

Degraded only

	Kingdom	Phylum	Class	Order
1 3ed6364887aef8b99805d741fece80a1	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
2 079b99f92f4cbf461870743a13ea55b8	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
3 d826877f5092d8e1582868f41b02097c	Bacteria	Proteobacteria	Betaproteobacteria	SC-I-84
4 dd38e04cce2b17f95571a1ae5ab4bca2	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
5 1d09b26f1fe8b567c942e074c42d3364	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales

Disturbed only

	Kingdom	Phylum	Class	Order
1 6f4872760b1fa68a77b8ce2cc1c868e6	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
2 3415af5344db9b95468e4afb45537fae	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
3 f667397e9ab6235d031f386da1a1ccb4	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
4 abc3e4400479a23b08ed24afd1764fcd	Bacteria	Proteobacteria	Alphaproteobacteria	Unclassified
5 b43bcf64c6353fe6e164eb991a039096	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329
6 d0081bd9692efec5205fe2a879ef88b2	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
7 23ab659d9e0fb61d46637c36a698be71	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
8 7e840966b30efa678459d5ff42e3c4a8	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
9 cb3f54d51541eb4d90ef51e9fdc0dcbc	Bacteria	Acidobacteria	iii1-8	SJA-36
10 f5bf70765773d847d2e7a1de30442a0a	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
11 f7a8d766241c41ff5f77b9723b934847	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
12 196ea11110a495d6c83bdbf7857c5655	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
13 b7280ec9630babc7bbe4890cbc631869	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
14 5e87d1fb7a925da26445abb1bbea725	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
15 809a835f58ca75c80061d36a7d8b4fae	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
16 cc1d7ad2eafd0ea9d150a440a40b0287	Bacteria	Chloroflexi	Ktedonobacteria	JG30-KF-AS9
17 d9c736882a480d43a42e53d80fb2dd28	Bacteria	Chloroflexi	Ktedonobacteria	JG30-KF-AS9
18 60cafb29d39e453dd90e91163699053c	Bacteria	Chloroflexi	Ktedonobacteria	JG30-KF-AS9
19 4d0f71a977f1916d5daa719cb4585647	Bacteria	Chloroflexi	Ktedonobacteria	JG30-KF-AS9
20 aa49e842af45fcb1212560ac5fe2e9f2	Bacteria	Chloroflexi	TK10	B07_WMSP1
21 2bbe9da17da0c45b26b8999c44ee071f	Bacteria	Chloroflexi	TK10	B07_WMSP1
22 14e548af393df66801ee36fef536aeef	Bacteria	Chloroflexi	Anaerolineae	WCHB1-50
23 5e73a34a3966dc3eb913908a31c8e1f0	Bacteria	Chloroflexi	Ktedonobacteria	TK10
24 ac67264fa75ae3e403705e5be0517f3a	Bacteria	Chloroflexi	Ellin6529	Unclassified
25 3acef09eb8ed9b98e5184337a84568c9	Bacteria	Chloroflexi	Ellin6529	Unclassified

26	84f2766bdd9c9a98d1ac77dd1b0def59	Bacteria	Chloroflexi	TK17	mle1-48
27	1e8f2d182cb547ccbf8d441fcab83357	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
28	877623a20a96cfa1849dab8d2fb8c272	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
29	ef77378ad41304bfe20788303ac758e8	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
30	7b42a614d3c6d4e150d2aee631ad59ee	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
31	5df0cf08e5a722d6fc6b80a0645a6576	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales
32	6b7b9cfd93b154505da5f7c77f309a4b	Bacteria	WPS-2	Unclassified	Unclassified
33	b6696f7c7c7afa0ac35b075d20ee9ef7	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
34	4a76516af87610ae3df02b3c98c4d5ee	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
35	57cf4bb6c4c94ad123fe37f97ffccbd4	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
36	de28750ad4e9eb80d36f39245cc6aa5d	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
37	6661dbaf80af584c2e7591d381c361cf	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
38	3c767833a2d2d89195e6b7e1fa6d21cb	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
39	8f22ac48295beed3d8d823e4b9cf66f7	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
40	0f058409896b5ba2de484cd79d85bb47	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
41	3fb2ddafcfde3c1cf1ff891f5adc2760	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
42	bfdde935c3647f11f0465db379ca13e6	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
43	61320ccde972f648f17fc961d7ae41d7	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
44	3215e9b8df80e53ebf7b495bc0520505	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
45	be5cd669509051f06d6baad74eee9c57	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
46	36030a963bdf7ce80ef9a83f5b96c97f	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
47	c6a4980583b1e0e7ce76284eeaca43e0	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
48	124ba55dabc32b0b6dd730469363d1c0	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
49	1475168a16f2fb8f9eb4ef54c6d45beb	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
50	4204ccb4a1a964fc25f6d433ae213d7c	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
51	973bde4aedd190d0d0c09c16c890cf5c	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
52	2cc91d02dccc5fd16aa3741de34432d	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
53	5afaafc263397198de150054cd35e745	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
54	73995e3bb40be5ca1fad707ebe6666d9	Bacteria	Actinobacteria	MB-A2-108	0319-7L14
55	aaef474fc67e5e1df9f861c6e78689a	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
56	dae604a39570104778406b6fc1bce0f9	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
57	0bd33ffe5cda76a456b745745d2e4494	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
58	50de549566bfec7b23f0b363da123ecc	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
59	9a31f9f350c9242401eba40d0e1d118c	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
60	80766b021b3d5dd8e866e542b504f95e	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales

61	78601feaa2976427354918ec959f8d67	Bacteria	Acidobacteria	Solibacteres	Solibacterales
62	d227faff142f83ce06e6da5b1cecc988	Bacteria	Acidobacteria	Solibacteres	Solibacterales
63	dd44b6bca93b34d3598e57f617ee0d43	Bacteria	Acidobacteria	Solibacteres	Solibacterales
64	8c3af772a431a880da1424fc22830605	Bacteria	Acidobacteria	Solibacteres	Solibacterales
65	1b053284b2877ddc8c77b31971393237	Bacteria	Acidobacteria	DA052	Ellin6513
66	38380830a12c411f5d3a30f24dd41947	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Ellin5290
67	f2dc228d09db2b5796242d913eccc27a	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Ellin5290
68	ae8e506e7e05550bcfc0866102c9f966	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
69	285e0b98f344d36615e79820969d8b2c	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
70	ce90d2b7b2097008c623576727da6a12	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
71	71ce1a57dc5d0015e98c7a83834acd7b	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
72	027d0e1042f496c6990a5b2a6707f881	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
73	f0c563dea62434d352aaa1d102088d80	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales
74	a9d3f55804b1bee4399fe8470d7a3141	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
75	f4986df9e0f39c5ce36fc8733ecef0a	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
76	16a20b8465395714f21ada154b11426e	Bacteria	Nitrospirae	Nitrospira	Nitrospirales
77	1d9cd0181c2718007dbbef2ee6023515	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
78	be4153996859a47419277c122470de3a	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
79	e8a6ffdef02853cc428e4439b154464a	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
80	ebcdcc1e98554a28b0e12ac9d0619078	Bacteria	WS3	PRR-12	Sediment-1
81	23df2ad6a6a5401666c9f83e9b510b38	Bacteria	Proteobacteria	Betaproteobacteria	A21b
82	1052fab01f55abc8b15d7086f44776ea	Bacteria	Proteobacteria	Betaproteobacteria	MND1
83	73c4284181800cd1a8a58a5eeae9dab0	Bacteria	Proteobacteria	Betaproteobacteria	MND1
84	0fff28701db42cb4e2a81193ef769053	Bacteria	Proteobacteria	Betaproteobacteria	MND1
85	28f0c0de8195ae4b4ba62c71988b3335	Bacteria	Proteobacteria	Betaproteobacteria	Ellin6067
86	b215027d2522780a81bb3020c134605b	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
87	196a2577233cfe9d1d51197276962cdd	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
88	a7d2a7aacde15a167a8cee223cb1353e	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
89	14eb059944d25729a72929456d80060e	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales

Maturing only					
		Kingdom	Phylum	Class	Order
1	88ece607d48fd34ec7e3e0375baaf5b8	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
2	aed9635dd61140e0b3cfbe305998d1dc	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
3	65ac17fad1c8aeefa6602d73dfa4a7bf	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales

4	d1dcf2b492cba55a3ff7bfbb8a266bc2	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
5	8b190c228036179a27c05f6dd1b9ef3c	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
6	47ef0e066c3d841745fa5ad322ad80d8	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
7	c6244e467d5572a85047f72de045e8ec	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
8	c1b3333810611f82f3ad3e581e2c59cc	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
9	f8c4360063412d9adf32c94e9de329e9	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
10	2453f8dc6ae556f9b0cece846765873e	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
11	e25851cbbcd631a176b86b56e9cbc1de	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
12	5f38d86e41a6331c9e490a296eceb373	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales
13	d135dd9f94a05dabc6471678f7679922	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales
14	e2a83890308ab08b4d170ac72fd4e4a5	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales
15	ea4a95271ba42ba1760695bd3ff37084	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales
16	18ffb7f1135451ba793abb14c8b4390a	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales
17	81ed8299b2917f4756b6fef14aefe49d	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales
18	10f712056415c725ee397c2e7ffc9b79	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
19	201e7852dc54b33a1fdb871053e6c0f3	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
20	0462ca4fdd5689f4ddff4ab71a6fd9be	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
21	a068eb9f52219403f1b5107d4038bead	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
22	e0ee1069f3f0dc86ac245adb8af39153	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
23	1af66116636b2b54e6a4e6f23d7d07fa	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
24	27569a2e37ae1e332bdb7ebbc9a12b11	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
25	a22ed5e37c995ec0f84e034827300c6e	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
26	2110105c95c2fe436cd6e2e6d7f7bb44	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
27	29b5937c4cee255f4725571cda56f603	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
28	585da9524e72e1ad7a8753194fab7100	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
29	9588be51254ac441bda0e63dd4a6a41b	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
30	60f6c88b08c0a258b418b9d9f9a3a35c	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
31	685a630846369810a71cc14dd0ac372d	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
32	36d7816d2d978886ceb6f21cb0257f67	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329
33	7e13b61df698b02bc9299a61ccb61ae7	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329
34	04f8016e5cfab752cfb3b329012f8a41	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329
35	bec69b41ccd78815e303629a59887308	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329
36	352237d3bc0073448f7d479cd95571b4	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329
37	55e0b231f6172806330538f230865fba	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329
38	930cffa8b7ce0816d50cfb9cd19e7c3a	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329

39	916efe2dcfca64dce59b2262d10757c2	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329
40	b8e5b20ef8665224bb84bae5fa3ac185	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales
41	54e1a42f5accb754a1c9fa57979764e2	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales
42	c8b9a80fa11253fdbbc53128a8bbf1cd5	Bacteria	Proteobacteria	Alphaproteobacteria	BD7-3
43	8fc6002fefbf9c86132bf83cfad02ad0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
44	9e79b364ba05d2d60bcc2ccf17d24003	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
45	1ee7782e832797393b3912bf37b9149e	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
46	009225fe20369e198bae209bd87b2250	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
47	e78efc4dda59b85665913010b75574d2	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
48	1a412563d83c983cb12bd061db8e3285	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
49	e3ede75033c0b8b2e5549de3e2a49049	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
50	6372f945939d0bfa491f058ffb580922	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
51	70342d39fc0ff7cf8be4fc9a7d14df44	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
52	092a5fe3cdb99db498fc56ba28e545b3	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
53	24da6c59b5f8065d35dead5648428a85	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
54	47d08d1ffb28bc21a510a414a9cc1729	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
55	f194566515c78b4214b7110371175727	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
56	dfda2a21f7a72dea6c9d551102683afe	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
57	a5005f67d59caa0f50c8557f1c2e1439	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
58	9f57569edfa6db54903cf56301dce957	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
59	9aec2cf01c3c7c825893c78019bd2fa3	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
60	b25290ae695b5267dbd18884c85f1f4f	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
61	792150f91dfdce3543d95bd72b11c1b1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
62	82395b4cbb1f1d9c5674fc82ded68932	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
63	7e8ce05fe1f29c288ba377381cc8695a	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
64	14bde446740435941499ccb8cc3e9dd1	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
65	cb7c1029cd71a866fc2b6736381e8136	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
66	b35b7d6666f8513c20da9a9fc4c42193	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
67	8bf78651194a11a14ac4a84a977e599a	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
68	231a72a654faf26bc257b405172fc2c3	Bacteria	Acidobacteria	Unclassified	Unclassified
69	4a2076364c2267a15b4d37f7a139ea29	Bacteria	Acidobacteria	iii1-8	32-20
70	f1761a09d7eeea8bc7c3777d97af86ca	Bacteria	Acidobacteria	iii1-8	32-20
71	a3a49f9a2e0df4f9275bc00aacd622e9	Bacteria	Acidobacteria	iii1-8	32-20
72	b30e08ac9f161c1aa60acf5aa8e19823	Bacteria	Acidobacteria	iii1-8	DS-18
73	7b7ae2366f347af4541c4bfb55060249	Bacteria	Acidobacteria	iii1-8	DS-18

