

Appendix II: 16S rDNA from group specific library from the environmental samples.

Accession	Description	Max score	Total score	Query coverage	E value	Max ident	Links
FJ189470.1	Uncultured Deinococcus sp. clone 6Crc 16S ribosomal RNA gene, partial sequence	1122	1122	100%	0.0	100%	
FJ189470.1	Uncultured Deinococcus sp. clone 19Crc 16S ribosomal RNA gene, partial sequence	1122	998	99%	0.0	97%	
FJ189470.1	Deinococcus aquaticus strain D527 16S ribosomal RNA gene, partial sequence	1122	985	97%	0.0	97%	
FJ189470.1	Deinococcus radiopugnans ATCC 19172 16S ribosomal RNA, partial sequence	1122	982	97%	0.0	97%	
FJ189470.1	Deinococcus sp. 34/20 16S ribosomal RNA gene, partial sequence	1122	950	97%	0.0	95%	
FJ189470.1	Deinococcus sp. 5516T-9 16S ribosomal RNA gene, partial sequence	1122	927	95%	0.0	95%	
FJ189470.1	Deinococcus sp. 146 16S ribosomal RNA gene, partial sequence	1122	927	95%	0.0	95%	
FJ189470.1	Deinococcus sp. 183 16S ribosomal RNA gene, partial sequence	1122	927	95%	0.0	95%	
FJ189470.1	Uncultured bacterium clone JPL2-78 16S ribosomal RNA gene, partial sequence	1122	927	95%	0.0	95%	
FJ189470.1	Deinococcus sp. BE4-4 16S ribosomal RNA gene, partial sequence >gb GQ3	1122	922	95%	0.0	95%	
FJ189470.1	Uncultured bacterium clone ncd1436e01c1 16S ribosomal RNA gene, partial	1122	921	95%	0.0	95%	
FJ189470.1	Uncultured bacterium clone ncd1435e09c1 16S ribosomal RNA gene, partial	1122	921	95%	0.0	95%	

LOCUS FJ189470 611 bp DNA linear ENV 30-SEP-2008

DEFINITION Uncultured Deinococcus sp. clone 6Crc 16S ribosomal RNA gene, partial sequence.

ACCESSION FJ189470

VERSION FJ189470.1 GI:206601414

KEYWORDS ENV.

SOURCE uncultured Deinococcus sp.

ORGANISM uncultured Deinococcus sp.
Bacteria; Deinococcus-Thermus; Deinococci; Deinococcales; Deinococcaceae; Deinococcus; environmental samples.

REFERENCE 1 (bases 1 to 611)

AUTHORS Chaturvedi,R. and Archana,G.

TITLE Development of a heminested polymerase chain reaction protocol for the detection of Deinococcus species from environmental samples

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 611)

AUTHORS Chaturvedi,R. and Archana,G.

TITLE Direct Submission

JOURNAL Submitted (06-SEP-2008) Department of Microbiology and Biotechnology Centre, The M.S. University of Baroda, Sayajigunj, Vadodara, Gujarat 390 002, India

FEATURES Location/Qualifiers

source 1..611
/organism="uncultured Deinococcus sp."
/mol_type="genomic DNA"
/isolation_source="chromium contaminated soil"
/db_xref="taxon:158789"
/clone="6Crc"
/environmental_sample
/country="India: Vadodara"
/note="PCR_primers=fwd_name: DeinoF, rev_name: 1107R"

rRNA <1..>611
/product="16S ribosomal RNA"

ORIGIN

1 cgggccagat atagcaccgg gttaattcgt ccagcagccg cggtaatacg gaggggcaag
61 cgttaccggg aatcactggg cgtaaagggc gtgtaggcgg cctgccaaagt ctggttttaa
121 agcctgcggc tcaaccgcag agatggactg gagactggta ggctagacct ctggagagag
181 aactggaatt ctgggtgtag cgggtggaatg cgtagatacc aggaggaaca cgaatggcga
241 aggcaggttc ctggacagaa ggtgacgctg aggcgcgaaa gtgtggggag caaacgggat
301 tagatacccg gtagtccac accctaaacg atgtacgttg gcctacagca ggatgctgtt
361 gtgggcgaag ctaacgcgat aaacgtaccg cctgggaagt acggccgcaa ggttgaaact
421 caaaggaatt gacgggggcc cgcacaagcg gtggagcatg tggtttaatt cgaagcaacg
481 cgaagaacct taccaggtct tgacatccca tgaacctctt gtagtagatc agggggagcc
541 cttcggggag tctatggaga cagtaggtag catggctgtc gtcagctcgt gtcggagatg

