

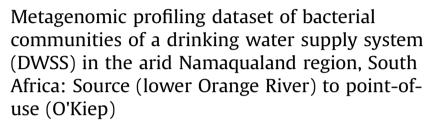
### Contents lists available at ScienceDirect

# Data in brief





# Data Article





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### ABSTRACT

The metagenomic data presented herein contains the bacterial community profile of a drinking water supply system (DWSS) supplying O'Kiep, Namaqualand, South Africa. Representative samples from the source (Orange River) to the point of use (O'Kiep), through a 150km DWSS used for drinking water distribution were analysed for bacterial content. PCR amplification of the 16S rRNA V1—V3 regions was undertaken using oligonucleotide primers 27F and 518R subsequent to DNA extraction. The PCR amplicons were processed using the illumina® reaction kits as per manufactures guidelines and sequenced using the illumina® MiSeq-2000, by means of MiSeq V3 kit. The data obtained was processed using a bioinformatics QIIME software with a compatible fast nucleic acid (fna) file. The raw sequences were deposited at the National Centre of Biotechnology (NCBI) and the Sequence

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Read Archive (SRA) database, obtaining accession numbers for each species identified.

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### Specification Table

Subject area	Drinking water supply system (DWSS), Biofilms, Microbial Ecology, Metagenomics
More specific subject	Metagenomics
area	
Type of data	Table
How data was acquired	Sequencing was performed on an illumina®MiSeq-2000, using MiSeq V3 (600 cycle) kits following procedures developed at Inqaba Biotech (Pretoria, South Africa) (www.inqababiotech.co.za)
Data format	Raw Data
Experimental factors	Metagenomic DNA was extracted from DWSS samples for sequencing.
Experimental	Lower Orange River (source) [-28°90′8617″S, 18°20′7317″E]
features	O'Kiep (point-of-use), South Africa [29°35′45″S, 17°52′51″E]
	Sample preparation: BioERG laboratory, Cape Town, South Africa [-33°93′0950″S, 18°43′3531″E]
Data source and location	DWSS, lower Orange River to O'Kiep, Namaqualand, South Africa
Data accessibility	The accession numbers of the sequences is publicly available on a public repository (http://hdl.handle.net/11189/6305) and are embedded within the supplementary materials.
Related research article	Richards, C.L., Broadaway, S.C., Eggers, M.J., Doyle, J., Pyle, B.H., Camper, A.K., Ford, T.E., 2018. Detection of Pathogenic and Non-pathogenic Bacteria in Drinking Water and Associated Biofilms on the Crow Reservation, Montana, USA. Microb Ecol 76: 52–63 [1]  The research article that is associated with this article is still under construction.
	The research article that is associated with this article is still under construction.

### Value of the data

- This data demonstrates the extent of bacterial contamination of a drinking water supply system in an arid region of Namaqualand, South Africa.
- This data can be used to determine the role of the detected bacteria with the observed clinical abnormalities experienced by the O'Kiep community.
- This data can also be used to develop mitigation techniques that will ensure that the drinking water is free of microbial contamination and suitable for drinking purposes.

### 1. Data

The presented data contains the microbial composition of a drinking water supply system (DWSS) for O'Kiep, Namaqualand, South Africa. Table 1 represents the bacterial composition of the source point at the lower Orange River while Table 2 shows the microbial composition of the treated water, distributed by a state owned agency responsible for water management activities in the region. Table 3 represents the microbial composition from a local municipal reservoir at O'Kiep storing the treated water from the water agency, which is further distributed to individual households in O'Kiep. Tables 4–10 represents microbial composition at the point-of- use, i.e. households' tap.

## 2. Experimental design, materials and methods

### 2.1. Sample collection

The DWSS samples were obtained from a 100km long pipe system designed to deliver a flow of 18 ML/day. Freshwater is sourced from the lower Orange River by a regional water supply system to the nearby towns including O'Kiep which is located in the Northern Cape,

