

# Microbial Community Dynamics During Biodegradation of Crude Oil and Its Response to Biostimulation in Svalbard Seawater at Low Temperature

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## Supplementary 1

The list of bacterial genera (A) and archaeal genera (B) containing oil hydrocarbon-degrading organisms (in alphabetical order) based on literature (at the date of 20.10.2021).

Genus	Class	Phylum	Reference
<b>A</b>			
Abyssivirga/Vallitalea <sup>1</sup>	Clostridia	Firmicutes	[1]
Achromobacter	Betaproteobacteria	Proteobacteria	[2]
Acidocella	Alphaproteobacteria	Proteobacteria	[3]
Acidovorax	Betaproteobacteria	Proteobacteria	[4]
Acinetobacter	Gammaproteobacteria	Proteobacteria	[5; 6; 7]
Actinomyces	Actinomycetia	Actinobacteria	[8]
Actinoplanes	Actinomycetia	Actinobacteria	[8]
Actinopolyspora	Actinomycetia	Actinobacteria	[9]
Advenella	Betaproteobacteria	Proteobacteria	[10]
Aequorivita	Flavobacteriia	Bacteroidetes	[11]
Aeribacillus	Bacilli	Firmicutes	[2]
Aeromicrobium	Actinomycetia	Actinobacteria	[7]
Aeromonas	Gammaproteobacteria	Proteobacteria	[12]
Aestuariibacter	Gammaproteobacteria	Proteobacteria	[13]
Aestuariicella	Gammaproteobacteria	Proteobacteria	[14]
Afipia	Alphaproteobacteria	Proteobacteria	[15]
Agrobacterium	Alphaproteobacteria	Proteobacteria	[16]
Agrococcus	Actinomycetia	Actinobacteria	[7]
Alcaligenes	Betaproteobacteria	Proteobacteria	[17]
Alcanivorax	Gammaproteobacteria	Proteobacteria	[2; 13; 18; 19; 20; 21]
Algiphilus	Gammaproteobacteria	Proteobacteria	[21]
Algoriphagus	Cytophagia	Bacteroidetes	[13]
Alicyclophilus	Betaproteobacteria	Proteobacteria	[22]
Alicyclobacillus	Bacilli	Firmicutes	[23]
Aliiglaciecola	Gammaproteobacteria	Proteobacteria	[24]
Alkanibacter	Gammaproteobacteria	Proteobacteria	[25]
Alkanindiges	Gammaproteobacteria	Proteobacteria	[7]
Altererythrobacter	Alphaproteobacteria	Proteobacteria	[26]
Alteromonas	Gammaproteobacteria	Proteobacteria	[2]
Amphritea	Gammaproteobacteria	Proteobacteria	[27]
Amycolatopsis	Actinomycetia	Actinobacteria	[28]

Genus	Class	Phylum	Reference
Anabaena		Cyanobacteria	[29]
Aneurinibacillus	Bacilli	Firmicutes	[30]
Anoxybacillus	Bacilli	Firmicutes	[31]
Aphanocapsa		Cyanobacteria	[32]
Aphanothece/Coccochloris		Cyanobacteria	[33]
Aquamicrobium	Alphaproteobacteria	Proteobacteria	[34]
Arenibacter	Flavobacteriia	Bacteroidetes	[35]
Aromatoleum	Betaproteobacteria	Proteobacteria	[36]
Arthrobacter	Actinomycetia	Actinobacteria	[7; 37; 38]
Azoarcus	Betaproteobacteria	Proteobacteria	[36]
Azospirillum	Alphaproteobacteria	Proteobacteria	[7]
Azotobacter	Gammaproteobacteria	Proteobacteria	[39]
Bacillus	Bacilli	Firmicutes	[2; 40; 41; 42]
Beijerinckia	Alphaproteobacteria	Proteobacteria	[43]
Bergeyella	Flavobacteriia	Bacteroidetes	[35]
Bermanella	Gammaproteobacteria	Proteobacteria	[44; 45]
Bizionia	Flavobacteriia	Bacteroidetes	[46]
Blastochloris	Alphaproteobacteria	Proteobacteria	[47]
Blastococcus	Actinomycetia	Actinobacteria	[7]
Bordetella	Betaproteobacteria	Proteobacteria	[48]
Bosea	Alphaproteobacteria	Proteobacteria	[38]
Brachybacterium	Actinomycetia	Actinobacteria	[49]
Brachymonas	Betaproteobacteria	Proteobacteria	[50]
Bradyrhizobium	Alphaproteobacteria	Proteobacteria	[38]
Brevibacillus	Bacilli	Firmicutes	[51]
Brevibacterium	Actinomycetia	Actinobacteria	[52]
Brevundimonas	Alphaproteobacteria	Proteobacteria	[53]
Burkholderia	Betaproteobacteria	Proteobacteria	[6; 38]
Campylobacter	Epsilonproteobacteria	Proteobacteria	[42]
Carboxylicivirga	Bacteroidia	Bacteroidetes	[35]
Castellaniella	Betaproteobacteria	Proteobacteria	[54]
Caulobacter	Alphaproteobacteria	Proteobacteria	[23]
Celeribacter	Alphaproteobacteria	Proteobacteria	[13]
Cellulomonas	Actinomycetia	Actinobacteria	[7]
Cellulosimicrobium	Actinomycetia	Actinobacteria	[16]
Chelatococcus	Alphaproteobacteria	Proteobacteria	[55]
Chromobacterium	Betaproteobacteria	Proteobacteria	[17]
Chromohalobacter	Gammaproteobacteria	Proteobacteria	[56]
Chryseobacterium	Flavobacteriia	Bacteroidetes	[35; 57]
Citricella	Alphaproteobacteria	Proteobacteria	[13]
Citricoccus	Actinomycetia	Actinobacteria	[7]
Citrobacter	Gammaproteobacteria	Proteobacteria	[2]
Clavibacter	Actinomycetia	Actinobacteria	[3]