74	94cf76e6693e3ccf2a7a613d726b6e05	Bacteria	Acidobacteria	iii1-8	DS-18
75	4b1d0fc8f4c9a01bc16b67d4b1936538	Bacteria	Acidobacteria	iii1-8	DS-18
76	a9a7de5adbe99d3ff3650ec8d3599316	Bacteria	Acidobacteria	iii1-8	DS-18
77	01363e1870b0de84b76ea265abc17695	Bacteria	Acidobacteria	iii1-8	DS-18
78	2b48eafed584a82c64cd835a52ae5c88	Bacteria	Acidobacteria	iii1-8	DS-18
79	80891174560d6c37012c5a9031053616	Bacteria	Acidobacteria	iii1-8	DS-18
80	a2ef7184c1984a3b86fd97deab93ecf3	Bacteria	Acidobacteria	Sva0725	Sva0725
81	3837b9a6049dc867dac4dbf215543685	Bacteria	Acidobacteria	Sva0725	Sva0725
82	126ed5c7ee8b36db54069e37d7461a55	Bacteria	Acidobacteria	Sva0725	Sva0725
83	3259c3d08df89f5d01d9b680c1d77ffa	Bacteria	Acidobacteria	Sva0725	Sva0725
84	7f23fbbb0ae116bc66b654f720935ef2	Bacteria	Acidobacteria	Sva0725	Sva0725
85	ed90bd6d4377cee348661b52e06c4a73	Bacteria	Acidobacteria	Sva0725	Sva0725
86	cc227614890a257d30df4ab174f8b2c6	Bacteria	Acidobacteria	Sva0725	Sva0725
87	fb5461e9feabbed10c00caff3beef703	Bacteria	Acidobacteria	Sva0725	Sva0725
88	76b829cda9c9b2350961c612235b7a58	Bacteria	Acidobacteria	Sva0725	Sva0725
89	6d8f56a55cc5525dd9aee70b0d1a4dd0	Bacteria	Firmicutes	Clostridia	Clostridiales
90	9c161091d78df85a3bf5fe6c7d3edd2f	Bacteria	Firmicutes	Clostridia	Clostridiales
91	5fafc868c0ed93fcb6d5e9430ed34bb0	Bacteria	Firmicutes	Clostridia	Clostridiales
92	c0278ebb86a73e0278ddeb78743cfd30	Bacteria	Firmicutes	Bacilli	Bacillales
93	14012ab6d3433dba330aba57384709db	Bacteria	Firmicutes	Bacilli	Bacillales
94	7a7b7c65477cc557e162903ccabb28eb	Bacteria	Firmicutes	Bacilli	Bacillales
95	28cf414367a090c6b2c8acbed95794d2	Bacteria	Firmicutes	Bacilli	Bacillales
96	0067ef8e9d52353c4a7f0563dee57e07	Bacteria	Firmicutes	Bacilli	Bacillales
97	9c645cdebe66034a74e1e925a1ce58e6	Bacteria	Firmicutes	Bacilli	Bacillales
98	8909d1f22216c12a2fb0352f2e3bfaa7	Bacteria	Firmicutes	Bacilli	Bacillales
99	1954d1174102edd4e7321f4a829f91ed	Bacteria	Firmicutes	Bacilli	Bacillales
100	089ed89ca2d11ce00fc2ee8ee6fefeb7	Bacteria	Firmicutes	Bacilli	Bacillales
101	3570b4c6985fbf15024914e6d40d965a	Bacteria	Firmicutes	Bacilli	Bacillales
102	8b903c254920f290db6a79b1f01116be	Bacteria	Firmicutes	Bacilli	Bacillales
103	b9aea2c80450351551e7f534ffeebc6b	Bacteria	Firmicutes	Bacilli	Bacillales
104	7bbf860df081fb6cd2fd37c8a1490d83	Bacteria	Firmicutes	Bacilli	Bacillales
105	38923d0361459e9fb19ac729b0a6bd0f	Bacteria	Firmicutes	Bacilli	Bacillales
106	6353f71b3d4afecc9719b93b317922d5	Bacteria	Firmicutes	Bacilli	Bacillales
107	278f6295691badc0c79b8ed8511d3e34	Bacteria	Firmicutes	Bacilli	Bacillales
108	5fe8b1bb5aafc15626cc3e776e76db5b	Bacteria	Firmicutes	Bacilli	Turicibacterales

109	cf4f3d15cb1a88533f443f5583ed2043	Bacteria	Firmicutes	Bacilli	Bacillales
110	b6c6d1ff6daaca97dfb0dd9c2342517d	Bacteria	Firmicutes	Clostridia	Clostridiales
111	0eebc92d0d0e31e638c0df989d1b5025	Bacteria	[Thermi]	Deinococci	Deinococcales
112	df6c3cc06db1b775306868a70fe31cf7	Bacteria	[Thermi]	Deinococci	Deinococcales
113	5896623989748a9a6e889f63ccc47442	Bacteria	Chloroflexi	C0119	Unclassified
114	69642d8b63e22ab95375e993c4a10eb4	Bacteria	Armatimonadetes	Chthonomonadetes	SJA-22
115	5c31d3249c93dbecc3915e12d126d4e3	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
116	ce867a5b698a394f4e6ee28b109f0ff2	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
117	bd657c6d1279989c355676a80daaca60	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
118	6f6dd8203b186bfc32de195dfd9ea0ca	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
119	af166e67aac14331de906f543c658a60	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
120	b544ebb6c39541b67d43999cb7d44e9b	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
121	3fdfcb505d24a17a89ada6ac453b3d2b	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
122	593666c30a1717dc6dba594373247f5e	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
123	5080b7a252ccca8db3f14b722343ae8f	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
124	0a5ba9727de5c2631741e88acf6e8662	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
125	521caeedad4afd853ffea5558dcd7d1e	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
126	61ea4dcee7e3cee9a19b67984d3c96ca	Bacteria	Bacteroidetes	Unclassified	Unclassified
127	0b4e1ec345ac8b1b7fe2a27c18560163	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
128	264fe5f8985d5e5f2707a2e8eaf587ca	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
129	82d36f94c6edf49d1f70671b905ddb2c	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
130	3030632d40061f21016a4adad1354ac5	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
131	52bb7c7a8de7765ac9deb9655c1c6904	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
132	fe3bd20e056e3aa4c32d86b96ec1da32	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
133	663fe17dffffaa17e245009a7a697ad28	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
134	68636e04bc3576f812b01e726f80dcdbd	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
135	7f53f7ce8aa79abf9cc4a3987e3fd0aa	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
136	89ec03873c8d76131d9a85988b9b2f4e	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
137	5666dd4c308d20885af1e0d3dce5a964	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
138	80134962e2c658552269fcb8a9567ca6	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
139	1438deb3abd15eea244125b7ec0afcee	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
140	5b3774773004bdea649850c0991fcbda	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
141	3a1351dee38d9bdc6b119e5490cb07ab	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
142	59a34c1a8e0bd41aa0947bdba5e91439	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
143	ead6f3ef87facfbc49ed5b6aebd5d40f	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]

144	675296daf7edb5aac0e7d5ef1d98196d	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
145	d8f91040789873dbce293c6e6baa2579	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
146	745bc5abb69fc9646f6e420594994ee1	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
147	45d8dc68d7b4da6ede3e7466a1459009	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
148	f63be275ec0ac5dcc3c334a731c91438	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
149	f263d1e702e6c0d66e6cea0b0965ce6a	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
150	5d44e69805e4b1561d85b3f149524e5c	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
151	02ffb0eb892b39878a26ca29e9e39db7	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
152	a4d67b956756b2ccb11f410998110fc1	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
153	78adeb404e283be256f2d1893c21e38d	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
154	f42879236cca460b1abf090e4b05bd73	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
155	de4e554c15a239be193249c470b8bde9	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
156	ba3b2bd20e9d773f4a7106746d10d28e	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
157	aaa8520580ccbdb178be9439419984b3	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
158	a5e5f58664d116e365c4fcaa8d5cdd28	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
159	10e042e253208c7f6a24e3870795f41f	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
160	db6036386d8d25cdb4358a5717c40ff0	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
161	90513a508cad790a1703a78dacb44fb1	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
162	c2b242fb981059160d69f23dc538875a	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
163	90b1cc3eeb4d123da1302b54cc89c341	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
164	32978d9b1a11d9f1d5fd25a4f3607af8	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
165	bbde8163bb296b0e1927290fe4cc8d9e	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
166	637a36678aeebb7cf6481737182b3aeb	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
167	af41932f6b70ed2109cc4da351488e35	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
168	6c84513cf0f58f98b5f9c820793d8e1b	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
169	98dbd2bb5b03a99dfa50eb17e04f1cc6	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
170	1becd247709109710ebde47cc718f5e7	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
171	9d6167fbf8781c748bd78cd8a378213b	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
172	5ff6f73c9d212c9e68e0e20401209353	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
173	62e35b6fbd58ba781c140ae9a7391610	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
174	c1d9d5bee91b36f3576565de68cfaae	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
175	004251c3df1673d5d976c28c79fe9deb	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
176	2b75b0c535f4b811996472215df17b54	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales
177	6300ea870d723fc7d0ea06c5e46c9277	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
178	03565d1898cb865843f6743b4574a5e1	Bacteria	Bacteroidetes	Cytophagia	Cytophagales



179	7680cd70c84ca84e16d1efcfcbd2bcd6	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
180	2ae9fb252d70f7b43ab40138df75b903	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
181	097b1698eec996d79325fb1979878818	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
182	dc91c21a9127cabeac76ac1eec959d2b	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
183	6c3fcbbd1f648c3f73a11c2b0964009f	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
184	5daba104700b3511140561a8c3df89cf	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
185	2b430572bbad4b8330473232ec460361	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
186	0e716209a905677d40a36d32a5ba48c2	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
187	a66a1486a6d879c1fd90ab246e273894	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
188	cfe2d49496522e0423f6b44ab625fdec	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
189	9918802d48fe657e8d3f78c329247a4a	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
190	9c90e924c18b51ae6125a17586806aaf	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
191	605cf1fb52bbf1f43787550c5abc136a	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
192	369e823fa639fb409181e20207f6eb76	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
193	4c51c760b5beadf70d447f27beeb6345	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
194	578e80df228664113de80bf3f954319c	Bacteria	Armatimonadetes	[Fimbriimonadia]	[Fimbriimonadales]
195	380ef5b4d763cdb5cc244cc7d9b39e63	Bacteria	Armatimonadetes	[Fimbriimonadia]	[Fimbriimonadales]
196	6799d5890f3003fe12423f975edd9971	Bacteria	Armatimonadetes	[Fimbriimonadia]	[Fimbriimonadales]
197	13d982fc1a0c9dc6bb1b0a4327012a84	Bacteria	AD3	ABS-6	Unclassified
198	8ca298976e17b1142e06dbe10cfd4ae	Bacteria	Chloroflexi	Chloroflexi	AKIW781
199	bcd5de34e595e621dda5f3623e4f51a1	Bacteria	Chloroflexi	Ktedonobacteria	Ktedonobacterales
200	067bff31a37f3bf05f718118354e6388	Bacteria	Chloroflexi	Ktedonobacteria	Ktedonobacterales
201	98e85f4717b1fb900323f68556cb9e4f	Bacteria	Armatimonadetes	0319-6E2	Unclassified
202	0e5bd7c3e4efadfe2f4999f4f132e448	Bacteria	Chloroflexi	Anaerolineae	A31
203	20a3762153cc426540bfc5b2514e50e6	Bacteria	Chloroflexi	Anaerolineae	A31
204	7c1144b4967eb4ebdc81f9fbb4d4828e	Bacteria	Chloroflexi	Anaerolineae	A31
205	523a96c9c88d1cb0ce753b37332f8345	Bacteria	Chloroflexi	Anaerolineae	A31
206	a59aff2446ef2d5f4db177660dd05d67	Bacteria	Chloroflexi	Chloroflexi	[Roseiflexales]
207	06209532b6a234aea6f9292c1ac94e06	Bacteria	Chloroflexi	Chloroflexi	[Roseiflexales]
208	0e10abfe8362e9f756d9d41815468489	Bacteria	Chloroflexi	Chloroflexi	[Roseiflexales]
209	45551e9bff93156801bce0b59d84aa25	Bacteria	Chloroflexi	Chloroflexi	[Roseiflexales]
210	7d8a325c6a8d3b0def76197f58fd448e	Bacteria	Chloroflexi	Chloroflexi	[Roseiflexales]
211	f348b163ebd388dbe5cb756c5eaff24a	Bacteria	Chloroflexi	Chloroflexi	Chloroflexales
212	9004fdf3ae81f0dacaa4bd0d143f110f	Bacteria	Chloroflexi	Chloroflexi	Chloroflexales
213	70bdff7e9934416f64beba55182747aa	Bacteria	Chloroflexi	Chloroflexi	Chloroflexales