601 cccccccccc c
//

Accession	Description	Max score	Total score	Query coverage	E-value	Max ident	Links
U000000	Uncultured Deinococcus sp. clone 19Crc 16S ribosomal RNA gene, partial sequence	121.7	121.7	100%	0.0	100%	
AF042448	Deinococcus radiopugnans ATCC 19172 16S ribosomal RNA, partial sequence	121.5	121.0	98%	0.0	97%	
F080104	Deinococcus aquaticus strain D527 16S ribosomal RNA gene, partial sequence	121.5	120.4	98%	0.0	97%	
F081011	Deinococcus sp. VUG-A62 16S ribosomal RNA gene, partial sequence	121.5	121.6	98%	0.0	98%	
F081014	Deinococcus sp. R-36711 partial 16S rRNA gene, strain R-36711	121.5	121.6	98%	0.0	98%	
F081016	Deinococcus marmoris partial 16S rRNA gene, strain R-38408	121.5	121.6	98%	0.0	98%	
F081017	Uncultured Deinococcus sp. clone 25Crc 16S ribosomal RNA gene, partial sequence	121.5	121.6	98%	0.0	98%	
F081018	Deinococcus sp. 1A6 16S ribosomal RNA gene, partial sequence	121.5	121.6	98%	0.0	98%	
F081019	Deinococcus sp. 1B3 16S ribosomal RNA gene, partial sequence	121.5	121.6	98%	0.0	98%	
F081020	Uncultured bacterium clone JPL2-78 16S ribosomal RNA gene, partial sequence	121.5	121.6	98%	0.0	98%	
F081021	Deinococcus marmoris strain AA-63 16S ribosomal RNA, complete sequence	121.5	121.6	98%	0.0	98%	
F081022	Deinococcus sp. AA69 16S rRNA gene, strain AA69	121.5	121.6	98%	0.0	98%	

LOCUS FJ222448 794 bp DNA linear ENV 05-OCT-2008
DEFINITION Uncultured Deinococcus sp. clone 19Crc 16S ribosomal RNA gene, partial sequence.
ACCESSION FJ222448
VERSION FJ222448.1 GI:207298848
KEYWORDS ENV.
SOURCE uncultured Deinococcus sp.
ORGANISM uncultured Deinococcus sp.
Bacteria; Deinococcus-Thermus; Deinococci; Deinococcales; Deinococcaceae; Deinococcus; environmental samples.
REFERENCE 1 (bases 1 to 794)
AUTHORS Chaturvedi,R. and Archana,G.
TITLE Development of a heminested polymerase chain reaction protocol for the detection of Deinococcus species from environmental samples
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 794)
AUTHORS Chaturvedi,R. and Archana,G.
TITLE Direct Submission
JOURNAL Submitted (10-SEP-2008) Department of Microbiology and Biotechnology Center, The M.S. University of Baroda, Sayajigunj,Vadodara, Gujarat 390 002, India
FEATURES Location/Qualifiers
source 1..794
/organism="uncultured Deinococcus sp."
/mol_type="genomic DNA"
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/clone="19Crc"
/environmental_sample
/country="India: Vadodara"
/note="PCR_primers=fwd_name: Deino F, rev_name: 1107R"
rRNA <1..>794
/product="16S ribosomal RNA"