**Table 1**Bacterial community composition of the Orange River as identified by 16S rDNA amplicon gene sequencing.

Organism/HIT	%	Accession
Uncultured bacterium	70.31	gi 507147308 gb KF037310.1
Uncultured sphingomonas	2.39	gi 389547923 gb JQ402851.1
Uncultured pirellula	1.81	gi 192804906 emb FM175708.1
Nocardioides sp.	1.21	gi 119534933 gb CP000509.1
Bacillus sp.	1.18	gi 697883209 gb KM205825.1
Uncultured bosea	0.95	gi 238914939 gb GQ129955.1
Uncultured pseudonocardia	0.79	gi 56547765 gb AY834333.1
Uncultured frankineae	0.78	gi 192805020 emb FM175822.1
Uncultured actinobacterium	0.69	gi 110753753 gb DQ828440.1
Proteobacterium	0.69	gi 451916633 gb KC450497.1
Pimelobacter simplex	0.48	gi 723622094 gb CP009896.1
Uncultured sphingobacterium	0.41	gi 451919518 gb KC453382.1
Proteobacterium	0.40	gi 116687962 gb AF114621.2
Uncultured sphaerobacteraceae	0.26	gi 219906550 emb AM935838.1
Uncultured proteobacterium	0.25	gi 134020863 gb EF019439.1
Uncultured acidobacteria	0.25	gi 330340199 gb JF521694.1
Uncultured rhizobiales	0.18	gi 317448927 emb FR695964.1
Uncultured chloroflexi	0.18	gi 389547105 gb JQ402033.1
Uncultured micrococcaceae	0.16	gi 389547004 gb JQ401932.1
Uncultured anaerolineaceae	0.15	gi 389546919 gb JQ401847.1
Uncultured rubrobacter	0.14	gi 389546452 gb JQ401380.1
Pantoea sp.	0.14	gi 756794783 gb KP326384.1
Variovorax paradoxus	0.13	gi 239804838 gb CP001636.1

Namaqualand region of South Africa [29°35′45″S, 17°52′51″E]. DWSS samples (n=9) were collected in April 2017 from the source to the point-of-use, i.e. at numerous household taps, in non-transparent 500 mL sterile polyethylene bottles which were immediately placed on ice prior to transportation to the laboratory. A composite sample (n=1) was initially collected from lower Orange River (Table 1). The second sample was composed of the treated water prior

**Table 2**Bacterial community composition of the treated water board agency reservoir as identified by 16S rDNA amplicon gene sequencing.

Organism/HIT	%	Accession
Uncultured bacterium	64.99	gi 206599296 gb FJ206955.1
Uncultured actinobacterium	6.70	gi 307092119 gb HM480655.1
Actinophytocola xinjiangensis	6.18	gi 636560203 ref NR_116263.1
Myxococcus stipitatus	4.36	gi 441484664 gb CP004025.1
Mycobacterium neoaurum	3.24	gi 674790876 gb CP006936.2
Uncultured anaerolineae	1.72	gi 219932282 emb FM209128.1
Modestobacter marinus	0.78	gi 388483940 emb FO203431.1
Nocardioides sp.	0.58	gi 119534933 gb CP000509.1
Uncultured acidobacteria	0.57	gi 341867197 gb JN205269.1
Pimelobacter simplex	0.54	gi 723622094 gb CP009896.1
Proteobacterium	0.42	gi 323709899 gb HQ857672.1
Uncultured proteobacterium	0.29	gi 110753316 gb DQ828003.1
Uncultured aquificae	0.28	gi 523452696 gb KF183116.1
Uncultured chloroflexi	0.27	gi 781796715 emb LN797050.1
Uncultured acidobacteriaceae	0.25	gi 192805191 emb FM175993.1
Mycobacterium avium	0.23	gi 701188573 gb CP009614.1
Uncultured microorganism	0.21	gi 478859630 gb KC841593.1
Proteobacterium	0.21	gi 825508410 gb KR705964.1
Uncultured planctomycete	0.16	gi 162287674 gb EU299101.1
Uncultured pseudonocardia	0.16	gi 56547765 gb AY834333.1
Uncultured rubrobacter	0.15	gi 389545690 gb JQ400618.1

**Table 3**Bacterial community composition of the O'Kiep municipal reservoir as identified by 16S rDNA amplicon gene sequencing.

