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FASTA Results

SUBMISSION PARAMETERS

Title	57046-rpoB	Database	em_rel_pro
Sequence length	522	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>
5	EM_PRO:AY581878	Corynebacterium sp. 31595 Rp	425	99.0	99.0	402	6.2e-92
1	EM_PAT:CS115679	Sequence 82 from Patent WO20	3328	90.8	90.8	522	1.3e-102
2	EM_PRO:AY492256	Corynebacterium glucuronolyt	3328	90.8	90.8	522	1.3e-102
3	EM_PAT:CS115698	Sequence 101 from Patent WO2	3153	90.8	90.8	522	1.4e-102
4	EM_PRO:AY492263	Corynebacterium glucuronolyt	3153	90.8	90.8	522	1.4e-102
12	EM_PAT:CS115622	Sequence 25 from Patent WO20	434	89.3	89.3	402	4.8e-74
13	EM_PAT:CS115642	Sequence 45 from Patent WO20	434	89.3	89.3	402	4.8e-74
6	EM_PRO:AY492233	Corynebacterium xerosis stra	3447	80.4	80.4	520	2.6e-77
7	EM_PAT:CS115711	Sequence 114 from Patent WO2	3447	80.4	80.4	520	2.6e-77
8	EM_PAT:CS115661	Sequence 64 from Patent WO20	3435	80.4	80.4	520	2.6e-77
9	EM_PRO:AY492241	Corynebacterium amycolatum s	3435	80.4	80.4	520	2.6e-77
10	EM_PRO:AY492237	Corynebacterium freneyi stra	3345	79.4	79.4	520	5.1e-75
11	EM_PAT:CS115678	Sequence 81 from Patent WO20	3345	79.4	79.4	520	5.1e-75
14	EM_PRO:AP006618	Nocardia farcinica IFM 10152	6021225	77.2	77.2	521	3e-70
15	EM_PRO:AP006618	Nocardia farcinica IFM 10152	6021225	77.2	77.2	521	3e-70
16	EM_PRO:AY859693	Mycobacterium phocaicum CIP	3918	76.6	76.6	521	2.1e-68
33	EM_PRO:AY859702	Mycobacterium elephantis CIP	714	76.6	76.6	488	1.9e-63
34	EM_PRO:AY859700	Mycobacterium phlei CIP 1053	714	76.6	76.6	488	1.9e-63
17	EM_PRO:AF040570	Amycolatopsis mediterranei r	109528	76.4	76.4	521	2.3e-68
18	EM_PRO:AF242549	Amycolatopsis mediterranei D	3941	76.4	76.4	521	6e-68
48	EM_PRO:EU591496	Mycobacterium phlei ATCC:117	662	76.2	76.2	479	3.8e-61
22	EM_PRO:AY147171	Mycobacterium mucogenicum st	3949	75.8	75.8	521	1.4e-66
23	EM_PRO:AY147170	Mycobacterium mucogenicum st	3920	75.8	75.8	521	1.4e-66
32	EM_PRO:EU770582	Mycobacterium phocaicum stra	730	75.8	75.8	501	1.5e-63
35	EM_PRO:EU770581	Mycobacterium phocaicum stra	734	75.8	75.8	500	2.7e-63

19	EM_PRO:CP000479	Mycobacterium avium 104, com	5475491	75.6	75.6	521	1.4e-66
20	EM_PRO:AE016958	Mycobacterium avium subsp. p	4829781	75.6	75.6	521	1.4e-66
21	EM_PAT:DD369588	Mycobacterial Diagnostics.	4830849	75.6	75.6	521	1.4e-66
25	EM_PRO:AY147174	Mycobacterium mucogenicum st	3917	75.6	75.6	521	4.1e-66
28	EM_PRO:EU605693	Mycobacterium insubricum str	753	75.6	75.6	509	3.2e-64
45	EM_PRO:EF202188	Mycobacterium phocaicum RpoB	711	75.6	75.6	488	3.7e-61
26	EM_PRO:AY593981	Mycobacterium massiliense Rp	3843	75.5	75.5	522	1.8e-64
24	EM_PRO:CP000750	Kineococcus radiotolerans SR	4761183	75.4	75.4	521	4e-66
49	EM_PRO:EU597587	Mycobacterium gordonae isola	688	75.3	75.3	493	4.8e-61
31	EM_PRO:AY262739	Mycobacterium immunogenum st	3821	75.1	75.1	522	1.5e-63
46	EM_PRO:AM421383	Mycobacterium sp. MG5 partia	689	75.1	75.1	497	3.8e-61
47	EM_PRO:AM421389	Mycobacterium llatzerense pa	688	75.1	75.1	497	3.8e-61
38	EM_PRO:FJ418047	Mycobacterium simiae strain	728	75.0	75.0	509	7.7e-63
42	EM_PRO:EU370515	Mycobacterium mucogenicum st	726	74.9	74.9	506	4.5e-62
39	EM_PRO:CU458896	Mycobacterium abscessus chro	5067172	74.8	74.8	523	1.2e-62
40	EM_PRO:AY262741	Mycobacterium abscessus stra	4142	74.8	74.8	523	3.4e-62
41	EM_PRO:AY147164	Mycobacterium abscessus stra	4080	74.8	74.8	523	3.4e-62
27	EM_PRO:AM420293	Saccharopolyspora erythraea	8212805	74.7	74.7	521	2.7e-64
29	EM_PRO:AY147163	Mycobacterium chelonae strai	4162	74.7	74.7	522	4.4e-64
30	EM_PRO:AY262740	Mycobacterium chelonae strai	3822	74.7	74.7	521	8.2e-64
44	EM_PRO:AM421391	Mycobacterium llatzerense pa	682	74.6	74.6	496	3.4e-61
36	EM_PRO:AY859692	Mycobacterium bolletii CIP 1	3839	74.3	74.3	521	6.7e-63
37	EM_PRO:EU684590	Actinosynnema pretiosum subs	3483	74.3	74.3	521	6.9e-63
50	EM_PRO:FJ418059	Mycobacterium chelonae strai	730	74.3	74.3	509	5.3e-61
43	EM_PRO:CP001341	Arthrobacter chlorophenicu	4395537	73.8	73.8	522	1.5e-61

