	94.1	1042	1.8e-205
54	EM_PRO:AY834747	Corynebacterium mastitidis 1	1451	94.1	94.1	1046	2.5e-205
68	EM_PRO:AF220220	Corynebacterium aurimucosum	1437	94.1	94.1	1043	5.4e-204
71	EM_PRO:D37803	Corynebacterium renale gene for	1289	94.1	94.1	1040	1.1e-203
73	EM_PRO:AB359408	Corynebacterium mastitidis g	1484	94.1	94.1	1047	1.2e-203
74	EM_PRO:AB359395	Corynebacterium mastitidis g	1484	94.1	94.1	1047	1.2e-203
75	EM_PRO:AB359399	Corynebacterium mastitidis g	1484	94.1	94.1	1047	1.2e-203
76	EM_PRO:AB359396	Corynebacterium mastitidis g	1484	94.1	94.1	1047	1.2e-203
82	EM_PRO:EF442428	Corynebacterium diphtheriae	1323	94.1	94.1	1042	1.6e-203
85	EM_PRO:D37804	Corynebacterium renale gene for	1389	94.1	94.1	1041	2.7e-203
90	EM_PRO:X80500	Corynebacterium accolens 16S rDN	1393	94.1	94.1	1043	5.7e-203
49	EM_PRO:X82064	C.minutissimum 16S ribosomal DNA	1400	94.0	94.0	1042	6.4e-206
57	EM_PRO:AY271720	Corynebacterium nigricans st	1414	94.0	94.0	1042	6.6e-205
64	EM_PRO:BX248359	Corynebacterium diphtheriae	349895	94.0	94.0	1042	5.2e-204
65	EM_PRO:BX248360	Corynebacterium diphtheriae	349659	94.0	94.0	1042	5.2e-204
66	EM_PRO:BX248357	Corynebacterium diphtheriae	349535	94.0	94.0	1042	5.2e-204
67	EM_PRO:BX248356	Corynebacterium diphtheriae	347625	94.0	94.0	1042	5.2e-204
72	EM_PRO:X84256	Corynebacterium ulcerans 16S rRN	1490	94.0	94.0	1042	1.2e-203
79	EM_PRO:BX248360	Corynebacterium diphtheriae	349659	94.0	94.0	1042	1.3e-203
86	EM_PRO:FJ409575	Corynebacterium diphtheriae	1444	93.9	93.9	1043	3.6e-203
87	EM_PRO:FJ409573	Corynebacterium diphtheriae	1444	93.9	93.9	1043	3.6e-203
88	EM_PRO:FJ409572	Corynebacterium diphtheriae	1444	93.9	93.9	1043	3.6e-203
89	EM_PRO:FJ409574	Corynebacterium diphtheriae	1444	93.9	93.9	1043	3.6e-203
91	EM_PRO:AB359409	Corynebacterium macginleyi g	1479	93.9	93.9	1044	9.4e-203
92	EM_PRO:AB359402	Corynebacterium macginleyi g	1479	93.9	93.9	1044	9.4e-203
93	EM_PRO:AB359397	Corynebacterium macginleyi g	1479	93.9	93.9	1044	9.4e-203
94	EM_PRO:AB359394	Corynebacterium macginleyi g	1479	93.9	93.9	1044	9.4e-203
95	EM_PRO:AB359410	Corynebacterium macginleyi g	1479	93.9	93.9	1044	9.4e-203
96	EM_PRO:AB359391	Corynebacterium macginleyi g	1479	93.9	93.9	1044	9.4e-203
97	EM_PRO:AB359407	Corynebacterium macginleyi g	1479	93.9	93.9	1044	9.4e-203
98	EM_PRO:AB359398	Corynebacterium macginleyi g	1479	93.9	93.9	1044	9.4e-203
99	EM_PRO:AB359406	Corynebacterium macginleyi g	1479	93.9	93.9	1044	9.4e-203
100	EM_PRO:AB359400	Corynebacterium macginleyi g	1479	93.9	93.9	1044	9.4e-203
77	EM_PRO:Y09806	Corynebacterium mastitidis 16S r	1477	93.7	93.7	1043	1.3e-203