Organism/HIT	%	Accession
Uncultured bacterium	81.6	gi 399762709 gb JX079102.1
Uncultured verrucomicrobia	4.32	gi 325973802 emb FR749796.1
Uncultured pseudonocardia	1.61	gi 532020985 gb KF150649.1
Nocardioides sp.	0.88	gi 119534933 gb CP000509.1
Uncultured acidobacteria	0.87	gi 31789464 gb AY281356.1
Natronomonas moolapensis	0.67	gi 452081962 emb HF582854.1
Bradyrhizobium sp.	0.61	gi 146189981 emb CU234118.1
Uncultured rhizobiales	0.42	gi 630060146 gb KJ191972.1
Desulfovibrio desulfuricans	0.42	gi 219867585 gb CP001358.1
Pimelobacter simplex	0.36	gi 723622094 gb CP009896.1
Conexibacter woesei	0.35	gi 283945692 gb CP001854.1
Sphingomonas sp.	0.34	gi 918399443 emb HF544321.2
Variovorax paradoxus	0.33	gi 239799596 gb CP001635.1
Modestobacter marinus	0.30	gi 388483940 emb FO203431.1
Uncultured proteobacterium	0.27	gi 155008368 gb EU052121.1
Uncultured actinobacterium	0.25	gi 298231355 emb FN811226.1
Mycobacterium smegmatis	0.22	gi 433294648 gb CP003078.1
Clavibacter michiganensis	0.20	gi 147829108 emb AM711867.1
Leptothrix cholodnii	0.19	gi 170774137 gb CP001013.1
Croceicoccus naphthovorans	0.16	gi 831206920 gb CP011770.1
Limnochorda pilosa	0.15	gi 921142775 dbj AP014924.1
Microvirga sp.	0.14	gi 902761130 dbj LC065182.1
Pandoraea apista	0.13	gi 827413822 gb CP011501.1
Uncultured planctomycete	0.13	gi 197360261 gb EU979049.1

to distribution (n = 1) at the local water supply agency reservoir (Table 2). A similar composite sample (n = 1) from the local municipal reservoir (Table 3) and samples (n = 6) were randomly collected from households' taps (Tables 4–10). All samples were handled according to the guidelines used for drinking water quality standard quantification [2,3].

**Table 4**Bacterial community composition of the household as identified by 16S rDNA amplicon gene sequencing.

Organism/HIT	%	Accession
Uncultured bacterium	81.6	gi 399762709 gb JX079102.1
Uncultured verrucomicrobia	4.32	gi 325973802 emb FR749796.1
Uncultured pseudonocardia	1.61	gi 532020985 gb KF150649.1
Nocardioides sp.	0.88	gi 119534933 gb CP000509.1
Uncultured acidobacteria	0.87	gi 31789464 gb AY281356.1
Natronomonas moolapensis	0.67	gi 452081962 emb HF582854.1
Bradyrhizobium sp.	0.61	gi 146189981 emb CU234118.1
Uncultured rhizobiales	0.42	gi 630060146 gb KJ191972.1
Desulfovibrio desulfuricans	0.42	gi 219867585 gb CP001358.1
Pimelobacter simplex	0.36	gi 723622094 gb CP009896.1
Conexibacter woesei	0.35	gi 283945692 gb CP001854.1
Sphingomonas sp.	0.34	gi 918399443 emb HF544321.2
Variovorax paradoxus	0.33	gi 239799596 gb CP001635.1
Modestobacter marinus	0.30	gi 388483940 emb FO203431.1
Uncultured proteobacterium	0.27	gi 155008368 gb EU052121.1
Uncultured actinobacterium	0.25	gi 298231355 emb FN811226.1
Mycobacterium smegmatis	0.22	gi 433294648 gb CP003078.1
Clavibacter michiganensis	0.20	gi 147829108 emb AM711867.1
Leptothrix cholodnii	0.19	gi 170774137 gb CP001013.1
Croceicoccus naphthovorans	0.16	gi 831206920 gb CP011770.1
Limnochorda pilosa	0.15	gi 921142775 dbj AP014924.1
Microvirga sp.	0.14	gi 902761130 dbj LC065182.1
Pandoraea apista	0.13	gi 827413822 gb CP011501.1
Uncultured planctomycete	0.13	gi 197360261 gb EU979049.1

