



Institute of Biodiversity Conservation
Microbial Conservation & Use Case Team



**Identified and Characterised Microbial
Species until 2011**

20 June 2012
Addis Ababa, Ethiopia

No	Identified species by 16S rRNA
	Archeae
1.	<i>Candidatus Nitrososphaera gargensis</i> (EU281335)
2.	unclassified (AF255608)
3.	unclassified <i>Thermococcus</i> (AX135459)
	Bacteria
1.	<i>Acidithiobacillus ferrooxidans</i> (AF387301)
2.	<i>Acidosphaera rubrifaciens</i> (EF029087)
3.	<i>Acinetobacter johnsonii</i> (AB099655)
4.	<i>Acrocarpospora</i> sp. (AF498707)
5.	<i>Actinobacterium</i> MSI70 (EU1992340)
6.	<i>Actinobacterium</i> WJ25 (AY495954)
7.	<i>Actinoplanes globisporus</i> (AB037003)
8.	<i>Actinosingapura polymorpha</i> (AF237815)
9.	<i>Aerothermobacter marianas</i> (AB011495)
10.	<i>Anaeromyxobacter</i> sp. (CP000769)
11.	<i>Arthrobacter atrocyaneus</i> (AY605543)
12.	<i>Azospira restricta</i> (DQ974114)
13.	<i>Azospirillum</i> sp. (AB114191)
14.	<i>Bacillus</i> sp. (AY557616)
15.	<i>Bacteriovorax</i> sp. (AY294220)
16.	<i>Bosea</i> sp. (AJ968693)
17.	<i>Candidatus Nitrospira bockiana</i> (EU084879)
18.	<i>Cellvibrio fibrivorans</i> (AB332414)
19.	<i>Cupriavidus necator</i> (AM260480)
20.	<i>Desulfacinum</i> sp. (AF170418)
21.	<i>Ferrimicrobium acidiphilum</i> (AF251436, AY673309)

22.	<i>Flexibacter filiformis</i> (AB078049)
23.	<i>Flexibacter sancti</i> (AB078068)
24.	<i>Flexibacter tractuosus</i> (AB078072)
25.	<i>Frankia</i> sp. (CP000820)
26.	<i>Geothrix fermentans</i> (U41563)
27.	<i>Glaciecola</i> sp. (DQ659447)
28.	<i>Haemophilus parainfluenzae</i> (EU083530)
29.	<i>Haliangium tepidum</i> (AB062751)
30.	<i>Kaistobacter terrae</i> (AB258386)
31.	<i>Kibdelosporangium aridum</i> (AJ311174)
32.	<i>Leptolyngbya</i> sp. (DQ786166)
33.	<i>Limnobacter</i> sp. (EF540452)
34.	<i>Longilinea arvoryzae</i> (AB243673)
35.	<i>Lysobacter taiwanensis</i> (DQ323664)
36.	<i>Mesorhizobium</i> sp. (CP000390)
37.	<i>Methylobacterium</i> sp. (DQ838528)
38.	<i>Microbacterium</i> sp. (AY547556)
39.	<i>Mycobacterium</i> sp. (DQ083240)
40.	<i>Nocardioides</i> sp. (EF623863)
41.	<i>Paracoccus</i> sp. (AM084041)
42.	<i>Parvularcula</i> sp. (EU346850)
43.	<i>Phenylobacterium lituiforme</i> (AY534887)
44.	<i>Phenylobacterium</i> sp. (AM411917)
45.	<i>Pleurocapsa</i> sp. (DQ293994, DQ658927)
46.	<i>Prevotella melaninogenica</i> (AY323525)
47.	<i>Propionibacterium acnes</i> (AE017283)
48.	<i>Pseudomonas putida</i> (CP000926)
49.	<i>Pseudomonas</i> sp. (EF198249)

50.	<i>Pseudonocardia</i> sp. (DQ448727, EU274355)
51.	<i>Rhodoplanes elegans</i> (AF487437)
52.	<i>Rhodothermus marinus</i> (X80994)
53.	<i>Roseiflexus castenholzii</i> (CP000804)
54.	<i>Ruminococcus flavefaciens</i> (CC820600)
55.	<i>Shewanella amazonensis</i> (CP000507)
56.	<i>Shewanella putrefaciens</i> (CP000503)
57.	<i>Sphaerobacter thermophilus</i> (AJ420142)
58.	<i>Sphingobacterium</i> sp. (AM411962, AM41196)
59.	<i>Staphylococcus epidermidis</i> (CP000029, AL449923)
60.	<i>Tepidanaerobacter syntrophicus</i> (AB106354)
61.	<i>Thermaerobacter</i> sp. (AF391972, AY094621, AF343566)
62.	<i>Thermaerobacter subterraneus</i> (AF343566, AY960767)
63.	<i>Thermobaculum terrenum</i> gen. nov., sp. Nov. (AF391972, AF498707, AF343566)
64.	<i>Thermoleophilum album</i> (AJ458463)
65.	<i>Trichodesmium erythraeum</i> (CP000393)
66.	unclassified <i>Leptolinea</i> (AB109438)
67.	unclassified (AM749787, X68467, AY765999, AY234624)
68.	unclassified (AB245338, AF498719, AY234767, AM749787, X68467, AY234726, AY234624, AM74978)
69.	unclassified (AB245375, AJ242834)
70.	unclassified (AB246770)
71.	unclassified (AF498696)
72.	unclassified (AJ244807, D86512)
73.	unclassified (AM180163)
74.	unclassified (AY234519)
75.	unclassified (AY234571, AY673312)
76.	unclassified (AY234707)