Genus	Class	Phylum	Reference
Cloacibacterium	Flavobacteriia	Bacteroidetes	[58]
Cobetia	Gammaproteobacteria	Proteobacteria	[59]
Colwellia	Gammaproteobacteria	Proteobacteria	[60]
Comamonas	Betaproteobacteria	Proteobacteria	[4]
Confluentimicrobium	Alphaproteobacteria	Proteobacteria	[61]
Corynebacterium	Actinomycetia	Actinobacteria	[6; 52]
Croceibacter	Flavobacteriia	Bacteroidetes	[62]
Croceicoccus	Alphaproteobacteria	Proteobacteria	[63]
Cryobacterium	Actinomycetia	Actinobacteria	[64]
Cupriavidus	Betaproteobacteria	Proteobacteria	[65]
Cycloclasticus	Gammaproteobacteria	Proteobacteria	[2; 17; 21; 66]
Cytophaga	Cytophagia	Bacteroidetes	[67]
Dactylococcopsis		Cyanobacteria	[33]
Dechloromonas	Betaproteobacteria	Proteobacteria	[68]
Defluviimonas	Alphaproteobacteria	Proteobacteria	[69]
Delftia	Betaproteobacteria	Proteobacteria	[70]
Desulfatibacillum/Desulfobacillum	Deltaproteobacteria	Proteobacteria	[36]
Desulfatiferula	Deltaproteobacteria	Proteobacteria	[71]
Desulfatitalea	Deltaproteobacteria	Proteobacteria	[72]
Desulfitobacterium	Clostridia	Firmicutes	[73]
Desulfobacterium	Deltaproteobacteria	Proteobacteria	[36]
Desulfobacula	Deltaproteobacteria	Proteobacteria	[36]
Desulfococcus	Deltaproteobacteria	Proteobacteria	[17]
Desulfoglaeba	Deltaproteobacteria	Proteobacteria	[36]
Desulfosarcina	Deltaproteobacteria	Proteobacteria	[36]
Desulfosporosinus	Clostridia	Firmicutes	[36]
Desulfothermus	Deltaproteobacteria	Proteobacteria	[74]
Desulfotignum	Deltaproteobacteria	Proteobacteria	[36]
Desulfotomaculum	Clostridia	Firmicutes	[36]
Desulfovibrio	Deltaproteobacteria	Proteobacteria	[75]
Devosia	Alphaproteobacteria	Proteobacteria	[38]
Diaphorobacter	Betaproteobacteria	Proteobacteria	[76]
Dietzia	Actinomycetia	Actinobacteria	[2; 7; 8]
Dokdonella	Gammaproteobacteria	Proteobacteria	[77]
Dyadobacter	Cytophagia	Bacteroidetes	[42]
Dyella	Gammaproteobacteria	Proteobacteria	[78]
Echinicola	Cytophagia	Bacteroidetes	[35]
Edwardsiella	Gammaproteobacteria	Proteobacteria	[79]
Ensifer	Alphaproteobacteria	Proteobacteria	[80]
Enterobacter	Gammaproteobacteria	Proteobacteria	[2; 37]
Enterococcus	Bacilli	Firmicutes	[41; 81]
Eremococcus	Bacilli	Firmicutes	[37]
Erwinia	Gammaproteobacteria	Proteobacteria	[82]