214	de1ac8530d3d9258a546a7520bde40a8	Bacteria	Chloroflexi	Chloroflexi	Chloroflexales
215	94944386a366d6648bcf8bb58099def9	Bacteria	Chloroflexi	Thermomicrobia	JG30-KF-CM45
216	9bcd83bedc9a2488ff5256988ebdd383	Bacteria	Chloroflexi	Thermomicrobia	JG30-KF-CM45
217	6e4fed6cc3ed09c3086e940bcea00bcf	Bacteria	Chloroflexi	Thermomicrobia	JG30-KF-CM45
218	57e0138a8e854db73352bc20b92a45b4	Bacteria	Chloroflexi	Thermomicrobia	JG30-KF-CM45
219	10b5fc38faf55eb6777be4a1a9b0f1b6	Bacteria	Chloroflexi	Chloroflexi	Herpetosiphonales
220	41ab0e08907e3ccd4d373307ff26835a	Bacteria	Chloroflexi	Chloroflexi	Herpetosiphonales
221	b0f07671383ca0c43fbb7c6aa826cbb5	Bacteria	Chloroflexi	Chloroflexi	Herpetosiphonales
222	81db68f62464dd3945c14392703f3bbe	Bacteria	Chloroflexi	TK10	B07_WMSP1
223	4bf4ad953adcd0c680b713bc9c5bc446	Bacteria	Chloroflexi	TK10	B07_WMSP1
224	8b8390ee9264a128c13f4240e71312c6	Bacteria	Chloroflexi	TK10	B07_WMSP1
225	e26f8bc1ffbaa6e251a341ed1bf72cab	Bacteria	Chloroflexi	TK10	AKYG885
226	b5cf98a1a6bf9b73f1b34c516f258cf8	Bacteria	Chloroflexi	TK10	AKYG885
227	1cf66484576d2a07470ebf3ec9e956	Bacteria	Chloroflexi	TK10	AKYG885
228	d1f348340a33bfa93ac2e6cd6a3655b4	Bacteria	Chloroflexi	TK10	AKYG885
229	0038fc4c8f2914926c85c2afa1870e84	Bacteria	Chloroflexi	TK10	AKYG885
230	bf0bd67a4f8e070dac1dd0ea0f88700f	Bacteria	Chloroflexi	TK10	Unclassified
231	335e8f8289e58e8b53ca617699cd9ea5	Bacteria	Chloroflexi	Anaerolineae	WCHB1-50
232	27546a2c152fd34f94d6041b80c16371	Bacteria	Chloroflexi	Anaerolineae	WCHB1-50
233	e6057a7e8761ac4366bdea5c9fb61d8d	Bacteria	Chloroflexi	Anaerolineae	WCHB1-50
234	2ab748a3e09faa61550635431c0abd0c	Bacteria	Chloroflexi	Anaerolineae	WCHB1-50
235	06897f4077a3716acf28857b306dadde	Bacteria	Chloroflexi	Anaerolineae	H39
236	2f04dd3c69c971faaf2409422e907e2f	Bacteria	Chloroflexi	Anaerolineae	H39
237	29ce157921b5a92e98c05122b6df5027	Bacteria	Chloroflexi	S085	Unclassified
238	e8a59c62c708084f6d92e2f3e8478c3b	Bacteria	Chloroflexi	Gitt-GS-136	Unclassified
239	dd4ef2b5676a27bbfef6618dddbbd860	Bacteria	Chloroflexi	Ellin6529	Unclassified
240	c4eac6d35364c50ce3a57c0d25234898	Bacteria	Chloroflexi	Ellin6529	Unclassified
241	5d65e32973030359c2be5260d3b5caa5	Bacteria	Chloroflexi	Ellin6529	Unclassified
242	c41602199c1ea301ef5c5369c67111c9	Bacteria	Chloroflexi	Ellin6529	Unclassified
243	1ad2b61e4dddf7ebf31cc67d7bc67427	Bacteria	Chloroflexi	Ellin6529	Unclassified
244	e5a8314c62db2202c5b2fa52451d97c4	Bacteria	Chloroflexi	Ellin6529	Unclassified
245	c811c4825700398d02e0db7a77034e47	Bacteria	Chloroflexi	Ellin6529	Unclassified
246	91f1f190a4ccbf7f5dfbc74e8d89b7c1	Bacteria	Chloroflexi	C0119	Unclassified
247	bd42364533ecfd1801e9b42d0b1da4f0	Bacteria	Chloroflexi	C0119	Unclassified
248	96aa16114055f611baf57a2e1b44ae6	Bacteria	Chloroflexi	C0119	Unclassified

249	fcf82d47adc5782346cbb051ff61f9ea	Bacteria	Chloroflexi	C0119	Unclassified
250	52c94aae0b85dc3152d97a36e8a4e706	Bacteria	Chloroflexi	Anaerolineae	CFB-26
251	e25943a29cee3cb40c6c7f4264a6cb8c	Bacteria	Chloroflexi	Anaerolineae	CFB-26
252	fb36f3f0cd333d200b3f18a52eeca803	Bacteria	Chloroflexi	Anaerolineae	SBR1031
253	b3fd8d8c8841ec2466842e270fa7dd68	Bacteria	Chloroflexi	Anaerolineae	SBR1031
254	452e16e377f9a08110bf9e874ceef310	Bacteria	Chloroflexi	Anaerolineae	SBR1031
255	afccd03a353cf64531b761ed467b6453	Bacteria	Chloroflexi	Anaerolineae	SBR1031
256	fb293446584128cd1cf485591f7d8760	Bacteria	Chloroflexi	Anaerolineae	SBR1031
257	bbc001367d60716817bb36376dd4f580	Bacteria	Chloroflexi	Anaerolineae	SBR1031
258	7fc952e2514f90f8898759a51c2fd7d8	Bacteria	Chloroflexi	Anaerolineae	SBR1031
259	9af368c1217872cf57b5cfd58c9d6731	Bacteria	Chloroflexi	Anaerolineae	SBR1031
260	4ea88a03af187e1ff7ed0f3c291489e1	Bacteria	Chloroflexi	Anaerolineae	SBR1031
261	f3f15601dfb7ed79668ae3ba127de3cc	Bacteria	Chloroflexi	Anaerolineae	SBR1031
262	3e46702f9ffd8d9ca6702ea674370876	Bacteria	Chloroflexi	Anaerolineae	SBR1031
263	67dc1d4e41ed5c54012ac6781d1b6e33	Bacteria	Chloroflexi	Anaerolineae	SBR1031
264	456bc53659b1c85031e883c03518d4b2	Bacteria	Chloroflexi	Anaerolineae	SBR1031
265	c4d69b26b2630192ae6443a6c1e77426	Bacteria	Chloroflexi	Anaerolineae	SBR1031
266	c2bf7e13d2cbefbbc1b690f6c1659d32	Bacteria	Chloroflexi	Anaerolineae	SBR1031
267	4eb46a9df6e62571ebe135d78d0392e7	Bacteria	Chloroflexi	Anaerolineae	SBR1031
268	71106548fe86fec2ec1826a21cce7e7f	Bacteria	Chloroflexi	Anaerolineae	SBR1031
269	0cc9527a2da3fa5cf2022737c6ae0250	Bacteria	Chloroflexi	Anaerolineae	SBR1031
270	f7fa076cfaf98a723daaf90a77d15288	Bacteria	Chloroflexi	Anaerolineae	SBR1031
271	15aba066539aa4ca2fe8dffa320045af	Bacteria	Chloroflexi	Anaerolineae	SBR1031
272	30de8815b53d9f7f282f47715d66a8d6	Bacteria	Chloroflexi	Anaerolineae	SBR1031
273	411712de6cd4c717e0bbd27cdd4170a4	Bacteria	Chloroflexi	Anaerolineae	SBR1031
274	11776ddd62957fba0677d088a5b6c307	Bacteria	Chloroflexi	Anaerolineae	SBR1031
275	2ce5e9384db4cea6e124c7a208544bb6	Bacteria	Chloroflexi	C0119	Unclassified
276	5c0e86982e7fb16eafad39d64cf13d88	Bacteria	Chloroflexi	C0119	Unclassified
277	7aa3703f4000fd35c110c8be065d2fab	Bacteria	Chloroflexi	C0119	Unclassified
278	016e048b2e73b8bbb6abac5ba8951b33	Bacteria	Chloroflexi	C0119	Unclassified
279	98e02714e5d4a873f9b7acbcd1f428c5	Bacteria	Cyanobacteria	ML635J-21	Unclassified
280	e9263aa4f19571057e4fafe7b2259a4	Bacteria	Cyanobacteria	Synechococcophycideae	Pseudanabaenales
281	38d883dd4a112869805aec3c0ef63907	Bacteria	Cyanobacteria	4C0d-2	MLE1-12
282	9d1d49b490022849431268babdf254c7	Bacteria	Cyanobacteria	4C0d-2	MLE1-12
283	d28a3d4c22b35182975f891c7ecb5bca	Bacteria	Cyanobacteria	4C0d-2	MLE1-12

284	2292950d101da710ba6fe438fc9043fa	Bacteria	Cyanobacteria	4C0d-2	MLE1-12
285	88832ad6af3c0090c706ba1a15ee896d	Bacteria	Cyanobacteria	ML635J-21	Unclassified
286	b67f5ed330a90eeb94d05ad5ec9904ed	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
287	2dfdb94ad3a577057d12e98ef604240a	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
288	0e4dcc23306c5b900eed7cf6e29b45e9	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
289	19a21e1d307648ea512a40959ede2d1d	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
290	b2c13445869de80c1611b4f033ce8713	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
291	c9c05f75c0b175d8ff5d6150aaaf8a15	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
292	a9616add4ebbf43f40bd9189c1912cc	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
293	6e08e642fe896c6e11387eea9d327ddf	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
294	a355b801ddf58596ef8fafa8040cfae6	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
295	1fbec9192c9d14e02bfe47ff5379568f	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
296	bbcf98b7fbd6d8181992d05e008656ad	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
297	8f67800c7db79fe44b5be5b1c8dadaf0	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
298	8feb305c7a9c9120073b7e1379f11a76	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
299	babd06190617dd9284ea7aeb53fb2bfc	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
300	53231337ed8bc05b829b95e3b566fe9e	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
301	8faf18472f5a0a14d40b6540168c4723	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
302	98005b330f9fe875088308272c9fbcc6	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
303	fd8866bf28858a53f1bbfaff5057498b	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
304	3effde7b2889dadd77ce600adc2d5d1	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
305	77b92969f3b9a583b07db973ff104e4c	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
306	645d7ad06ab324740757284b4f43a199	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
307	6e1a315d433d7aaf98a58038455ae6f5	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
308	09674378e92313f027549dcddf532e47	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
309	be1b81407ca190cc5affeb24a37a43da	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
310	2f1ba8dae0d6e03a9b4871864f2b468d	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
311	48d88355bddaa2c16619eed227d4b847	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
312	362abdaed38f5a0be9cba8c097eee07d	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
313	53d7ff30be364ea82d95abdaede071d0	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales
314	359bdfc44e412def6c4998ea76174258	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales
315	ceb88baa6cdf45ae7fcf636f2d2f0c3b	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales
316	53aa34f329cec853a2711bc9f86c3ace	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales
317	ea9f97cf50e1e7ac2070dcaa1639543c	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales
318	74c62c24f63a3058cb105d3cf0dc9dff	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales

319	3872d7a25ae38439fccf5f14bcb1c1f4	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales
320	7b62e8885594f7437d540223bd273684	Bacteria	Planctomycetes	Planctomycetia	Planctomycetales
321	bbfe1a1775b9b0da1902e91373518663	Bacteria	Planctomycetes	Phycisphaerae	WD2101
322	5f1c969791e583e3e7dd5b38ba2bd122	Bacteria	Planctomycetes	Phycisphaerae	WD2101
323	ea8df80b89f9823611ae4647d1196e90	Bacteria	Planctomycetes	Phycisphaerae	WD2101
324	5318eb51b855f3ad9ac2e6e3b7b8cbfa	Bacteria	Planctomycetes	Phycisphaerae	WD2101
325	03ac9ed9ca9b236502de70ae276dffb	Bacteria	Planctomycetes	Phycisphaerae	WD2101
326	f486fec1336dbeb81ea3711bea0f63c1	Bacteria	Planctomycetes	Phycisphaerae	WD2101
327	c0c8bbca4d152352e3e79d1aa2177dcb	Bacteria	Planctomycetes	Phycisphaerae	WD2101
328	5b93ba7a18c2f89360b71882d0aac195	Bacteria	Planctomycetes	Phycisphaerae	WD2101
329	f3751ca896035446196837dd3d65382f	Bacteria	Planctomycetes	Phycisphaerae	WD2101
330	4619597f3341d78e6c37e7b676abea31	Bacteria	Planctomycetes	Phycisphaerae	WD2101
331	f7b02920e54f6d90ecca767708a18c7a	Bacteria	Planctomycetes	Pla4	Unclassified
332	4c9efa9c491aaba2b1712f6535717984	Bacteria	Planctomycetes	OM190	agg27
333	48ae5fb94df06c1d37ee46cc65a83fb8	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales
334	e5b468d091ce61f72398868d69366b44	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales
335	fb31e9e5999ab7f4236b7df6a99fb70c	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales
336	dceb4d066bbf5eab5c3df3ddaf1d2bce	Bacteria	Acidobacteria	S035	Unclassified
337	13e477e5aab5166bc81a948e3212c8b9	Bacteria	Acidobacteria	S035	Unclassified
338	5a34ee86d47b17359e4e7ed78d53825e	Bacteria	Acidobacteria	S035	Unclassified
339	60b8ff841e6b54a136721432e1a46cbb	Bacteria	Chlorobi	OPB56	Unclassified
340	dd64a36bc729d84d4b04183b1c8ce2c9	Bacteria	Chlorobi	Unclassified	Unclassified
341	89a433e09bfc5a26c304e0ff3893e19	Bacteria	Chlorobi	SJA-28	Unclassified
342	d8138adb2399e365c928ba85f6cac650	Bacteria	Chlorobi	SJA-28	Unclassified
343	b0e15d535ad49c0ce540c853c1f5d4d1	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
344	a1e2ef55b01a52959ad4a783c433b582	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
345	1d7c46deb262495913793bfc38612911	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
346	cd51d46e8d656238800878af55a0b686	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
347	fdb65f2d1f2605138d7b13511bbdeac9	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
348	8e8d3999129fbc6fe1be1c6c1dceb148	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
349	ad0cbb454d9a88d512f1e3ebcce096ba	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
350	a5781c8134f51544b961d61ac8ee7716	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
351	38b9a5fe4e307f1ba66fd6776fa623b8	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
352	d196ad55b5100f40c9623c4a1d2e7cef	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
353	573cd47e4ab8c68efea7d4a02bb4737b	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41