77.	unclassified (AY960767, EU370951)
78.	unclassified (EF636199, EF636191)
79.	unclassified (X68456, AY673309)
80.	unclassified <i>Desulfosalina</i> (DQ067422)
81.	unclassified <i>Ktedonobacter</i> (AM180158)
82.	<i>Xanthomonas</i> sp. (AF139997)
Identified Bacteria by BiOLOG	
Bacteria	
1.	<i>Achromobacter cholinophagum</i>
2.	<i>Acidovorax delafieldi</i>
3.	<i>Acinetobacter baumannii/ geospecies</i>
4.	<i>Acinetobacter geospecies 14</i>
5.	<i>Actinobacillus salphingitidis</i>
6.	<i>Aeromonas encheleia</i>
7.	<i>Arcanobacterium bernardiae</i> (CDC. 2)
8.	<i>Bacillus anthracis</i> subgroup A
9.	<i>Bacillus anthracis</i> subgroup C
10.	<i>Bacillus anthracis</i> subgroup D
11.	<i>Bacillus cereus/thuringiensis</i> A
12.	<i>Bacillus cereus/thuringiensis</i> B
13.	<i>Bacillus cereus/thuringiensis</i> C
14.	<i>Bacillus fastidious</i>
15.	<i>Bacillus megaterium</i> A
16.	<i>Bacillus mycoides</i>
17.	<i>Bacteriodes thetaiotaomicron</i>
18.	<i>Brevibacterium otitidis</i>
19.	<i>Brevundimonas vesicularis</i>

20.	<i>Burkholderia cepacia</i>
21.	<i>Burkholderia gladioli</i>
22.	<i>Burkholderia glathei</i>
23.	<i>Burkholderia glumae</i>
24.	<i>Butyrivibrio fibrisolvens</i>
25.	<i>Campylobacter coli</i>
26.	<i>Campylobacter jejuni</i>
27.	<i>Catonella morbi</i>
28.	CDC group EF- 4 (<i>Nesseria</i>)
29.	<i>Cellulomonas flavigena</i>
30.	<i>Cellulosimicrobium cellulans</i>
31.	<i>Chryseobacterium indoltheticum</i>
32.	<i>Citrobacter</i> sp.
33.	<i>Clavibacter agropyri</i>
34.	<i>Clostridium aminovalericum</i>
35.	<i>Clostridium/Eubacterium</i> species
36.	<i>Comamonas testosteroni</i>
37.	<i>Corynebacterium afermentans</i> ss <i>afermenta</i>
38.	<i>Corynebacterium jeikeium</i>
39.	<i>Corynebacterium lipophiloflavum</i>
40.	<i>Corynebacterium mastitidis</i>
41.	<i>Corynebacterium nitrilophilus</i>
42.	<i>Corynebacterium urealyticum</i>
43.	<i>Cytophaga fermentans</i>
44.	<i>Deinococcus radiopugnans</i>
45.	<i>E. coli</i>
46.	<i>E. coli</i> (USP5-7085)
47.	<i>E. coli</i> non-toxigenic

48.	<i>E. coli</i> O26:H11
49.	<i>E. coli</i> O48:H21
50.	<i>E. coli</i> O111: H- or O111:H8
51.	<i>E. coil</i> O157:H7
52.	<i>E. coli</i> O157:H7 glucuronidase positive
53.	<i>Enterobacter asburiae</i>
54.	<i>Enterobacter cloacae</i>
55.	<i>Enterobacter gergoviae</i>
56.	<i>Enterobacter intermedius</i>
57.	<i>Enterobacter nimipressuralis</i>
58.	<i>Enterococcus avium</i>
59.	<i>Enterococcus gallinarum</i>
60.	<i>Escherichia vulneris</i>
61.	<i>Flavimonas oryzihabitans</i>
62.	<i>Flavobacterium ferrugineum</i>
63.	<i>Fusobacterium necrogenes</i>
64.	<i>Gordonia rubropertinctus</i>
65.	<i>Gordonia sputi</i>
66.	<i>Hydrogenophaga taeniospiralis</i>
67.	<i>Klebsiella</i> sp.
68.	<i>Kocuria kristinae</i>
69.	<i>Leifsonia aquatica</i>
70.	<i>Leuconostoc citreum</i>
71.	<i>Leuconostoc gelidum</i>
72.	<i>Leuconostoc lactis</i>
73.	<i>Megaspaera elsdenii</i>
74.	<i>Microbacterium terregens</i>
75.	<i>Micrococcus luteus</i> (ATCC 9341)