ORIGIN
1 aggggggccc gacccgcgct gaaaggtggc cgtcccagg catgaaaccg gttcccacc
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121 gagggatgaa ggtttcggat cgtaaaccct tgaatctggg acgaaagacc gcgaagagcg
181 gagatgacgg taccagagta atagcacggg ctaactccgt gccagcagcc gcggtaatat
241 ggagggtgca agcgttaccc ggaatcactg ggcgtaaagg gcgtgtaggc ggctgcca
301 gtctggtttt aaagcctgcg gctcaaccgc agagatggac tggagactgg taggctagac
361 ctctggagag agaactggaa ttcctggtgt agcggtagg tgcgtagata ccaggaggaa
421 caccgatggc gaaggcaggt tcttggacag aaggtgacgc tgaggcgcga aagtgtgggg
481 agcaaaccgg attagatacc cgggtagtcc acaccctaaa cgatgtacgt tggcctacag
541 caggatgctg ttgtgggcca agctaaccgc ataaacgtac cgctgggaa gtacggccgc
601 aaggttgaaa ctcaaaggaa ttgacggggg cccgcacaag cgggtggagca tgtggtttaa
661 ttcgaagcaa cgcgaagaac cttaccaggt cttgacatcc catgaacccc tgagagatca
721 gggggagccc ttcggggagc atggagacag agtgagcatg gctgtcgtca gtcgggtcgg
781 agatgcacac cccc

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Accession	Description	Max score	Total score	Query coverage	E-value	Max ident	Links
FJ222449	Uncultured Deinococcus sp. clone 22Crc 16S ribosomal RNA gene, partial sequence	1225	1452	100%	0.0	100%	
AF161622	Deinococcus radiopugnans ATCC 19172 16S ribosomal RNA, partial sequence	1225	1306	99%	0.0	97%	
FJ222449	Deinococcus aquaticus strain D527 16S ribosomal RNA gene, partial sequence	1225	1302	99%	0.0	96%	
FJ222449	Uncultured Deinococcus sp. clone 25Crc 16S ribosomal RNA gene, partial sequence	1225	1285	99%	0.0	96%	
FJ222449	Deinococcus saxicola strain AA-1444 16S ribosomal RNA, complete sequence	1225	1245	99%	0.0	95%	
FJ222449	Deinococcus marmonis partial 16S rRNA gene, strain R-38408	1225	1234	99%	0.0	95%	
FJ222449	Deinococcus sp. 5516T-9 16S ribosomal RNA gene, partial sequence	1225	1234	99%	0.0	95%	
FJ222449	Deinococcus marmonis strain AA-63 16S ribosomal RNA, complete sequence	1225	1234	99%	0.0	95%	
FJ222449	Deinococcus sp. AA69 16S rRNA gene, strain AA69	1225	1234	99%	0.0	95%	
FJ222449	Deinococcus sp. VTT E-052909 16S ribosomal RNA gene, complete sequence	1225	1229	99%	0.0	95%	
FJ222449	Deinococcus sp. AA752 16S rRNA gene, strain AA752	1225	1229	99%	0.0	95%	
FJ222449	Deinococcus sp. AA829 16S rRNA gene, strain AA829	1225	1229	99%	0.0	95%	

LOCUS FJ222449 786 bp DNA linear ENV 05-OCT-2008

DEFINITION Uncultured Deinococcus sp. **clone 22Crc** 16S ribosomal RNA gene, partial sequence.

ACCESSION FJ222449

VERSION FJ222449.1 GI:207298849

KEYWORDS ENV.

SOURCE uncultured Deinococcus sp.

ORGANISM uncultured Deinococcus sp.
Bacteria; Deinococcus-Thermus; Deinococci; Deinococcales; Deinococcaceae; Deinococcus; environmental samples.

REFERENCE 1 (bases 1 to 786)

AUTHORS Chaturvedi,R. and Archana,G.

TITLE Development of a heminested polymerase chain reaction protocol for the detection of Deinococcus species from environmental samples

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 786)

AUTHORS Chaturvedi,R. and Archana,G.

TITLE Direct Submission

JOURNAL Submitted (10-SEP-2008) Department of Microbiology and Biotechnology Center, The M.S. University of Baroda, Sayajigunj,Vadodara, Gujarat 390 002, India

FEATURES

Location/Qualifiers

source 1..786
/organism="uncultured Deinococcus sp."
/mol_type="genomic DNA"
/isolation_source="chromium contaminated soil"
/db_xref="taxon:158789"
/clone="22Crc"
/environmental_sample
/country="India: Vadodara"
/note="PCR_primers=fwd_name: Deino F, rev_name: 1107R"

rRNA <1..>786
/product="16S ribosomal RNA"