354	00b0d5b090b15a24193ac0d6eb55a33d	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
355	fe29401f24104fea172b5edfc8314398	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
356	aa32f21035258a5d02ca4cb151df5bf5	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
357	9c0ae965b2ca637461d77cb9760cc5b4	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
358	01611f9a22c368a32261364728742655	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
359	18fbfaf88a40d5b75a477113c0a48d2d	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
360	304a32983ae637b35bac6238b2bdf5e5	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
361	373890b92ae745b08985d66574066a64	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
362	f7723508dda54eb60be66379b5fe8b74	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
363	1207ab7fb7404be076c1d21ba68a44db	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
364	f88a4bee7e0536ab7d643416204bc6a1	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
365	fd6f12e02e21aed42d5735694e88f08a	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
366	546a6ea4491df0b29f2134b2cab617fc	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
367	e0c8b07af638cc7367aff41d10a94a07	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
368	29bfa2ac9fd6790dbd32b25398eeeddb	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
369	c2991a31261ad9f0f2b0da5ac2ba8de4	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
370	91528341a19ac73eb07f45825942f06e	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
371	82a5250043b63a8d707ca2f0121c358d	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
372	ea6c5106dcf39c6cd81598a613dd856a	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
373	9f2f745d9a9eed7582e48a76cd49e820	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
374	72db587bad57ef6bba3226cffade8a65	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
375	edd35b9f4b63d0af3fa31c71b67d010e	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
376	f519638f549e67c31cd490c88488439f	Bacteria	Acidobacteria	[Chloracidobacteria]	DS-100
377	069ae2e812660c0325e2f4d504bc2c33	Bacteria	Acidobacteria	[Chloracidobacteria]	DS-100
378	30a3697235434ce5121c6b7dbaeaa5e7	Bacteria	Acidobacteria	[Chloracidobacteria]	DS-100
379	b65b8a00d40511823f591ee1958badb5	Bacteria	Acidobacteria	[Chloracidobacteria]	DS-100
380	c51010e397f27717dc9a5cd5fdb0697	Bacteria	Acidobacteria	[Chloracidobacteria]	11-24
381	4761751953b1d1d0d8c74adf4cf2b02b	Bacteria	Acidobacteria	[Chloracidobacteria]	11-24
382	c3600511c57caf89aac7bbb899de2384	Bacteria	Acidobacteria	[Chloracidobacteria]	11-24
383	7fb26059643b216946c8be369b7c623e	Bacteria	Acidobacteria	[Chloracidobacteria]	11-24
384	284fc96e6ea56923b8e59aa793d8cfb6	Bacteria	Acidobacteria	[Chloracidobacteria]	11-24
385	b7239543e7ace29fbf89ab80eb83bef7	Bacteria	Acidobacteria	[Chloracidobacteria]	11-24
386	95a4f3505258918f7bf8691e25bece90	Bacteria	Acidobacteria	[Chloracidobacteria]	11-24
387	3faf943c74a4fd74c006015f36876f77	Bacteria	Acidobacteria	[Chloracidobacteria]	11-24
388	ac91d83202880775871b44676da26dc0	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales

389	7521cb9593ae581d0df496a683e13591	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
390	bd572817dd3e77cc4aea858bae231536	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
391	7b797eee5996ee4b857bed909a802d4f	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
392	d69e93e71226b6d6a2c4f31dfb38769e	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
393	b5b0aa6f796ad195c4d10135b86abc76	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
394	0c87977fb618264982124c09098438f1	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
395	97c27e24e0e5eebb59bbd6b349dd6440	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
396	07385cbae6babd90b9cb61f41d349ced	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
397	85a81725039e03f88921a04614fd4626	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
398	69cd8e44b481d8fd8c1f33bb0e7c9bc3	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
399	bf31d193716fb9fccdf7b63703fef690	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
400	f277d7a6c5817b2421eaa470da345207	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
401	338c2426c0449c03cf29bfea07397333	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
402	01bec1007fcf644a17651b2634fcb15d	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
403	1bff7554c88f2081685902a2fa65a243	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
404	673dd77429ac5a7a76aad1e0f8415f18	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
405	c075dab9e81e8ac09d0dfba30ece0f37	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
406	b4f599c5c2e81ff37eaf9235ac035ba5	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
407	6e023e1fdcf90bfdd29d0bdd2a6c6b96	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
408	a0ab311a6cc39245986a20cb7e7ebf29	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
409	739eca9d760911b85a34cfa6cd9749a7	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
410	c22bb781a67af60820be2903ec4ecfe7	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
411	c7c82f089cfe7cb96a1557c79e852651	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
412	c78d7adcdcccc4fb10bf8c9329d9d1a5	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
413	d5b39994716efe320925333a91d7db5e	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
414	1df6136d1055e1dc5eabfe2d9efab405	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
415	765551069d487b67bbce22df56b9ccb2	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
416	965e3351831e025f842724be7c6660b3	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
417	f965e9c51230c2b64d8e2306e62d3321	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
418	fb616452c313a6c6012b637719d50e5a	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
419	781a30d32617c25d94d9a76edc752d9f	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales
420	0f1a1629884fee95a0dd7440cff2977a	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales
421	66df646dbb0fdedcfdbdcbc38064002e	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales
422	9861223c9e30d4b08f493f734ca35e7f	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales
423	88bfe77d7f70b8a89307534a05c55b33	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales

424	ea71bc9e18b23eea23731598f9455f7e	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales
425	a052a5539ce407e5bc036b3303c2cf49	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
426	4b15b19ae83f514266e21e494073d66d	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
427	81aa8c0154f5b395918a4e9ba00b3b74	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
428	a957e93ecbac1e7cb1b047d04ee02859	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
429	553aebcc39f2951329e9a9833239cf27	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
430	0043c212b4ce23a360ccbc6788c166b0	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
431	e6feeb8f12138ffda7d81ec6173147be	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
432	cfd08c77909a954eae53747ce0c78abe	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
433	633a92f4821ff0cadff453a6aa246317	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
434	1abf79199b23e65a2752c4c0327d5fde	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
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436	ff617f9ebbbd530613abaaaed8d62126	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
437	ef1039f1445c8c5d070c6eb255224ea9	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
438	e79b2bc62f38033c5e5c4aac2b7e2f3f	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
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440	4991af24948efdec3e107e53e335d515	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
441	d88ca1b0ac80ae4da80e67f33529b8ae	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
442	732782a463816b002a0cbaa5d1ac60d7	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
443	cf069e2d30c9210cdcc7df8b732841b0	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
444	5839836fbc332a2f77a4133075eb6fa9	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
445	63716586f629f6070794ba77264afb6a	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
446	3803f664e6b277b16844825c63eb27ca	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
447	e9f40f06b3cc2a251d6725166b4dfbaf	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
448	4ece0f34fce586704d54c6f211efa8bb	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
449	756d098fe8822a5be1fd9864441f77d2	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
450	8e80f37ff0f29b1812c82f62f94da27d	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
451	e55af0356ae02bca7953e9f84471baca	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
452	590df6634d4fcc85b94179ae7bfae803	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
453	795c170ef7853434255489e0ce450249	Bacteria	Actinobacteria	MB-A2-108	0319-7L14
454	f6c9b0e366fe3720eaf66bea6ec68cb4	Bacteria	Actinobacteria	MB-A2-108	0319-7L14
455	c417b3717268df370d27859c539dbfe8	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
456	e51962336483e3585bcc8ba6bf6c3755	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
457	01d5ed85a63dc50f112f1b28261375a4	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
458	162d2f3f01e7eb1648eed03894317cb4	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales



459	e93b3b621248f68e3c7bd73f0074eef4	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
460	59793f108fd6cd9917297eae15ed8f1e	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
461	738a30d47b7af5bb4426d24a5637c0b1	Bacteria	Acidobacteria	EC1113	Unclassified
462	d4ec0073459e263f230c03641fb62dd3	Bacteria	Acidobacteria	Solibacteres	Solibacterales
463	d85366d3e3eea34d8b29b77cf737429c	Bacteria	Acidobacteria	Solibacteres	Solibacterales
464	f959cfa1998e67772d5dd5c653ed4dfc	Bacteria	Acidobacteria	Solibacteres	Solibacterales
465	b5570485545935df0cf8346dbc5e31b6	Bacteria	Acidobacteria	Solibacteres	Solibacterales
466	acdf0185f0425da42fb9c8e8fa72839e	Bacteria	Acidobacteria	Solibacteres	Solibacterales
467	f7c9e5837d3bc942dc7af920bffe5bc3	Bacteria	Acidobacteria	Solibacteres	Solibacterales
468	a1056a2ef7fb4060f58b7b425db0711d	Bacteria	Acidobacteria	Solibacteres	Solibacterales
469	f459b8c68e8643bc8e9e75df53c7b2cc	Bacteria	Acidobacteria	Solibacteres	Solibacterales
470	3d073d3eda9132b850c7e4bad46c34fb	Bacteria	Acidobacteria	Solibacteres	Solibacterales
471	fb3ce0e727a6d1e0e0284983dafb98ba	Bacteria	Acidobacteria	Solibacteres	Solibacterales
472	abf091fe7c01a7c678599866cf875303	Bacteria	Acidobacteria	Solibacteres	Solibacterales
473	4d98c30b9709813016d0650ff08de4bf	Bacteria	Acidobacteria	Solibacteres	Solibacterales
474	372b5ecd539c35f26ee9afcdc0ffc3bd	Bacteria	Acidobacteria	Solibacteres	Solibacterales
475	421ef26bab05e6ff4ea77956ac07bb39	Bacteria	Acidobacteria	Solibacteres	Solibacterales
476	4f8bb685a22ce7ab791bfaba23fe1971	Bacteria	Acidobacteria	Solibacteres	Solibacterales
477	1b4796086566862d4f03f121a82770e8	Bacteria	Acidobacteria	Solibacteres	Solibacterales
478	5af1b2a318b870fa620f9fed91434fdd	Bacteria	Acidobacteria	Solibacteres	Solibacterales
479	b72cc0e1d61a1c51c2dd23cf79ff8d59	Bacteria	Acidobacteria	Solibacteres	Solibacterales
480	af91784173ddc04498062ee3f1b4c886	Bacteria	Acidobacteria	Solibacteres	Solibacterales
481	2fa25bc382f1dab7d3cb0937d1c6a039	Bacteria	Acidobacteria	Solibacteres	Solibacterales
482	571e68795bd32dff4790e4baae6d22db	Bacteria	Acidobacteria	Solibacteres	Solibacterales
483	c54afe57193f1a447c947f9461107042	Bacteria	Acidobacteria	Solibacteres	Solibacterales
484	74ee5151fa329b24a1adb5764b139e0c	Bacteria	Acidobacteria	Solibacteres	Solibacterales
485	39b6f6e897ca22dde6c9783383916558	Bacteria	Acidobacteria	Solibacteres	Solibacterales
486	a71b09d10b70c4edcad5f82b207ad5e3	Bacteria	Acidobacteria	Solibacteres	Solibacterales
487	3e711aeb3f4f6913942d43f5c8953a5a	Bacteria	Acidobacteria	Solibacteres	Solibacterales
488	59ce942959fb4e2fa20875c96ddaff9e	Bacteria	Acidobacteria	Solibacteres	Solibacterales
489	3507ca283119f8d5df4819a2a653785e	Bacteria	Acidobacteria	DA052	Ellin6513
490	235e77222b59635aefd4fcc151a79074	Bacteria	Acidobacteria	Acidobacteria-5	Unclassified
491	88885c1bc7ed8740612e805e7f2c02b1	Bacteria	Acidobacteria	Acidobacteria-5	Unclassified
492	7f53c96a6035317310e8d0b715f96112	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Ellin5290
493	0d008beeb1de76d3866be3dc5b38008e	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL

494	eeee9f1b4cac3d8ae6324eb2e8f8c42d	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
495	4c70af9459078fdb58d9ca27a013b98	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
496	13aa9d71da511dd889d6587604909e07	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
497	571116a569441118f427208d173a3e27	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
498	8074cbf1c6ec5143acf1ce5a31a23797	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
499	a83b8c244c6be4740658fb6cf70befb2	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
500	29e7f040828bc3740a6da0d31ac132c4	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
501	daee12bcd47107c30970c71824f70ede	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
502	422c706fe974aef4d29324e4bdb51566	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
503	8c0601ee8a8f4bc3a00ccd20cf1349d0	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Unclassified
504	079f2876ac4c12b50643fbaeca84de31	Bacteria	Gemmatimonadetes	Gemmatimonadetes	C114
505	b19a53ae5babe1fae163465541dea5f5	Bacteria	Gemmatimonadetes	Gemmatimonadetes	C114
506	b1d06101a6d3b5683abe3db0ed64e7e2	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Unclassified
507	201365ea65d29d62f69490838ce12160	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Unclassified
508	686ac4dfc555fec4bdf18a4a7e759d7c	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Unclassified
509	67a6f41036f6c6bfe72e2168f5791559	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Unclassified
510	80871efcb0dcf752e54355226cde279f	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Unclassified
511	c522e7e010a773839be193df055c478e	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Unclassified
512	bc3cbd919a206b2fed90f6fbf5b90587	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
513	84f9ecd27be10e0a6756cdfabfc06530	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
514	8ff9eb8c8890d260f79ebbd87bab5a9e	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
515	dc7d3a8c915443111de594f1653cac45	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
516	01fac74aab8953b5a5d7a45252eb53d9	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
517	65a3ba69c5fae2364480afb0a5f67696	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
518	d330c2bb2fc4392da3940a6bb5734772	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
519	481eb2b93557fcefcd16ff0a19b8506c5	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
520	1fedd7c04f74ee3e178252a92e859028	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Unclassified
521	dc536467fd99bc535b3cd68faf1727	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Unclassified
522	70739dd7d5569a9c05d4afa8679b1763	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Unclassified
523	fb7eaf8e44a9425830c4229fab465a64	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
524	407f9989a12473e22addc2f796fe1f63	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
525	64574c20e5e37991ab4c5467aed79fe2	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
526	afb3dd20f1c13de0001bbb4126e299db	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Ellin5290
527	ebbd8a9c4dcd44ecec00bb0edca222d	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
528	131b8cfe269cecc1c60ff6a801f419cc	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified

529	b0df069fdcd6cb71ec3ee5ef530ee931	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
530	c2b3c017c7bbefb0561072169f485beb	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
531	db4249256787aa606d9a2c0f4ced8f4f	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
532	27e816bc64010c44feb42a4dad34af80	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
533	57c42eca3c68e410d61fe94ebce9d428	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
534	a1247cbccc508901767a5939b1b313c3	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
535	44af397b228842c3c27770af36a9a135	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
536	42a84cee687cb19f9388c3453d08b544	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
537	6491e09e9a844de95fa8e27651ce2569	Bacteria	Gemmatimonadetes	Gemm-3	Unclassified
538	1e0c1499259be5724fd8d5c2a648ffa7	Bacteria	Gemmatimonadetes	Gemm-3	Unclassified
539	c3c55d3d8d47c3a4b934e1108716b0ef	Bacteria	Fibrobacteres	Fibrobacteria	258ds10
540	6147441870cd76cf4ad2a7a69c759fd9	Bacteria	Fibrobacteres	Fibrobacteria	258ds10
541	01a1ade1ddd6c021c6d7a7da4a735261	Bacteria	Fibrobacteres	Fibrobacteria	258ds10
542	7a6e34dfb81abd062705e5f97170f8be	Bacteria	Verrucomicrobia	Opitutae	Opitiales
543	088bc8e23219dd6963838e23576b1799	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales
544	0930f2e6390b41d0c6cce0a5e63c0fe6	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales
545	78740cbc2d0574c17c2c417911cc77f5	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales
546	d89852dc64cd21c4dfebe25329423e39	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
547	ce704df8d7b8bfa090effb5693990536	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
548	405d4e6e0b71dd09d189d7d6bcd5fc98	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
549	cae935213e1880bd9e24d92d123f8263	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
550	191a639e7c3b16fcb7467c5ca7224bcd	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
551	fa23488874f1f635aa7c1da8d1b430a9	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
552	2a0c444b04aee94c21617cf32deb5878	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
553	0f1e32a7ba7d78e65ff7addea47d2888	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
554	d37a2266cb15188f69dd33ab1f357030	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
555	66899fbaf063cff39eed5cced7fc84f4	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
556	9f21be3341379a12ea71f308ccb720cc	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
557	a37a63dd686c329f8884e437713136b5	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
558	e22d8d98e80af25cd2282f0becc438c8	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales]
559	baf5344e404f9c9e22751ddd99168662	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
560	28b118ddefe3c8329f90607f6548df53	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
561	d8c807eab5b4a6f1a7c47cf1306fff1e	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
562	f585b520f1c97c56fdc18f31633344ba	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
563	aa25eb93407be121742985e439a7ecc	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]

564	8ae4bc74dc042dab9cbd0a8e10527094	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
565	64a2ede1ecea1eb57c35db0f108b73de	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
566	cab842b989da142636d0e9a5109cd71b	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
567	0b5f553c52ac5dd5901b0e5387edccca	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
568	edc3545429a3a76ff34df572d3fe2403	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
569	75a3ff1ca392c56fe27ace3fed632c86	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
570	8248000ef437e9ec0106a61041f8d945	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
571	b99c2f3b0c813fd9b9d8a2335596a255	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
572	461e033b629a26c8e4a908a0534515a3	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
573	9f417d82f27711b46d15d575f78ceec1	Bacteria	Nitrospirae	Nitrospira	Nitrospirales
574	d4a980fa09d26061399f504f8b05cb46	Bacteria	Nitrospirae	Nitrospira	Nitrospirales
575	f50b386450839e10e85a6703ad5e532a	Bacteria	Nitrospirae	Nitrospira	Nitrospirales
576	1d714f4335fc94c953942e86b3bca5f4	Bacteria	Nitrospirae	Nitrospira	Nitrospirales
577	0a72b64daf14233e4984c34de74f9c8c	Bacteria	Nitrospirae	Nitrospira	Nitrospirales
578	73b6c8f144100bc7e74b7171bcd8f4a9	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
579	b596a391f0ae72a826424757ec10a334	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
580	17185fc7822e3b701966c7bad7c51e17	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
581	bbda89048c411ad217542dced84094f2	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
582	fc31a88e500b7fadd137ecb7fad83afb	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
583	68fce575195da09e7f5378faeed65975	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
584	b1f851ba6afa5ddb683f663ca31651f8	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
585	4111ba75676022326ddd168089338946	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
586	a5edd95efb3c53d4a213ea982deac25f	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
587	cdf9990adc13b14d6aef73c5c2311026	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
588	469466b370bde9ebfc0c967a28a240f7	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
589	06199bee4ec2cb5d41693012feb7033a	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
590	d088ee2ce1e49bc784d421bd29b1d1f4	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
591	962ee0574c6436327d1ba78247f3ff36	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
592	b193b282e11d025e0c3d8cc119d8e619	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
593	95f1d3eee9174814f06dfd31fc6146d6	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
594	509acc89e600867a7cabb4af7a515e06	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
595	6000ae8c5f397315711f55d5fbb743b3	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
596	b881789b5e72316cc2270a2f7851e0a6	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
597	b81b8ba27a450544efc68333602a3ca2	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
598	89ee2c8a474fd96ee0602be312f9f3bf	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15

599	0c273667c702f6c9cc3b10127a32a9a9	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
600	5ba375484af71fbfb221b435fd492285	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
601	784ebf2a1fabfec7dca64e7918e688be	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
602	0b1b4708fb46637e681fa4812f771d6a	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
603	65cbe031cb0319737baf8dc91b78473e	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
604	8c10e607f0765167d60a0bc969322517	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
605	1d44e671399a326c91175ef09712ef9d	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
606	ac2013d760553f3dff82f5c9f3fa3a2a	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
607	d9bb1b117b23d73e5cc46e2575d8c236	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
608	6124d552218ac53738a4796486726f4c	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
609	072f4ada78b788c6695c970ee46e3c1e	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
610	4d6ac3e430c450d470bc33a4c81afe71	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
611	cdce1f70d8c05de61c7dddb7d9ce12d8	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
612	373f0ef0d4898085b1c9202fb874bf12	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
613	2540aad7d848a5288258bad861c4d33b	Bacteria	WS3	PRR-12	Sediment-1
614	34985cd5ef2d93b5d6fe9b04d8805a13	Bacteria	WS3	PRR-12	Sediment-1
615	bb1bf61131dd45d0860aba4cb83ebc7e	Bacteria	Actinobacteria	MB-A2-108	Unclassified
616	1423850356e37ebac277e6cf52e12057	Bacteria	Actinobacteria	MB-A2-108	Unclassified
617	54da0436d8edc9b37b607ca8e6c4125d	Bacteria	WS3	PRR-12	LD1-PA13
618	7ff989ef85d5a50b51844147cd12ebf9	Bacteria	Acidobacteria	Acidobacteria-6	CCU21
619	4c50b809babda4bb538c03949b7e0cb0	Bacteria	Acidobacteria	Acidobacteria-6	CCU21
620	4e2fc72e57a811297aa32456e21a605f	Bacteria	Acidobacteria	Acidobacteria-6	CCU21
621	4f9bc2d452359e9a698c9a378ae8df8b	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales
622	aa092c03a74af7d796f5e8419fa22b33	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
623	6cfef4ff25e2e0a8def1f383cc6fad3c	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
624	6c1d44698cb7abc0881cf96689b51b0e	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
625	98f4cb43ec6481d77bf94fcf3173dd76	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
626	30d12885f309c42ed6f7692e3e583251	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
627	ad00709366947281b0229d5c89d63719	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
628	5000537c63109445bb61c87a6de6dee5	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
629	5d47e640318eecac0a77c7c8d8f1759c	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
630	1a8fac900505bd602d92d8528daa42e6	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
631	2f95c2f37215773b094914e9185a7b63	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
632	130b1a945244cb879e465a98f28af33f	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
633	c36b5f25a541c930a66dac84f2746b78	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales

634	462f6022bd2bfc4915c48ac654c3664a	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
635	07a2a89e7be9486f3e0aaa1ce16221e0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
636	5ec40ea1b60f2f43e059e4401dd069eb	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
637	3882e666b9ba318ab0e15e2834e662dd	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
638	a12b7bda297911dc651e8904209a66de	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
639	bb4f2329d8dddafa677e4809bca2fd6d4	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
640	9ca907aa2438398d5dea9387ea401650	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
641	3350e24b678a5fd615e6dc8c22cf4bfa	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales
642	ca756185a429931b10a998afb1b903b0	Bacteria	Proteobacteria	Betaproteobacteria	Nitrosomonadales
643	faf4002697923188830c40a0cb4102b8	Bacteria	Proteobacteria	Betaproteobacteria	A21b
644	99461034fc8606cc93853216fa961862	Bacteria	Proteobacteria	Betaproteobacteria	A21b
645	b42af8523bfe6cf1d6c901b865a8e972	Bacteria	Proteobacteria	Betaproteobacteria	SC-I-84
646	1a326bd54d2a562c44dc9eda7af7fa9e	Bacteria	Proteobacteria	Betaproteobacteria	Unclassified
647	e6648d4c0598af9990010b0bb041ac56	Bacteria	Proteobacteria	Betaproteobacteria	SC-I-84
648	09adf56aa76cce194272e4951e3f2b30	Bacteria	Proteobacteria	Betaproteobacteria	SC-I-84
649	f3803949a1492e9416d9ec6800016afb	Bacteria	Proteobacteria	Betaproteobacteria	SC-I-84
650	f76bdd3508b985e06db2f4782886fa80	Bacteria	Proteobacteria	Betaproteobacteria	Unclassified
651	613535b52e239368923902bc0daa9229	Bacteria	Proteobacteria	Betaproteobacteria	Unclassified
652	bba3ad148c627788deb2a39c835283bd	Bacteria	Proteobacteria	Betaproteobacteria	IS-44
653	83c48b73845907def5c0bc855afb53bd	Bacteria	Proteobacteria	Betaproteobacteria	MND1
654	c1cd1e5af08e0fe767e8869ca3e88db0	Bacteria	Proteobacteria	Betaproteobacteria	MND1
655	59f594b195603a36b31f1360966134fb	Bacteria	Proteobacteria	Betaproteobacteria	MND1
656	ab3afaa95481a39ca6e81c609701989b	Bacteria	Proteobacteria	Betaproteobacteria	MND1
657	b78031c952975ed4da1b561f6e4c2535	Bacteria	Proteobacteria	Betaproteobacteria	MND1
658	1d4b0f5ee7330a4dde3bde286107e6b3	Bacteria	Proteobacteria	Betaproteobacteria	MND1
659	09a0b3c23f426128cb288b6da9aab4f5	Bacteria	Proteobacteria	Betaproteobacteria	MND1
660	981d1d9691fbcfc4370e894e47ba3280	Bacteria	Proteobacteria	Betaproteobacteria	MND1
661	19c959384ac80ac911c9aef5ffe7f32c	Bacteria	Proteobacteria	Betaproteobacteria	MND1
662	e31d7bd00f02a003e968777ace54bd4f	Bacteria	Proteobacteria	Betaproteobacteria	Unclassified
663	ad5d6ad6afc2c2fd5831de204d195f20	Bacteria	Proteobacteria	Betaproteobacteria	Unclassified
664	68e35018eeb11aaeed211d7966d6f9b0	Bacteria	Proteobacteria	Betaproteobacteria	Unclassified
665	16e7e81c8490bb54165fca59bd9d1235	Bacteria	Proteobacteria	Betaproteobacteria	Unclassified
666	c34641aeddcd91f0e64dde338b61289e	Bacteria	Proteobacteria	Betaproteobacteria	Ellin6067
667	d178ba695af76dd2349fd62f2e73252a	Bacteria	Proteobacteria	Betaproteobacteria	Ellin6067
668	1f5e2b7bff01b0a0bc26ebd4528b659b	Bacteria	Proteobacteria	Betaproteobacteria	Ellin6067