76.	<i>Paenibacillus validus</i>
77.	<i>Pantoea dispersa</i>
78.	<i>Pasteurella aerogenes</i>
79.	<i>Pediococcus pentosaceus</i>
80.	<i>Pedobacter heparinus</i>
81.	<i>Propionibacterium acidipropionici</i>
82.	<i>Pseudomonas fluorescens biotype A</i>
83.	<i>Pseudomonas fluorescens biotype G</i>
84.	<i>Pseudomonas mephitica</i>
85.	<i>Pseudomonas syringae pv persicae</i>
86.	<i>Pseudomonas syringae pv syringae</i>
87.	<i>Pseudomonas syringae pv zizaniae</i>
88.	<i>Pseudomonas viridilivida</i>
89.	<i>Pseudomonas spinosa (Burkholderia)</i>
90.	<i>Ralstonia paucula</i>
91.	<i>Rhizobium radiobacter</i>
92.	<i>Rhizobium rhizogenes</i>
93.	<i>Rhizobium vitis (bv 3)</i>
94.	<i>Rhodococcus australis</i>
95.	<i>Rhodococcus coprophilus</i>
96.	<i>Rhodococcus rhodochrous</i>
97.	<i>Salmonella arizonae</i>
98.	<i>Salmonella cholerae suis</i>
99.	<i>Salmonella gp 3B (diarizonae)</i>
100.	<i>Shingomonas macrogoltabidus</i>
101.	<i>Shingomonas yanoikuyae</i>
102.	<i>Shingomonas yanoikuyae</i>
103.	<i>Sphingobacterium spiritovorum</i>

104	<i>Sphingomonas macrogoltabidus</i>
105	<i>Sphingomonas sanguinis</i>
106	<i>Staphylococcus sciuri</i>
107	<i>Staphylococcus xylosus</i>
108	<i>Succinivibrio dextrinosolvens</i>
109	<i>Tritirachium oryzae</i> (Vincens) de Hoog
110	<i>Tsukamurella inchonensis</i>
111	<i>Vibrio alginolyticus</i>
112	<i>Vibrio carcariae</i>
113	<i>Vibrio fluvialis</i>
114	<i>Vibrio parahaemolyticus</i>
115	<i>Vibrio proteolyticus</i>
116	<i>Vibrio tubiashii</i>
117	<i>Xanthomonas campestris</i> pv <i>dieffenbachiae</i>
118	<i>Zymophilus paucivorans/raffinivorans</i>
	Fungi/Yeast
1.	<i>Arthrinium phaeospermum</i> (Corda) M.B. Ellis
2.	<i>Aspergillus carneus</i> (v. Tiegham) Blockwitz
3.	<i>Aspergillus restrictus</i> G.Sm
4.	<i>Aspergillus versicolor</i>
5.	<i>Bulleromyces aibus</i>
6.	<i>Candida edax</i>
7.	<i>Candida maritima</i>
8.	<i>Candida zeylanoides</i>
9.	<i>Cladosporium herbarum</i> (Pers.) Link BGB
10.	<i>Cladosporium tenuissimum</i> Cooke
11.	<i>Cryptococcus laurentii</i>
12.	<i>Cryptococcus luteolus</i>

13.	<i>Curvularia lunata</i> var. <i>lunata</i> (Wakker) Boedijn BGA
14.	<i>Debaryomyces hansenii</i> C
15.	<i>Emericella nidulans</i> var. <i>nidulans</i> (Eidam) Vuillemin
16.	<i>Eurotium herbariorum</i> (Wiggers:Fr.) Link
17.	<i>Eurotium rubrum</i> Konig et al.
18.	<i>Fusarium oxysporum</i> Schlecht.:Fr. BGB
19.	<i>Geotrichum terrestre</i>
20.	<i>Gliocladium viride</i> Matruchot
21.	<i>Issatchenkia scutulata</i> var <i>exigua</i>
22.	<i>Mucor plumbeus</i> Bonord
23.	<i>Neurospora crassa</i> Schear and Dodge
24.	<i>Paecilomyces marquandii</i> (Masse) S. Hughes
25.	<i>Penicillium brevicompactum</i> Dierckx BGC
26.	<i>Penicillium solitum</i> Westling BGC
27.	<i>Scopulariopsis candida</i> (Gueguen) Vuill.
28.	<i>Trichosporon beigelii</i>
29.	<i>Windea robertsiae</i>
30.	<i>Zygoascus hellenicus</i>