ORIGIN

1 ctactggtgg ggtaggccca ccaacggcga cgacggatca ccggcctgag aggggtggccg
61 gtcacagggg cactgagaca cgggtccac tcctacggga ggcagcagtt aggaatcttc
121 cccaatggac gaaagtctga gggagcgacg ccgcgtgagg gatgaagggtt ttcggatcgt
181 aaacctctga atctgggacg aaagaccgag aagagcggag atgacggtag cagagtaata
241 gcaccggcta actccgtgcc agcagccgag gtaatacga gggtgcaagc gttaccggga
301 atcactgggc gtaaagggcg ttagggcggc ctgccaagtc tggttttaaa gcctgcggct
361 caaccgcaga gatggactgg agactggtag gctagacctc tggagagaga actggaattc
421 ctggtgtagc ggtggaatgc gtagatacca ggaggaacac cgatggcgaa ggcaggttct
481 tggacagaag gtgacgtga ggcgcgaaag tgtggggagc aaaccggatt agataccggg
541 gtatgccaca ccctaaacga tgtacgttgg cctacagcag gatgtgtttg tgggcgaagc
601 tagcgcgata aacgtaccgc ctgggaagta cggccgcaag gttgaaactc aaaggaattg
661 acggggcccg cacagcgtg agcatgtgtt tattcgaagc aacacgaaga tctacagtct
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781 ctgtcg

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Accession	Description	Max score	Total score	Query coverage	E value	Max ident	Link
FJ222450	Uncultured Deinococcus sp. clone 25Crc 16S ribosomal RNA gene, partial sequence	1282	1284	100%	0.0	100%	
FJ222450	Deinococcus radiopugnans ATCC 19172 16S ribosomal RNA, partial sequence	1282	1280	99%	0.0	97%	
FJ222450	Deinococcus aquaticus strain DS27 16S ribosomal RNA gene, partial sequence	1282	1276	99%	0.0	97%	
FJ222450	Deinococcus marmoris partial 16S rRNA gene, strain R-38408	1282	1202	94%	0.0	96%	
FJ222450	Deinococcus saxicola strain AA-1444 16S ribosomal RNA, complete sequence	1282	1287	99%	0.0	95%	
FJ222450	Uncultured Deinococcus sp. clone 22Crc 16S ribosomal RNA gene, partial sequence	1282	1285	97%	0.0	96%	
FJ222450	Bacterium EA10-69 16S ribosomal RNA gene, complete sequence	1282	1281	99%	0.0	95%	
FJ222450	Deinococcus sp. VUG-A62 16S ribosomal RNA gene, partial sequence	1282	1281	99%	0.0	95%	
FJ222450	Deinococcus sp. R-36711 partial 16S rRNA gene, strain R-36711	1282	1281	99%	0.0	95%	
FJ222450	Deinococcus sp. 5516T-9 16S ribosomal RNA gene, partial sequence	1282	1281	99%	0.0	95%	
FJ222450	Deinococcus marmoris strain AA-63 16S ribosomal RNA, complete sequence	1282	1281	99%	0.0	95%	
FJ222450	Deinococcus sp. AA69 16S rRNA gene, strain AA69	1282	1281	99%	0.0	95%	

LOCUS FJ222450 814 bp DNA linear ENV 05-OCT-2008
DEFINITION **Uncultured Deinococcus sp. clone 25Crc** 16S ribosomal RNA gene, partial sequence.
ACCESSION FJ222450
VERSION FJ222450.1 GI:207298850
KEYWORDS ENV.
SOURCE uncultured Deinococcus sp.
ORGANISM uncultured Deinococcus sp.
Bacteria; Deinococcus-Thermus; Deinococci; Deinococcales; Deinococcaceae; Deinococcus; environmental samples.
REFERENCE 1 (bases 1 to 814)
AUTHORS Chaturvedi,R. and Archana,G.
TITLE Development of a heminested polymerase chain reaction protocol for the detection of Deinococcus species from environmental samples
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 814)
AUTHORS Chaturvedi,R. and Archana,G.
TITLE Direct Submission
JOURNAL Submitted (10-SEP-2008) Department of Microbiology and Biotechnology Center, The M.S. University of Baroda, Sayajigunj,Vadodara, Gujarat 390 002, India
FEATURES Location/Qualifiers
source 1..814
/organism="uncultured Deinococcus sp."
/mol_type="genomic DNA"
/isolation_source="chromium contaminated soil"
/db_xref="taxon:158789"
/clone="25Crc"
/environmental_sample
/country="India: Vadodara"
/note="PCR_primers=fwd_name: Deino F, rev_name: 1107R"
rRNA <1..>814
/product="16S ribosomal RNA"