669	9e55b46d277a8d6e3700e47b3eb3d68b	Bacteria	Proteobacteria	Betaproteobacteria	Ellin6067
670	8bc5eed66c4e1a1f998d1c4e913bd9b8	Bacteria	Proteobacteria	Betaproteobacteria	Ellin6067
671	20c9d37276463fcc9de1fe69fee03167	Bacteria	Proteobacteria	Betaproteobacteria	Ellin6067
672	6e52bd28127957f722b976e28d5201ab	Bacteria	Proteobacteria	Betaproteobacteria	Ellin6067
673	e277a4794ac5c75bb9192ff66a140d68	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
674	1c204d15af10425735f93e9940e78d22	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
675	7940d7a453d14b0d83031747f458bca1	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
676	0a2eeb3a7b600c4ef84c588442491eb5	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
677	a22d85afc9b9c369c83dcc86e6debb9	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
678	720c3572d80e49b92503ce11f4fc7929	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
679	1c93ae8a6b5d2502e7ad4a02c5d6e09a	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
680	a184be74f8118945316c05246e53dc8b	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
681	f4a4c3ec2c53d6463dab76272534839b	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
682	0aa30175eee6be2399e1d239cd6b25c4	Bacteria	Proteobacteria	Gammaproteobacteria	Unclassified
683	17e3b36f17749bf66f6bec0372fcbd3e	Bacteria	Proteobacteria	Gammaproteobacteria	Unclassified
684	0ed854d3f3705f7c6ef75d1392766658	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales
685	5711c20193364fac0a5c4b0b183e0304	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales
686	1ef8c58ac3e7b25eedbaa1dd8ca7269	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
687	dcda9ab5aa8405f289f48dbddc553c2b	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
688	75750e0bd6698791dc51028e36bdc3db	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
689	8e47a69bbd5cf20bd3553692007a746b	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
690	b1b9875cd142ec4e39fd2833a3a51685	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
691	50829f1ebb19d168e73302f075885e4c	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
692	8118f05fa7696e09fe920099b98ac234	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales
693	8a8c2fbf3d4f6d47c49c067ff90ef228	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
694	4fab2ef28759a45df1cdf9936b6ea2f2	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
695	5faff020a5b06cc6a36805267b7ad587	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales
696	9472f3acd34be67071d9fea2009f3fd9	Bacteria	Proteobacteria	Gammaproteobacteria	Unclassified
697	f635c0fbc3510e5bb696e21d2cbea75	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales
698	98c60687769fe507135a503df91f8560	Bacteria	Proteobacteria	Gammaproteobacteria	Unclassified
699	c44fbce86f3e357595214fdc4c28964b	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
700	2fa69ebe8849b48a98b9a415bc659cf2	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
701	c7a40ba47963bf52f7065f5bf0f6daad	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
702	e91e1adfbae862315b20d0e6bdb6aa74	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
703	5ce871c20e6656fb389c0c0fc76f6c91	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales

704	180b987aca51b0a60b24b64091f749c4	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
705	4665bbb306a53ada7fc7206c0d39c104	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
706	f4bdb5d4ae4b019a665237ffe7a773e1	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
707	c4bb24f141429fd24345ad261004cb4e	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
708	8355dfed822c5f9b0f9fed2a13ca0bf6	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
709	99430d109036de0675b0f373deccaa3b	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
710	279e85439fd755aeea9a685bea9287db	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
711	2b0dd641120188d07bb10c6de8e95b58	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
712	4f0d37abe5a027419b9ccc16964d14ac	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
713	eecf7888b9eaa711350ad70038b92e30	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
714	71e150605b1b8384afea642818c7c6f3	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
715	357b9325de0d991940efb42df7ff2558	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
716	127bb1c9b6981b662f778db3b5f12b8a	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
717	03d6e6241ec7f1635d5c11183a9dc2ca	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales
718	782db7864e5213355bad3961d6c56c5a	Bacteria	Proteobacteria	Deltaproteobacteria	NB1-j
719	9803d2143eca9ca271d2ea3dad9fda5	Bacteria	Proteobacteria	Deltaproteobacteria	Spirobacillales
720	2c6e9afb5bb9a707fdcd92f78064a9ff	Bacteria	Proteobacteria	Deltaproteobacteria	Spirobacillales
721	2fe2572de690db2136ab14131c974594	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
722	d5a23321389d2ad565216fa57768ba49	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
723	84a8e492ff293066556b7170bfbc329a	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
724	fa8dfa520c226760921053fe4d49d10a	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
725	96266c354e50afb7b8dc7edd9d51d6d7	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
726	b7d66b0d44fa3df10f325fde26a3bb22	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
727	2fa7eb3f20b0eb4a905d8617ffafcf7c	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
728	db283d1fa0d2fd5dd18988c1bbe62af4	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
729	0ca2b3b132aa42c598a381a4c02c48e3	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
730	f6d4b97e6db6165bb663607fd78d4f4e	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
731	886c4e06b933f6da4e0c3a1b78ef471b	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
732	3d397d8bde46230255a325fdd8cf923d	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
733	80543d3d255fa86b5d6836b716cb9390	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
734	39d0118529d24555bde7c1b6e797afba	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
735	5a270cbe1d79dc79a15ff669fdce6202	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
736	8a389c26b979cc866d0e23c9f0676bdd	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
737	7057ce35e35cb8e673b20036a8b64ab9	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
738	0e5bcb63900c2231a866a3343eff79c2	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales



739	c453b7a965a7662e532ec00674a2e059	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
740	194a40fe0c1e10ef50359c5feee1c1fc	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
741	259a3c8c0dd89f339288ec8a4fe068b6	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
742	4840ebf0d0a5a333cb7b49cf060e369f	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
743	d4209785197104d65bd23a986dc1ee67	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
744	ed99cad382a0c727ba9a139fd7fb010d	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
745	cbb589abf190d6a56eb930c6ead9e686	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
746	ba3edf69a6d2ccbd45a4d89264685bea	Bacteria	Proteobacteria	Deltaproteobacteria	Unclassified
747	75bf25d4b866de8b5dd565dbc5406614	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
748	fc989f4b7fb96281ab37e2c0564f4fec	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
749	3b9c04d787ebd0e34dd60e2a389f274a	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales
750	cdcd3540fe1d74540ad1a531ecca51a7	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales
751	967348fddda10b82d874b3091aabajdb	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales
752	069475e37f8040c384b52db4162f879a	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales
753	3d8020441920285c4ad3ef9fb92b02ba	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
754	5cdbb827cd2633db5e2e52e453863d78	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
755	a15f45b6b3371afc907cb4862b1137e6	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
756	29f58f6d51b43a34d3288acf1472f59a	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
757	e7efadfc8cf048a8afd8a3bc70591825	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
758	aa63a9613a6169f233908f5a4738eec6	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
759	12c93a13363474f234c34602a67393e8	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
760	c0d5d77bfc22f8ac94541cca6546b67d	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
761	7da97a11f4881a0bfc7d14b5ebf030a3	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
762	d0e6756679c5882f417011435071d859	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales
763	7600d0a0ba92ed8d561559c2fe2ca1b5	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
764	7ed8bd01e6ac95bfde657ec94b470ca3	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
765	a317c36764fc0f8c145abdf4764a4372	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
766	af0b98b385726f3575a31ed4e46cc81a	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
767	555b3640e96b53ee10bd45f4194ae431	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
768	16162de2f04474884e5a478d373fa3d8	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
769	7104eab9c86af42e69ffb9f9f9bea50791c	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
770	a0583f5bad45c88460e495bc2806ea71	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
771	bb836ee076d416ee9698388797a7bc0c	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
772	c70cf1c1b6f532a12717f8c4828ef2a3	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
773	e6d97160c35173430e6877ca0d8f2b93	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales

774	ba3dced0e3f48f91fc50a9f438af7046	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
775	67938bf4f217f74583c4a2de74bdb327	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
776	7b7536ae174cbe47e85637d5fd4c628c	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
777	11579dc0f8d361ca56d79701023a8e25	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
778	863de625dada9b69bf496772318489d6	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
779	e60fcdea60e58a451253a176d26a2475	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
780	d48f3a0ff49109e4be2b3a01f1e9141c	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
781	ae8dc1fec3aa54e88de6ab9013147129	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
782	ec55f3aa2e287666e5c9637d183f4f5a	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
783	b6f13f6ce1abb598bd59123eed903cf4	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
784	c48d2d9b2eb3fa60aa5103ec544ce161	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
785	3dd0a9a0f2c397b6a320c7ba797bb42f	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
786	05ebcb73e7188947cb432ecd9a1770da	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
787	23b39cf5e7ea853c05d066183272d85c	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales

Maturing and Degraded only

		Kingdom	Phylum	Class	Order
1	52ec7fd2205c5ebe101e22df7397f4c2	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
2	8ecfb641b2b56ae0f579da6a282bec8e	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
3	a009a48792cc63ea3c618b50ab844445	Bacteria	Proteobacteria	Alphaproteobacteria	Ellin329
4	362a7f335ee2b4a0287de1ed844b2edd	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
5	22206e60f2cf447ae6d2a49102fc538c	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
6	99980a7aa2aaf48d5c9387bb49f4df5e	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
7	e021587ff429886dfcbf4aa33a6cbf14	Bacteria	Acidobacteria	iii1-8	DS-18
8	e88cc11a017318643d7632161124cf86	Bacteria	Firmicutes	Clostridia	Clostridiales
9	6e94aae80b483e6767eb4f3161ef4e22	Bacteria	Chloroflexi	Ktedonobacteria	JG30-KF-AS9
10	3560b28d0491f660b6a48ce4f4ef5230	Bacteria	Chloroflexi	TK10	B07_WMSP1
11	81c25c1dd0f18ef2e1c6ef545b432f3b	Bacteria	Planctomycetes	Phycisphaerae	WD2101
12	00db824685cfabe69ac06f32ef8d1c79	Bacteria	Planctomycetes	Phycisphaerae	WD2101
13	a37566e118fa1999a72e8c575400280a	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
14	847b58deb63690b31bae226064bd8aa1	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
15	db04b50150907e5467f05f136501762d	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
16	457b6a915f2d4e940afd54d290b2f0d3	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales
17	56eefca052cbb9c0df63e4e774b6ac11	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales
18	205c2ed6db27f1fc695b7d0cb81fd090	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales

19	8147fce35bb043f4239edae1f7144268	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
20	18c9890b3447cd5968862cce39d9f8d5	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
21	896ea6d10cd38eb7654f539dd6d197ee	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
22	5c67057053491735e098e6975d7bcc60	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
23	53aba208a5164aa6106da20be52161ef	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
24	f4877856399df6f0321d88f4aa5728e1	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
25	1d92705b9dbf5469fc5209977f392f4b	Bacteria	Acidobacteria	Acidobacteriia	Acidobacteriales
26	1763a9f89a74ed9c230fc9f14e02001d	Bacteria	Acidobacteria	Solibacteres	Solibacterales
27	4bc973f9fca130f8d7731d415c5ba805	Bacteria	Acidobacteria	Solibacteres	Solibacterales
28	0819d468aaab2867258ab773bd17311b	Bacteria	Acidobacteria	Solibacteres	Solibacterales
29	adfc33b077db4b2a14c36e84eb203ee6	Bacteria	Acidobacteria	Solibacteres	Solibacterales
30	212005b4298fce926eb2e219c4dc325d	Bacteria	Acidobacteria	Solibacteres	Solibacterales
31	fca6781b9904cc497917395b7a75f671	Bacteria	Gemmatimonadetes	Gemmatimonadetes	N1423WL
32	95bbbea489392baa62fd9125ed2503e7	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
33	59413c8a4bc584c5a967b2de0ef4cca1	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales
34	ac3d0d19120d5edf449232020a8858ee	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales
35	af5b88c1345309e955d5e992e5a813ff	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
36	179c1b882e5b5d2a561bcee4820f0103	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
37	b0a665d2b304c1e1349167d8c614bc29	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
38	2e6997c259d81771b797d65c875e4d34	Bacteria	WS3	PRR-12	Sediment-1
39	1b41c333bb802a78d07f9b2e8d007035	Bacteria	Proteobacteria	Betaproteobacteria	A21b
40	9046f942954701230037c8a7f34d10f4	Bacteria	Proteobacteria	Betaproteobacteria	Unclassified
41	98ef4939f4f1ea8b48881872e5673438	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales
42	f275df90c6deb6e5ca14fd3283f32db1	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales
43	923abe78d23a907ba1fe7ea48f01511e	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
44	5cb054fd0333f85f6b487cad2815d82a	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
45	e72fc1b8efe0b529e9c3b3a13770b9bb	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
46	061bcfcee9ed41ff093c8551f84ac208	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
47	5160738867ca66d51f95f20d546f32e4	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
48	53993c88b2d0c930dc1362cc1c8002ec	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
49	f6d581f1c90c44304b977b6b28fb2d57	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales

Maturing and Disturbed only

	Kingdom	Phylum	Class	Order	
1	16ea3d02610d0b7c722b15153e693cc6	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales

2	c8bac8815bab4c71160bd6425850be18	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
3	3ae6de602880e571a1227630fd55d8f3	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
4	f3ac2f3b1767ed1619a2605daef981bb	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
5	d104053675f0ff36e459ac8599e6d506	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
6	62744d80b007faa2d6c88ce29684afad	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
7	ff70967024460306d084349ecbe6a6b7	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacteriales
8	d53e45799f4ce3935580b307714400aa	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
9	5364b568da6e9b826f176d012942b97a	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
10	a8d71ce8e30c53b74c7c33082455b2ff	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
11	532a520fb11d6a0a6a599f7b7da85d48	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
12	13c1f3d6acf02760c0d4f93324f6ed2c	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales
13	6bbbed7ef53bfedd174df0143b2380ad1	Bacteria	Proteobacteria	Alphaproteobacteria	Unclassified
14	50945a0c033eddbfa07c0a0148b2ca4a	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
15	7fafdf7c3dfa76f047c838d1afeba1b2	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
16	c20f915f6b5fcbab02de1d805e6ed147	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
17	ac4ff1250bb834605e7bcc7e5be330b3	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
18	88ae2be91caa2e5b849685a45b40259f	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
19	1c5ed11f533ccf68b4898d0d90badb6a	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
20	956bc425ddedf4f9fe207222a5cc1b4e	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales
21	ffbc10f02398eb4a720c3b7a2c762df5	Bacteria	Acidobacteria	iii1-8	DS-18
22	6c3a04af2e509a721868d7bf23d59a34	Bacteria	Acidobacteria	Sva0725	Sva0725
23	51f6b3cd9e6736450ab89eaac306a0db	Bacteria	Firmicutes	Bacilli	Bacillales
24	7e3d529f46ddd753d6600eff63b10ff0	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
25	f6ed1ebff5286022a266f9fac745d9b7	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
26	d696d27daeccc1863ddccbdf3bf7b11	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales
27	8a76b3907347c0b166317dff9e754c5e	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
28	bfc68cadf72996c4f79d07fc45849b43	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
29	f67f774646f75075ab2249151ca669e5	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
30	bc3a23b14da2f1ddefe61b9f227d06e6	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
31	bbf3495b5da718db1593c839d94fc24f	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
32	22a52b640f7bb503148af4978572e14e	Bacteria	Bacteroidetes	[Saprospirae]	[Saprospirales]
33	cff866e9d000f4175ce4e7ecd8d7aefa	Bacteria	Bacteroidetes	Cytophagia	Cytophagales
34	59b958f33dfacabe35ae617828bcce46	Bacteria	Chloroflexi	Ellin6529	Unclassified
35	e2fd3fef69dd313c7c6cff6197bcab72	Bacteria	Chloroflexi	Anaerolineae	CFB-26
36	2bdd3928fe2cd9b924e087e3cda1facd	Bacteria	Chloroflexi	Anaerolineae	SBR1031