**Table 5**Bacterial community composition of the household as identified by 16S rDNA amplicon gene sequencing.

Organism/HIT	%	Accession
Uncultured bacterium	68.84	gi 385762390 gb JQ427676.1
Uncultured modestobacter	10.87	gi 627529403 gb KJ473576.1
Uncultured pseudonocardia	2.99	gi 56547765 gb AY834333.1
Uncultured acidobacteria	1.82	gi 255669588 gb GQ301073.1
Uncultured micrococcineae	1.20	gi 192806380 emb FM176888.1
Uncultured actinobacterium	1.11	gi 197360258 gb EU979046.1
Microbacterium sp.	0.81	gi 166197412 dbj AB376081.1
Uncultured niastella	0.73	gi 429999989 gb KC110902.1
Nocardioides sp.	0.62	gi 119534933 gb CP000509.1
Uncultured beta proteobacterium	0.62	gi 451916627 gb KC450491.1
Uncultured actinomycete	0.48	gi 408830686 gb JX507179.1
Pimelobacter simplex	0.34	gi 723622094 gb CP009896.1
Uncultured proteobacterium	0.33	gi 781849781 emb LN808336.1
Uncultured planctomycete	0.31	gi 781829912 emb LN803963.1
Kineococcus radiotolerans	0.29	gi 196121877 gb CP000750.2
Proteobacterium	0.28	gi 238953279 emb FM252918.1
Modestobacter marinus	0.24	gi 388483940 emb FO203431.1
Uncultured streptomyces	0.23	gi 410699491 gb JX576003.1
Uncultured hyphomicrobium	0.23	gi 192805496 emb FM176298.1
Uncultured burkholderiales	0.21	gi 630060167 gb KJ191993.1
Arthrobacter sp.	0.18	gi 723606223 gb CP007595.1
Rhodopseudomonas palustris	0.14	gi 86570155 gb CP000250.1
Uncultured hyphomicrobiaceae	0.14	gi 389547438 gb JQ402366.1
Ralstonia eutropha	0.14	gi 113528459 emb AM260480.1

# 2.2. DNA extraction and sequencing

The samples were filtered through a 0.22-µm micropore cellulose membrane (Merckmillipore, USA) and the membrane was pre-washed with a sterile saline solution followed by the isolation of

**Table 6**Bacterial community composition of the household as identified by 16S rDNA amplicon gene sequencing.

Organism/HIT	%	Accession
Uncultured bacterium	81.15	gi 330372577 gb JF340965.1
Uncultured actinobacterium	3.87	gi 339646678 gb JN037891.1
Uncultured rhizobiales	2.37	gi 389546865 gb JQ401793.1
Uncultured acidobacteria	1.08	gi 430803015 gb KC011124.1
Proteobacterium	1.04	gi 18874511 gb AF469355.1
Uncultured planctomycete	0.80	gi 146430072 gb EF220888.1
Nocardioides sp.	0.79	gi 119534933 gb CP000509.1
Uncultured gemmatimonadetes	0.58	gi 151352239 gb EF664948.1
Uncultured anaerolineae	0.52	gi 219932282 emb FM209128.1
Uncultured actinomadura	0.48	gi 389546715 gb JQ401643.1
Streptomyces sp.	0.47	gi 822591927 gb CP011492.1
Pimelobacter simplex	0.44	gi 723622094 gb CP009896.1
Uncultured pirellula	0.33	gi 192804504 emb FM175306.1
Proteobacterium	0.29	gi 197360274 gb EU979062.1
Uncultured chloroflexi	0.27	gi 311336157 gb HQ183884.1
Modestobacter marinus	0.26	gi 388483940 emb FO203431.1
Rhizobium sp.	0.24	gi 584450787 emb HG916852.1
Variovorax paradoxus	0.20	gi 239799596 gb CP001635.1
Uncultured sphingomonas	0.20	gi 389547992 gb JQ402920.1
Uncultured frankineae	0.19	gi 192805020 emb FM175822.1
Frankia alni	0.15	gi 111147037 emb CT573213.2
Uncultured xiphinematobacteriaceae	0.14	gi 192806445 emb FM176953.1
Uncultured hyphomicrobiaceae	0.13	gi 166783119 gb EU266779.1
Rhodopseudomonas palustris	0.11	gi 39648490 emb BX572598.1

**Table 7**Bacterial community composition of the household as identified by 16S rDNA amplicon gene sequencing.

Organism/HIT	%	Accession
Uncultured bacterium	77.81	gi 558611484 gb KF711530.1
Proteobacterium	1.68	gi 451914712 gb KC448576.1
Uncultured actinobacterium	0.98	gi 347438733 gb JN178920.1
Alicyclobacillus acidocaldarius	0.73	gi 339287872 gb CP002902.1
Proteobacterium	0.67	gi 294828896 gb GU929355.1
Nocardioides sp.	0.65	gi 119534933 gb CP000509.1
Uncultured rubrobacterales	0.58	gi 672229606 emb HE861099.1
Uncultured acidobacteria	0.56	gi 389545490 gb JQ400418.1
Uncultured anaerolineae	0.54	gi 219932282 emb FM209128.1
Uncultured proteobacterium	0.49	gi 110753058 gb DQ827745.1
Uncultured novosphingobium	0.45	gi 375271615 gb JQ649064.1
Uncultured cyanobacterium	0.35	gi 300679387 gb HM439308.1
Pimelobacter simplex	0.33	gi 723622094 gb CP009896.1
Natronomonas moolapensis	0.28	gi 452081962 emb HF582854.1
Uncultured janthinobacterium	0.27	gi 726973695 gb KM391622.1
Uncultured myxococcales	0.18	gi 389545327 gb JQ400255.1
Microbacterium sp.	0.18	gi 590121444 emb HE716934.1
Uncultured hyphomicrobiaceae	0.17	gi 166783147 gb EU266807.1
Variovorax paradoxus	0.17	gi 239799596 gb CP001635.1
Uncultured verrucomicrobia	0.16	gi 523452882 gb KF183302.1
Conexibacter woesei	0.15	gi 283945692 gb CP001854.1
Uncultured prokaryote	0.14	gi 283463150 gb GU208299.1
Modestobacter marinus	0.14	gi 388483940 emb FO203431.1
Uncultured planctomycete	0.12	gi 523452694 gb KF183114.1