ORIGIN
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61 cacaggggca ctgagacacg ggtccactc ctacgggagg cagcagttag gaatcttccc
121 caatggacga aagtctgagg gagcgacgcc gcgtgaggga tgaaggtttt cggatcgtaa
181 acctctgaat ctgggacgaa agaccgcgaa gagcggagat gacggtacca gagtaatagc
241 accggctaac tccgtgccag cagccgcggt aatacggagg gtgcaagcgt taccgcgaat
301 cactgggcgt aaagggcgtg taggcggcct gccaaagtctg gttttaaagc ctgcggctcg
361 accgcagaga tggactggag actggtaggc tagacctctg gagagagaac tggaaattcct
421 ggtgtagcgg tggaatgcgt agataccagg aggaacaccg atggcgaagg caggttcttg
481 gacagaaggt gacgctgagg cgcgaaagtg tggggagcaa accggattaa taccggggtg
541 gtccacaccc taaacgatgt acgttggcct acagcaggat gctgttgtgg gcgaagctaa
601 cgcgataaac gtaccgcctg ggaagtacgg ccgcaagggt gaaactcaaa ggaattgacg
661 ggggcccgca caagcgggtg agcatggggt ttaattcgaa gcaacgcgaa aaccttacag
721 gtcttgacat cccatgaacc ctgaaaaaca aggggtgccc ttcggggagc atgaacaggt
781 gctgcatggt gtcgtcaact ctgtcagaat gttg
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Accession	Description	Max score	Total score	Query coverage	E value	Max ident	Links
NR_043157.1	Deinococcus hapiensis KR-140 strain KR-140 16S ribosomal RNA, part	817	817	99%	0.0	91%	
NR_025471.1	Deinococcus radiodurans strain DSM 20539 16S ribosomal RNA, partia	894	894	99%	0.0	91%	
NR_045542.1	Deinococcus xinjiangensis strain X-82 16S ribosomal RNA, partial seq	883	883	99%	0.0	91%	
NR_043743.1	Deinococcus yunweiensis strain YIM 007 16S ribosomal RNA, partial s	872	872	99%	0.0	90%	
NR_041292.1	Deinococcus ficus strain CC-FR2-10 16S ribosomal RNA, partial seque	856	856	99%	0.0	90%	
NR_025624.1	Deinococcus indicus strain Wt/1a 16S ribosomal RNA, partial sequenc	856	856	99%	0.0	90%	
NF_044497.1	Deinococcus gobiensis I-0 strain I-0 16S ribosomal RNA, partial seque	850	850	99%	0.0	90%	
NR_041694.1	Deinococcus aquabilis strain : CCUG 53370 16S ribosomal RNA, partial	850	850	99%	0.0	90%	
NR_042152.1	Deinococcus sonorensis KR-87 strain KR-87 16S ribosomal RNA, partiz	850	850	99%	0.0	90%	
NR_041155.1	Deinococcus hohokamensis strain KR-40 16S ribosomal RNA, partial sr	850	850	99%	0.0	90%	
NR_042243.1	Deinococcus deserti VCD115 strain VCD115 16S ribosomal RNA, partia	850	850	99%	0.0	90%	
NR_026139.1	Deinococcus grandis strain DSM 3963 16S ribosomal RNA, partial seq	850	850	99%	0.0	90%	

LOCUS HQ738631 677 bp DNA linear ENV
09-MAR-2011

DEFINITION **Uncultured Deinococcus sp. clone G1** 16S ribosomal RNA
gene, partial sequence.

ACCESSION HQ738631

VERSION HQ738631.1 GI:325296106

KEYWORDS ENV.

SOURCE uncultured Deinococcus sp.

ORGANISM uncultured Deinococcus sp.
Bacteria; Deinococcus-Thermus; Deinococci; Deinococcales;
Deinococcaceae; Deinococcus; environmental samples.