37	f9954f137432639ff8f15ffbff598231	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
38	9f5337479f8e930a91c559c8d67c1f85	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
39	5189fa426091afa31f35735ee78fbd5f	Bacteria	Planctomycetes	Planctomycetia	Pirellulales
40	e1f69407d9110aee640b2bb54ef10f9e	Bacteria	Planctomycetes	Planctomycetia	Gemmatales
41	9ece8c2fb762af76f39f379f0f66b754	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
42	0049400284ecadb357fd98081047b78c	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
43	1dbc0bd5b4c99d2ed3a470d01cb613cf	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
44	2a2b14b2ba07815e2937b13a2cb2c8be	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
45	78abe0fc03ddf2b3410e08420d392214	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
46	870eb3566cf93b752b9a74523e3cb223	Bacteria	Acidobacteria	[Chloracidobacteria]	RB41
47	8c9924fd56edfba0cd6416af7b5043e7	Bacteria	Acidobacteria	[Chloracidobacteria]	11-24
48	76f3a863e85814d3700657d862af80fc	Bacteria	Acidobacteria	[Chloracidobacteria]	11-24
49	ffe44a3348ea881be1e414c5aa10169c	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales
50	508976a46752ca54831042b7bbf12578	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales
51	18ecff11dc38147eb74e508549e3b1df	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales
52	b7bb51b7bb2204f42210409b65c853c3	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales
53	33d5ce76b899beed45471e8aeab24e42	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
54	6099aa89d5fd121a845911ac998a4761	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
55	4cf9af35666b80e022e1595be0f53c27	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
56	8f7d8d40708dfbff8e3a45893f28bb54	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
57	830525c78d9543e71277b2b09b636bdf	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
58	c9e020e2a5d777a92db51a1dbd3d2613	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
59	2545201b50c8d32ebdd7ea09cf89e6cb	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
60	455e4f0e8c3b4529a30326f616fa8d41	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
61	081c26d16baab4cbf43ed0fb7af6326b	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
62	2ce4f602f3b546da85170a5d94a73a85	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
63	426be188b775dde01407ad3c4dccea09	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
64	79e703fa7e7b12412e5c21699abe3caa	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
65	312770a9e9897f98299e385652cceb60	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
66	d730331f84eb94aa16d9bb1339162e16	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
67	aef06ec180bfef8231d3f5ce38f7664d	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
68	242a021910363bb9898a9967233bb808	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
69	9c20dc598a96bb1aeceaae3ef0b3138d	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
70	c30700384f7472ee405696e55dc61cca	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales
71	91c87181f018f5f5728d9a59f6969d64	Bacteria	Actinobacteria	MB-A2-108	0319-7L14

72	f3d1a8cbc7808b9bc9c2b34886a65f1e	Bacteria	Actinobacteria	MB-A2-108	0319-7L14
73	b6f9bbf8b8d943ea51ee1f291a5ddb56	Bacteria	Acidobacteria	Solibacteres	Solibacterales
74	e1c1bed3df905ad52b212136ae83a3a0	Bacteria	Acidobacteria	Solibacteres	Solibacterales
75	87bad7f48d1baabbe9d89bf7b7076ee5	Bacteria	Acidobacteria	Solibacteres	Solibacterales
76	05ddf21cfe201e2cbb1d6bedf0514e96	Bacteria	Acidobacteria	PAUC37f	Unclassified
77	ea3c02e23811eedb320ba0e87930fcf	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
78	6b33822bfe584a061ecde5b0fb1f87ce	Bacteria	Gemmatimonadetes	Gemm-1	Unclassified
79	c997b561f54dd2a659084bc389ed58af	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales
80	5bfe7b9c63f1c0bd25777edc0a063e22	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales
81	a7fbccf5a44032c2487b8c6182f622a8	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales
82	bd7a03b8715c03477560ec3c1629a35e	Bacteria	Verrucomicrobia	[Spartobacteria]	[Chthoniobacterales
83	170b7215d757f34a43024f87116c9ec4	Bacteria	Verrucomicrobia	[Pedosphaerae]	[Pedosphaerales]
84	fb2503a55f62a404ddabdd4cc1cf8550	Bacteria	Nitrospirae	Nitrospira	Nitrospirales
85	cec24b7c62e697f62dc0b22a30d0f0bc	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
86	48e724dae9a5ffd7b680297dfbe6883a	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
87	fe92b6b9938fa76d8f8cd1e526208d67	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
88	97e54bc48562a31f3c708a33892506cf	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
89	6bfab3ff374fc7cc875faabffb53645f	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
90	8780d95bd159cf334788a0071b7a5f65	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
91	0935a4ddb072ac5c86f04dc7ae4c49b3	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
92	5524127c24e7cbe7d76a2a95d5a2e042	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
93	327439f02bc61efacc6666488def2446	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
94	f71482ef5104af6d797ee9615395e826	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
95	213c6b95b1a9a8498b0a19885b37182c	Bacteria	Acidobacteria	Acidobacteria-6	iii1-15
96	25d48796bef123a5e469ed72f6985b53	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
97	2571f5b092b73dd3afc09f05d947f0d0	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
98	ee40ef4ea5e70364618f1bdc7f030ed6	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
99	85eb003208b1afb8dc9b724949c0c2d	Bacteria	Proteobacteria	Betaproteobacteria	SC-I-84
100	d35a7bd78c7f2aa1c1497100e6f2566c	Bacteria	Proteobacteria	Betaproteobacteria	MND1
101	9829b06a6849030b420506c7bc50f8f8	Bacteria	Proteobacteria	Betaproteobacteria	Unclassified
102	a4ecbc31ecab1aa03ca0c258922e4924	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales
103	693336e1a17d1d27b0e7d67dc0d6dfbe	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
104	9bd99fc418ce490e05be1484a2ea335b	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
105	b22e00df40182c99dee2919938694917	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
106	322ecbec7e563be8eabf259bcb793fb2	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales

107	e717e70ece6358ce8b2b5428da5e0ae6	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
108	8defedf1df3035494b7d5f94799f82ad	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
109	c25c87a28d6aa258079e1d6cd86f981c	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
110	fcad0b18806dba84315d345790dda23c	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
111	39b2c5baf9f2b67362429365caea9cf	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales
112	6707c681e075c1d171f69b5534841858	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
113	0c858424b2704a7f1ba8ac8a11bc3882	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
114	63e0fd0080063b57edd1ed7855355dff	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
115	7666c5a82d363fa02d1b510ae9e9cd80	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
116	e452f892eef357769663eb581a8dbaf5	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
117	1d8678129cd39bce8f390f9d5569fa34	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
118	2fc2eec50e35240e7c9a7c17986f0a88	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
119	ba7bda6b77f618e40a44d00b7f799bb0	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
120	552a82486c1f75cb5ac949bda1627884	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales
121	dc15579261d3867a8d3e935bed3189c7	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
122	4bae710cb91ca620c0dde0f7e08b9bdf	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
123	46f33d08bc6038c273473ac0f59ebafc	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
124	d709048a28b72678651a64fb0b76a050	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
125	73c5160fb7998cc04e2cee6720fb33c5	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
126	45d38d0c9b43f3fcc46a2dd32e95b539	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
127	8e4c77b647a26fbce093866ec6273988	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
128	ad1f9da7d554209b283d22f2ef669631	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
129	4cd4c728dd5e0e383b7adc5020090154	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
130	f7cb86180d34b2aab9b9910b286e670f	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
131	3b84f6bdce70717c2910607a49dfce25	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
132	da13e155bbd267ea930488d736c9df1b	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
133	7e23492147e326c8e8469fec37012436	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
134	27e9ef0969027b4ad594d7b630bcbe9f	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales
135	c9995a2034a9373ed35d1e490d25fcc0	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales

Family	Genus	Species
Sphingomonadaceae	Kaistobacter	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Comamonadaceae	Methylibium	Unclassified
Hyphomicrobiaceae	Devosia	Unclassified

[illegible]



Unclassified	Unclassified	Unclassified
Pirellulaceae	A17	Unclassified
Gemmataceae	Gemmata	Unclassified
Gemmataceae	Unclassified	Unclassified
Gemmataceae	Unclassified	Unclassified
Syntrophobacteraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Ellin6075	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Conexibacteraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Solirubrobacteraceae	Unclassified	Unclassified
Micromonosporaceae	Unclassified	Unclassified
Geodermatophilaceae	Geodermatophilu	Unclassified
Thermomonosporacea	Actinoallomurus	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified
Koribacteraceae	Candidatus Korib;	Unclassified
Koribacteraceae	Unclassified	Unclassified

Solibacteraceae	Candidatus Solibacter	Unclassified
Solibacteraceae	Candidatus Solibacter	Unclassified
Solibacteraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
Unclassified	Unclassified	Unclassified
auto67_4W	Unclassified	Unclassified
Nitrospiraceae	Nitrospira	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
PRR-10	Unclassified	Unclassified
EB1003	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Xanthomonadaceae	Dyella	Unclassified
Unclassified	Unclassified	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified

Family	Genus	Species
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Xanthobacteraceae	Unclassified	Unclassified

[illegible]

[illegible]

Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
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Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Clostridiaceae	Clostridium	butyricum
Clostridiaceae	Clostridium	baratii
Clostridiaceae	Unclassified	Unclassified
Alicyclobacillaceae	Alicyclobacillus	Unclassified
Alicyclobacillaceae	Alicyclobacillus	Unclassified
Alicyclobacillaceae	Alicyclobacillus	pomorum
Bacillaceae	Unclassified	Unclassified
Paenibacillaceae	Paenibacillus	Unclassified
Paenibacillaceae	Paenibacillus	Unclassified
Bacillaceae	Bacillus	foraminis
Bacillaceae	Bacillus	Unclassified
Planococcaceae	Bacillus	Unclassified
Planococcaceae	Sporosarcina	Unclassified
Planococcaceae	Sporosarcina	Unclassified
Bacillaceae	Bacillus	muralis
Bacillaceae	Bacillus	muralis
Planococcaceae	Unclassified	Unclassified
Planococcaceae	Rummeliibacillus	Unclassified
Planococcaceae	Solibacillus	Unclassified
Turicibacteraceae	Turicibacter	Unclassified

Bacillaceae	Bacillus	Unclassified
Clostridiaceae	SMB53	Unclassified
Trueperaceae	B-42	Unclassified
Trueperaceae	B-42	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Cytophagaceae	Rudanella	Unclassified
Sphingobacteriaceae	Pedobacter	Unclassified
Sphingobacteriaceae	Pedobacter	Unclassified
Sphingobacteriaceae	Unclassified	Unclassified
Sphingobacteriaceae	Unclassified	Unclassified
Sphingobacteriaceae	Unclassified	Unclassified
Sphingobacteriaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Saprospiraceae	Unclassified	Unclassified
Saprospiraceae	Unclassified	Unclassified
Saprospiraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Sediminibacterium	Unclassified
Chitinophagaceae	Sediminibacterium	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified

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Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Flavisolibacter	Unclassified
Chitinophagaceae	Segetibacter	Unclassified
Chitinophagaceae	Segetibacter	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Flavisolibacter	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Niastella	Unclassified
Chitinophagaceae	Niastella	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Cryomorphaceae	Unclassified	Unclassified
Cytophagaceae	Unclassified	Unclassified
Cytophagaceae	Unclassified	Unclassified

Cytophagaceae	Unclassified	Unclassified
Cytophagaceae	Unclassified	Unclassified
Cytophagaceae	Unclassified	Unclassified
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Cytophagaceae	Unclassified	Unclassified
Cytophagaceae	Unclassified	Unclassified
Cytophagaceae	Hymenobacter	Unclassified
Cytophagaceae	Hymenobacter	Unclassified
Cytophagaceae	Hymenobacter	Unclassified
Cytophagaceae	Hymenobacter	Unclassified
Cytophagaceae	Adhaeribacter	Unclassified
[Fimbriimonadaceae]	Fimbriimonas	Unclassified
[Fimbriimonadaceae]	Fimbriimonas	Unclassified
[Fimbriimonadaceae]	Fimbriimonas	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Ktedonobacteraceae	Unclassified	Unclassified
Ktedonobacteraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
S47	Unclassified	Unclassified
S47	Unclassified	Unclassified
S47	Unclassified	Unclassified
S47	Unclassified	Unclassified
[Kouleothrixaceae]	Unclassified	Unclassified
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[Kouleothrixaceae]	Unclassified	Unclassified
[Kouleothrixaceae]	Unclassified	Unclassified
Oscillochloridaceae	Oscillochloris	Unclassified
FFCH7168	Unclassified	Unclassified
FFCH7168	Unclassified	Unclassified