the genomic DNA using a PowerWater<sup>®</sup> DNA isolation kit (MO BIO Laboratories, Canada) as per the manufacturer guidelines. The DNA purity and concentration were quantified using a microspectrophotometry (NanoDrop<sup>TM</sup> 2000/2000c Spectrophotometers Technologies, Wilmington, DE) and the DNA concentration ranged from 10.7 to 17.3 ng/ $\mu$ L.

**Table 8**Bacterial community composition of the household as identified by 16S rDNA amplicon gene sequencing.

Organism/HIT	%	Accession
Uncultured bacterium	73.89	gi 134021494 gb EF020070.1
Uncultured acidobacteria	5.01	gi 325147373 gb HQ597354.1
Pseudonocardia sp.	3.34	gi 124488038 gb EF216352.1
Uncultured singulisphaera	3.25	gi 343787932 gb JN367174.1
Uncultured firmicutes	2.81	gi 392522374 gb JX041802.1
Proteobacterium	1.59	gi 451918460 gb KC452324.1
Uncultured actinobacterium	1.42	gi 110753103 gb DQ827790.1
Uncultured verrucomicrobiales	1.04	gi 192804575 emb FM175377.1
Uncultured balneimonas	1.01	gi 389548038 gb JQ402966.1
Enterococcus hirae	0.72	gi 94467694 gb DQ467841.1
Plasticicumulans acidivorans	0.45	gi 645320195 ref NR_117458.1
Uncultured proteobacterium	0.27	gi 781795286 emb LN796725.1
Pseudonocardia dioxanivorans	0.24	gi 444304041 ref NR_074465.1
Frankia alni	0.22	gi 111147037 emb CT573213.2
Uncultured planctomycete	0.19	gi 344050678 gb JN409084.1
Rhodococcus sp.	0.18	gi 909638169 emb LN867321.1
Uncultured earthworm	0.17	gi 25989809 gb AY154543.1
Uncultured carnobacterium	0.16	gi 319659383 gb HM565028.1
Nocardioides sp.	0.13	gi 119534933 gb CP000509.1
Pimelobacter simplex	0.12	gi 723622094 gb CP009896.1
Sphingomonas wittichii	0.12	gi 148498119 gb CP000699.1
Uncultured chloroflexi	0.12	gi 219896099 emb AM934855.1
Microbacterium sp.	0.11	gi 76252801 emb AM051266.1
Actinomycetospora sp.	0.10	gi 557126830 gb KF600710.1

**Table 9**Bacterial community composition of the household as identified by 16S rDNA amplicon gene sequencing.

Organism/HIT	%	Accession
Uncultured bacterium	73.91	gi 399762838 gb JX079231.1
Uncultured actinobacterium	6.32	gi 781841436 emb LN806491.1
Blastococcus saxobsidens	3.71	gi 378781357 emb FO117623.1
Uncultured proteobacterium	2.31	gi 781835702 emb LN805367.1
Methylocystis bryophila	1.90	gi 384080409 emb HE798551.1
Marmoricola sp.	1.29	gi 384157059 gb JQ419668.1
Uncultured acidobacteria	1.02	gi 375271308 gb JQ648757.1
Uncultured rhizobiales	0.94	gi 389546865 gb JQ401793.1
Proteobacterium	0.71	gi 583826818 emb HG917246.1
Microbacterium sp.	0.67	gi 166197412 dbj AB376081.1
Uncultured anaerolineae	0.62	gi 523452566 gb KF182986.1
Uncultured pirellula	0.49	gi 545344262 gb KF507494.1
Uncultured planctomycete	0.48	gi 380838170 gb JN868141.1
Uncultured flavisolibacter	0.31	gi 396083910 gb JX114425.1
Pelomonas sp.	0.26	gi 530445182 gb KC914556.1
Uncultured solirubrobacterales	0.24	gi 389546277 gb JQ401205.1
Uncultured planctomycetaceae	0.23	gi 389546841 gb JQ401769.1
Uncultured xiphinematobacteriaceae	0.14	gi 192806445 emb FM176953.1
Pimelobacter simplex	0.14	gi 723622094 gb CP009896.1
Nocardioides sp.	0.14	gi 119534933 gb CP000509.1
Uncultured chloroflexus	0.14	gi 307564378 gb HM241129.1
Uncultured planctomycetes	0.12	gi 219906527 emb AM935815.1
Uncultured chloroflexi	0.12	gi 389547105 gb JQ402033.1
Uncultured verminephrobacter	0.10	gi 630060094 gb KJ191920.1