REFERENCE 1 (bases 1 to 677)

AUTHORS Chaturvedi,R. and Archana,G.

TITLE Development of a heminested polymerase chain reaction
protocol for the detection of Deinococcus species from
environmental samples

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 677)

AUTHORS Chaturvedi,R. and Archana,G.

TITLE Direct Submission

JOURNAL Submitted (20-DEC-2010) Department of Microbiology and
Biotechnology Centre, M.S. University of Baroda,

Sayajigunj,
Vadodara, Gujarat 390002, India

FEATURES Location/Qualifiers

source
1..677
/organism="uncultured Deinococcus sp."
/mol_type="genomic DNA"
/isolation_source="Greater Rann of Kutch"
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/clone="G1"
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/country="India"
/note="PCR_primers=fwd_name: DeinoF, rev_name:

Eubacterial

1107R"
rRNA
<1..>677
/product="16S ribosomal RNA"

ORIGIN

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61 gaacccttcg gggagatgac ggtagtcggg taatagcacc ggctaactcc gtgccagcag
121 ccgcggtaat acggagggtg caagcgttac ccggaatcac tggcggtaca gggcgtgtag
181 gcggacactt aagtctggtt ttaaagaccg gggctcaacc ccggaagagg actggatact
241 ggggtgtctt acctctggag aggcacttgg aattcctggt gtacgcgttg aatgcgtaga
301 taccaggagg aacaccaatg gcgaaggcag gttgctggac agaaggtgac gctgaggcgc
361 gaaagtgtgg ggagcgaacc ggattagata cccgggtagt ccacacccta aacgatgtac
421 gttggctcat ggcaggatgc tgtcatgggc gaagctaacy cgataaacgt accgcctggg
481 aagtacggcc gcaaggttga aactcaagg aattgacggg ggcccgcaca agcggtgagg
541 catgtggtt aattcgatga tacgcgagga accttaccta ggctagaatg cgcgtgaccg
601 gagcagagat gtccttccc tcggggcac aaagcaaggt gcggcatggc tgtcgccagc

661 tcgtgccgtg aggggtgc
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Accession	Description	Max score	Total score	Query coverage	E value	Max ident	Links
NR_025416.1	Deinococcus murrayi DSM 11303 16S ribosomal RNA, partial sequence	1378	1378	99%	0.0	96%	
NR_040934.1	Deinococcus aerius strain TR0125 16S ribosomal RNA, partial sequenc	1267	1267	99%	0.0	94%	
NR_041158.1	Deinococcus apachensis strain KR-36 16S ribosomal RNA, partial sequ	1256	1256	99%	0.0	94%	
NR_043472.1	Deinococcus aquaticus strain PB314 16S ribosomal RNA, partial seque	1245	1245	99%	0.0	93%	
NR_043157.1	Deinococcus hopiensis KR-140 strain KR-140 16S ribosomal RNA, part	1234	1234	99%	0.0	93%	
NR_041487.1	Deinococcus aquiradiocola strain TDMA-uv53 16S ribosomal RNA, parl	1230	1230	98%	0.0	93%	
NR_042208.1	Deinococcus saxicola strain AA-1444 16S ribosomal RNA, complete se	1230	1230	99%	0.0	93%	
NR_042743.1	Deinococcus yunweiensis strain YIM 007 16S ribosomal RNA, partial s	1229	1229	99%	0.0	93%	
NR_043473.1	Deinococcus caeni strain Ho-08 16S ribosomal RNA, partial sequence	1223	1223	99%	0.0	93%	
NR_044542.1	Deinococcus xinjiangensis strain X-82 16S ribosomal RNA, partial sequ	1212	1212	99%	0.0	93%	
NR_042210.1	Deinococcus marmoris strain AA-63 16S ribosomal RNA, complete seq	1208	1208	99%	0.0	93%	
NR_042208.1	Deinococcus frigens strain AA-692 16S ribosomal RNA, complete sequ	1208	1208	99%	0.0	93%	