[illegible]

[illegible]

[illegible]

[illegible]

Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Ellin6075	Unclassified	Unclassified
Ellin6075	Unclassified	Unclassified
Ellin6075	Unclassified	Unclassified
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Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
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Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Gaiellaceae	Gaiella	occulta

Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Patulibacteraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
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Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Conexibacteraceae	Unclassified	Unclassified
Patulibacteraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Solirubrobacteraceae	Solirubrobacter	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Microthrixaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
C111	Unclassified	Unclassified

Unclassified	Unclassified	Unclassified
Microbacteriaceae	Unclassified	Unclassified
Microbacteriaceae	Unclassified	Unclassified
Cellulomonadaceae	Unclassified	Unclassified
Micrococcaceae	Arthrobacter	Unclassified
Unclassified	Unclassified	Unclassified
Actinosynnemataceae	Lentzea	Unclassified
Pseudonocardiaceae	Pseudonocardia	Unclassified
Pseudonocardiaceae	Actinomycetospo	Unclassified
Micromonosporaceae	Virgisporangium	Unclassified
Micromonosporaceae	Unclassified	Unclassified
Micromonosporaceae	Micromonospora	Unclassified
Micromonosporaceae	Unclassified	Unclassified
Nocardiaceae	Rhodococcus	Unclassified
Mycobacteriaceae	Mycobacterium	Unclassified
Mycobacteriaceae	Mycobacterium	Unclassified
Mycobacteriaceae	Mycobacterium	Unclassified
Mycobacteriaceae	Mycobacterium	vaccae
Geodermatophilaceae	Modestobacter	Unclassified
Geodermatophilaceae	Modestobacter	Unclassified
Streptomycetaceae	Unclassified	Unclassified
Streptomycetaceae	Streptomyces	radiopugnans
Streptomycetaceae	Streptomyces	Unclassified
Nocardiodaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Nocardiodaceae	Unclassified	Unclassified
Nocardiodaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified

[illegible]



[illegible]

Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Opitutaceae	Opitutus	Unclassified
Verrucomicrobiaceae	Unclassified	Unclassified
Verrucomicrobiaceae	Unclassified	Unclassified
Verrucomicrobiaceae	Verrucomicrobiur	spinosum
[Chthoniobacteraceae]	Chthoniobacter	Unclassified
[Chthoniobacteraceae]	Unclassified	Unclassified
[Chthoniobacteraceae]	Unclassified	Unclassified
[Chthoniobacteraceae]	Ellin506	Unclassified
[Chthoniobacteraceae]	OR-59	Unclassified
[Chthoniobacteraceae]	Candidatus Xiphir	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
Ellin517	Unclassified	Unclassified
Ellin517	Unclassified	Unclassified
Ellin517	Unclassified	Unclassified
Ellin517	Unclassified	Unclassified
Ellin517	Unclassified	Unclassified

Ellin515	Unclassified	Unclassified
Ellin515	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
auto67_4W	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Ellin517	Unclassified	Unclassified
Nitrospiraceae	Unclassified	Unclassified
Nitrospiraceae	Nitrospira	Unclassified
Nitrospiraceae	Nitrospira	Unclassified
Nitrospiraceae	Nitrospira	Unclassified
Nitrospiraceae	Nitrospira	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
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Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
RB40	Unclassified	Unclassified
RB40	Unclassified	Unclassified
RB40	Unclassified	Unclassified
RB40	Unclassified	Unclassified
RB40	Unclassified	Unclassified
RB40	Unclassified	Unclassified
RB40	Unclassified	Unclassified
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Unclassified	Unclassified	Unclassified

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Unclassified	Unclassified	Unclassified
mb2424	Unclassified	Unclassified
mb2424	Unclassified	Unclassified
PRR-10	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
211ds20	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Oxalobacteraceae	Janthinobacterium	Unclassified
Oxalobacteraceae	Herbaspirillum	Unclassified
Alcaligenaceae	Unclassified	Unclassified
Alcaligenaceae	Unclassified	Unclassified
Alcaligenaceae	Unclassified	Unclassified
Alcaligenaceae	Pusillimonas	noertemannii
Alcaligenaceae	Unclassified	Unclassified
Alcaligenaceae	Pusillimonas	noertemannii
Alcaligenaceae	Unclassified	Unclassified
Alcaligenaceae	Pusillimonas	Unclassified
Oxalobacteraceae	Cupriavidus	Unclassified

[illegible]

Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Comamonadaceae	Polaromonas	Unclassified
Comamonadaceae	Unclassified	Unclassified
Comamonadaceae	Unclassified	Unclassified
Comamonadaceae	Unclassified	Unclassified
Comamonadaceae	Hylemonella	Unclassified
Burkholderiaceae	Burkholderia	Unclassified
Burkholderiaceae	Burkholderia	Unclassified
Burkholderiaceae	Burkholderia	Unclassified
Sinobacteraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Coxiellaceae	Unclassified	Unclassified
Coxiellaceae	Aquicella	Unclassified
Sinobacteraceae	Unclassified	Unclassified
Sinobacteraceae	Unclassified	Unclassified
Sinobacteraceae	Unclassified	Unclassified
Sinobacteraceae	Unclassified	Unclassified
Sinobacteraceae	Unclassified	Unclassified
Sinobacteraceae	Unclassified	Unclassified
Alteromonadaceae	Cellvibrio	Unclassified
Sinobacteraceae	Steroidobacter	Unclassified
Sinobacteraceae	Steroidobacter	Unclassified
Piscirickettsiaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Piscirickettsiaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Xanthomonadaceae	Unclassified	Unclassified
Xanthomonadaceae	Unclassified	Unclassified
Xanthomonadaceae	Unclassified	Unclassified
Xanthomonadaceae	Dokdonella	Unclassified
Xanthomonadaceae	Unclassified	Unclassified

[illegible]

Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Polyangiaceae	Unclassified	Unclassified
Polyangiaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Hyphomonadaceae	Unclassified	Unclassified
Hyphomonadaceae	Unclassified	Unclassified
Hyphomonadaceae	Unclassified	Unclassified
Hyphomonadaceae	Unclassified	Unclassified
Rhodobiaceae	Afifella	Unclassified
Aurantimonadaceae	Unclassified	Unclassified
Phyllobacteriaceae	Aminobacter	Unclassified
Phyllobacteriaceae	Aminobacter	Unclassified
Phyllobacteriaceae	Unclassified	Unclassified
Phyllobacteriaceae	Unclassified	Unclassified
Phyllobacteriaceae	Pseudaminobacter defluvii	
Phyllobacteriaceae	Pseudaminobacter defluvii	
Phyllobacteriaceae	Unclassified	Unclassified
Rhodobacteraceae	Rhodobacter	Unclassified
Hyphomicrobiaceae	Unclassified	Unclassified
Phyllobacteriaceae	Mesorhizobium	Unclassified
Phyllobacteriaceae	Mesorhizobium	Unclassified
Hyphomicrobiaceae	Hyphomicrobium	Unclassified
Hyphomicrobiaceae	Hyphomicrobium	Unclassified
Hyphomicrobiaceae	Devosia	Unclassified
Hyphomicrobiaceae	Devosia	Unclassified
Hyphomicrobiaceae	Devosia	Unclassified
Hyphomicrobiaceae	Devosia	Unclassified
Hyphomicrobiaceae	Devosia	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified



Hyphomicrobiaceae	Rhodoplanes	Unclassified
Bradyrhizobiaceae	Bosea	genosp.
Bradyrhizobiaceae	Bosea	genosp.
Bradyrhizobiaceae	Bosea	genosp.
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	elegans

Family	Genus	Species
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Erythrobacteraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Rhodospirillaceae	Reyranela	massiliensis
Acetobacteraceae	Unclassified	Unclassified
Acetobacteraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Clostridiaceae	Clostridium	bowmanii
Unclassified	Unclassified	Unclassified
FFCH4570	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Ellin6075	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
Gaiellaceae	Unclassified	Unclassified
EB1017	Unclassified	Unclassified
Intrasporangiaceae	Unclassified	Unclassified

Pseudonocardiaceae	Pseudonocardia	Unclassified
Geodermatophilaceae	Unclassified	Unclassified
Nocardiodaceae	Nocardioides	Unclassified
Unclassified	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified
Koribacteraceae	Unclassified	Unclassified
Solibacteraceae	Candidatus Solibacter	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
Ellin515	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
EB1003	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Piscirickettsiaceae	Unclassified	Unclassified
Piscirickettsiaceae	Unclassified	Unclassified
Xanthomonadaceae	Unclassified	Unclassified
Xanthomonadaceae	Rhodanobacter	Unclassified
Myxococcaceae	Unclassified	Unclassified
Hyphomicrobiaceae	Hyphomicrobium	Unclassified
Hyphomicrobiaceae	Unclassified	Unclassified
Hyphomicrobiaceae	Hyphomicrobium	Unclassified
Bradyrhizobiaceae	Unclassified	Unclassified

Family	Genus	Species
Hyphomicrobiaceae	Rhodoplanes	Unclassified

Bradyrhizobiaceae	Balneimonas	Unclassified
Bradyrhizobiaceae	Balneimonas	Unclassified
Bradyrhizobiaceae	Balneimonas	Unclassified
Beijerinckiaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Caulobacteraceae	Phenylobacterium	Unclassified
Sphingomonadaceae	Kaistobacter	Unclassified
Unclassified	Unclassified	Unclassified
Sphingomonadaceae	Sphingomonas	azotifigens
Sphingomonadaceae	Sphingomonas	Unclassified
Sphingomonadaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Rhodospirillaceae	Reyranella	massiliensis
Rhodospirillaceae	Skermanella	Unclassified
Rhodospirillaceae	Skermanella	Unclassified
Rhodospirillaceae	Skermanella	Unclassified
Rhodospirillaceae	Unclassified	Unclassified
Rhodospirillaceae	Unclassified	Unclassified
Rhodospirillaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Planococcaceae	Unclassified	Unclassified
Sphingobacteriaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Chitinophagaceae	Flavisolibacter	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Chitinophagaceae	Unclassified	Unclassified
Cytophagaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
A4b	Unclassified	Unclassified

Pirellulaceae	Unclassified	Unclassified
Pirellulaceae	Unclassified	Unclassified
Pirellulaceae	Unclassified	Unclassified
Isosphaeraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Ellin6075	Unclassified	Unclassified
Ellin6075	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Iamiaceae	Iamia	Unclassified
C111	Unclassified	Unclassified
Kineosporiaceae	Unclassified	Unclassified
Kineosporiaceae	Unclassified	Unclassified
Microbacteriaceae	Unclassified	Unclassified
Microbacteriaceae	Unclassified	Unclassified
Microbacteriaceae	Unclassified	Unclassified
Cellulomonadaceae	Cellulomonas	xylanilytica
Micrococcaceae	Arthrobacter	Unclassified
Pseudonocardiaceae	Pseudonocardia	Unclassified
Pseudonocardiaceae	Pseudonocardia	Unclassified
Micromonosporaceae	Couchioplanes	Unclassified
Micromonosporaceae	Actinoplanes	Unclassified
Micromonosporaceae	Unclassified	Unclassified
Micromonosporaceae	Dactylosporangiu	Unclassified
Micromonosporaceae	Catellatospora	Unclassified
Micromonosporaceae	Virgisporangium	ochraceum
Geodermatophilaceae	Geodermatophilu	Unclassified
Streptomycetaceae	Streptomyces	Unclassified
Streptosporangiaceae	Streptosporangiu	Unclassified
Unclassified	Unclassified	Unclassified

Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Verrucomicrobiaceae	Unclassified	Unclassified
[Chthoniobacteraceae]	Unclassified	Unclassified
[Chthoniobacteraceae]	Unclassified	Unclassified
[Chthoniobacteraceae]	DA101	Unclassified
Unclassified	Unclassified	Unclassified
Nitrospiraceae	Nitrospira	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
mb2424	Unclassified	Unclassified
mb2424	Unclassified	Unclassified
Oxalobacteraceae	Duganella	nigrescens
Oxalobacteraceae	Massilia	Unclassified
Oxalobacteraceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Comamonadaceae	Unclassified	Unclassified
Sinobacteraceae	Unclassified	Unclassified
Sinobacteraceae	Unclassified	Unclassified
Sinobacteraceae	Unclassified	Unclassified
Sinobacteraceae	Unclassified	Unclassified

Sinobacteraceae	Unclassified	Unclassified
Xanthomonadaceae	Thermomonas	dokdonensis
Xanthomonadaceae	Unclassified	Unclassified
Xanthomonadaceae	Pseudoxanthomo	Unclassified
Xanthomonadaceae	Arenimonas	Unclassified
Unclassified	Unclassified	Unclassified
Haliangiaceae	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Polyangiaceae	Sorangium	cellulosum
Rhizobiaceae	Unclassified	Unclassified
Rhodobiaceae	Afifella	Unclassified
Phyllobacteriaceae	Phyllobacterium	Unclassified
Phyllobacteriaceae	Mesorhizobium	Unclassified
Phyllobacteriaceae	Mesorhizobium	Unclassified
Hyphomicrobiaceae	Pedomicrobium	Unclassified
Hyphomicrobiaceae	Hyphomicrobium	Unclassified
Hyphomicrobiaceae	Hyphomicrobium	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Unclassified	Unclassified	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified
Hyphomicrobiaceae	Rhodoplanes	Unclassified