The purified DNA was PCR amplified using the 16S rRNA forward bacterial primers 27F–16S-50-AGAGTTTGATCMTGGCT- CAG-'3 and reverse primers 518R-16S-50-ATTACCGCGGCTGCTGG- '3 [4] that targeted the V1 and V3 regions of the 16S rRNA. The PCR amplicons were sent for sequencing at Inqaba Biotechnical Industries (Pretoria, South Africa), a commercial NGS service

**Table 10**Bacterial community composition of the household as identified by 16S rDNA amplicon gene sequencing.

Organism/HIT	%	Accession
Uncultured bacterium	76.2	gi 301246918 gb HM710267.1
Uncultured solirubrobacterales	4.04	gi 389545531 gb JQ400459.1
Uncultured alpha proteobacterium	3.25	gi 451914712 gb KC448576.1
Uncultured actinobacterium	2.70	gi 298231355 emb FN811226.1
Uncultured acidobacteria	1.31	gi 396083926 gb JX114441.1
Uncultured rhodospirillaceae	0.60	gi 83999434 emb AM159371.1
Uncultured arthrobacter	0.53	gi 389546219 gb JQ401147.1
Pimelobacter simplex	0.50	gi 723622094 gb CP009896.1
Nocardioides sp.	0.30	gi 119534933 gb CP000509.1
Uncultured proteobacterium	0.28	gi 134021577 gb EF020153.1
Uncultured acidobacterium	0.28	gi 386649463 gb JQ825225.1
Uncultured bacteroidetes	0.28	gi 149393241 gb EF612369.1
Uncultured sphingomonas	0.24	gi 46812524 gb AY569282.1
Uncultured chloroflexi	0.21	gi 313576414 gb HQ397210.1
Uncultured chitinophaga	0.20	gi 672229257 emb HE860750.1
Proteobacterium	0.33	gi 56547781 gb AY834349.1
Novosphingobium pentaromativorans	0.17	gi 698178797 gb CP009291.1
Uncultured microorganism	0.17	gi 529086744 gb KF275220.1
Microbacterium sp.	0.17	gi 914697494 gb CP012299.1
Modestobacter marinus	0.16	gi 388483940 emb F0203431.1
Uncultured planctomycete	0.12	gi 443301414 emb HE613591.1
Uncultured planctomycetaceae	0.11	gi 389547008 gb JQ401936.1
Uncultured xanthomonas	0.11	gi 82792029 gb DQ279336.1
Brachybacterium faecium	0.10	gi 256558041 gb CP001643.1

provider. Briefly, the PCR amplicons were gel purified, end repaired and illumina® specific adapter sequence were ligated to each amplicon. Following quantification, the samples were individually indexed, followed by a purification step. Amplicons were then sequenced using the illumina® MiSeq-2000, using a MiSeq V3 (600 cycle) kit. Generally, 20 Mb of the data (2 x 300 bp long paired end reads) [5] were produced for each sample. The Basic Local Alignment Search Tool (BLAST)-based data analyses was performed using an Inqaba Biotech (Pretoria, South Africa) in-house developed data analysis system. Overall, sequences were deposited in two databases, i.e. the National Centre of Biotechnology (NCBI) and the Sequence Read Archive (SRA) database, prior to the generation of accession numbers for individual bacterial species.

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### **Conflict of interest**

The authors declare that they have no known competing financial or personal relationships that could have appeared to influence the work reported on this paper.

# Appendix A. Supplementary data

Supplementary data to this article can be found online at https://doi.org/10.1016/j.dib.2019.104135.

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