LOCUS HQ738632 839 bp DNA linear ENV
09-MAR-2011
DEFINITION **Uncultured Deinococcus sp. clone G4** 16S ribosomal RNA
gene, partial sequence.
ACCESSION HQ738632
VERSION HQ738632.1 GI:325296107
KEYWORDS ENV.
SOURCE uncultured Deinococcus sp.
ORGANISM uncultured Deinococcus sp.
Bacteria; Deinococcus-Thermus; Deinococci; Deinococcales;
Deinococcaceae; Deinococcus; environmental samples.
REFERENCE 1 (bases 1 to 839)
AUTHORS Chaturvedi,R. and Archana,G.
TITLE Development of a heminested polymerase chain reaction
protocol for the detection of Deinococcus species
from environmental samples
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 839)
AUTHORS Chaturvedi,R. and Archana,G.
TITLE Direct Submission
JOURNAL Submitted (20-DEC-2010) Department of Microbiology and
Biotechnology Centre, M.S. University of Baroda,
Sayajigunj,
Vadodara, Gujarat 390002, India
FEATURES Location/Qualifiers
source 1..839
/organism="uncultured Deinococcus sp."
/mol_type="genomic DNA"
/isolation_source="Greater Rann of Kutch"
/db_xref="taxon:158789"
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/country="India"
/note="PCR_primers=fwd_name: DeinoF, rev_name:
Eubacterial
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Accession	Description	Max score	Total score	Query coverage	E value	Max ident	Links
F078892.1	Uncultured Deinococcus sp. clone G10 16S ribosomal RNA gene, partial seq	1437	1557	100%	0.0	100%	
F078907.1	D.murrayi 16S rRNA gene, isolate RSG-1.2	1436	1434	99%	0.0	98%	
F078910.1	Uncultured Deinococcus sp. clone G4 16S ribosomal RNA gene, partial sequ	1435	1428	99%	0.0	98%	
F078919.1	D.murrayi 16S rRNA gene, isolate RSPS-7a	1435	1415	99%	0.0	97%	
F078946.1	Deinococcus murrayi DSM 11303 16S ribosomal RNA, partial sequence >eml	1435	1406	99%	0.0	97%	
F078970.1	Uncultured bacterium clone ncd763f02c1 16S ribosomal RNA gene, partial s	1435	1349	99%	0.0	95%	
F078969.1	Uncultured bacterium clone ncd762d09c1 16S ribosomal RNA gene, partial s	1435	1339	99%	0.0	95%	
F078979.1	Deinococcus sp. TDMA-21 gene for 16S rRNA, partial sequence	1435	1301	99%	0.0	95%	
F078978.1	Uncultured Deinococcus sp. clone V11-462 16S ribosomal RNA gene, partia	1435	1301	99%	0.0	95%	
F078976.1	Deinococcus aerius strain TR0125 16S ribosomal RNA, partial sequence >dt	1435	1288	99%	0.0	94%	
F078916.1	Bacterium EA10-69 16S ribosomal RNA gene, complete sequence	1435	1286	99%	0.0	94%	
F078917.1	Uncultured bacterium clone G18-sp-L20 16S ribosomal RNA gene, partial se	1435	1282	99%	0.0	94%	
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LOCUS	HQ738633	843 bp	DNA	linear	ENV
09-MAR-2011					
DEFINITION	Uncultured Deinococcus sp. clone G10 16S ribosomal RNA				
gene,					

partial sequence.

ACCESSION HQ738633

VERSION HQ738633.1 GI:325296108

KEYWORDS ENV.

SOURCE uncultured *Deinococcus* sp.

ORGANISM uncultured *Deinococcus* sp.
Bacteria; *Deinococcus-Thermus*; *Deinococci*; *Deinococcales*;
Deinococcaceae; *Deinococcus*; environmental samples.

REFERENCE	1 (bases 1 to 843)
AUTHORS	Chaturvedi,R. and Archana,G.
TITLE	Development of a heminested polymerase chain reaction protocol for the detection of Deinococcus species from environmental samples

JOURNAL Unpublished
REFERENCE 2 (bases 1 to 843)
AUTHORS Chaturvedi, R. and Archana, G.
TITLE Direct Submission
JOURNAL Submitted (20-DEC-2010) Department of Microbiology and
Biotechnology Centre, M.S. University of Baroda,
Sayajikunj, Vadodara, Gujarat 390002, India

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FEATURES             Location/Qualifiers
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