Genus	Class	Phylum	Reference
Erythrobacter/Lutibacterium	Alphaproteobacteria	Proteobacteria	[83]
Escherichia	Gammaproteobacteria	Proteobacteria	[57]
Exiguobacterium	Bacilli	Firmicutes	[84]
Fabibacter	Cytophagia	Bacteroidetes	[13]
Fictibacillus	Bacilli	Firmicutes	[85]
Flavobacterium	Flavobacteriia	Bacteroidetes	[41]
Franconibacter	Gammaproteobacteria	Proteobacteria	[86]
Frankia	Actinomycetia	Actinobacteria	[38]
Fusobacterium	Fusobacteriia	Fusobacteria	[87]
Gallaecimonas	Gammaproteobacteria	Proteobacteria	[88]
Garciella	Clostridia	Firmicutes	[89]
Gemmobacter/Catellibacterium	Alphaproteobacteria	Proteobacteria	[26]
Geobacillus	Bacilli	Firmicutes	[2]
Geobacter	Deltaproteobacteria	Proteobacteria	[68]
Georgenia	Actinomycetia	Actinobacteria	[7]
Georgfuchsia	Betaproteobacteria	Proteobacteria	[90]
Gillisia	Flavobacteriia	Bacteroidetes	[46]
Glaciecola	Gammaproteobacteria	Proteobacteria	[91]
Gordonia	Actinomycetia	Actinobacteria	[2; 7; 8]
Granulosicoccus	Gammaproteobacteria	Proteobacteria	[66]
Haemophilus	Gammaproteobacteria	Proteobacteria	[92]
Halioxenophilus	Gammaproteobacteria	Proteobacteria	[93]
Halomonas	Gammaproteobacteria	Proteobacteria	[59]
Halothece		Cyanobacteria	[33]
Herbaspirillum	Betaproteobacteria	Proteobacteria	[94]
Herbiconiux	Actinomycetia	Actinobacteria	[95]
Herminiimonas	Betaproteobacteria	Proteobacteria	[96]
Hoeflea	Alphaproteobacteria	Proteobacteria	[97]
Hoyosella/Amycolalicoccus	Actinomycetia	Actinobacteria	[98]
Hydrocarboniphaga	Gammaproteobacteria	Proteobacteria	[99]
Hydrogenophaga	Betaproteobacteria	Proteobacteria	[100]
Hyphomicrobium	Alphaproteobacteria	Proteobacteria	[101]
Hyphomonas	Alphaproteobacteria	Proteobacteria	[102]
Idiomarina	Gammaproteobacteria	Proteobacteria	[103]
Immundisolibacter	Gammaproteobacteria	Proteobacteria	[104]
Isoptericola	Actinomycetia	Actinobacteria	[105]
Janibacter	Actinomycetia	Actinobacteria	[106]
Jannaschia	Alphaproteobacteria	Proteobacteria	[26]
Janthinobacterium	Betaproteobacteria	Proteobacteria	[15]
Kaistia	Alphaproteobacteria	Proteobacteria	[107]
Ketobacter	Gammaproteobacteria	Proteobacteria	[108]
Klebsiella	Gammaproteobacteria	Proteobacteria	[12]
Kocuria	Actinomycetia	Actinobacteria	[7]

Genus	Class	Phylum	Reference
Kordia	Flavobacteriia	Bacteroidetes	[109]
Kordiimonas	Alphaproteobacteria	Proteobacteria	[110]
Krasilnikovella	Actinomycetia	Actinobacteria	[7]
Kurthia	Bacilli	Firmicutes	[111]
Kytococcus	Actinomycetia	Actinobacteria	[112]
Labrenzia	Alphaproteobacteria	Proteobacteria	[103]
Lactobacillus	Bacilli	Firmicutes	[113]
Leclercia	Gammaproteobacteria	Proteobacteria	[114]
Legionella	Gammaproteobacteria	Proteobacteria	[115]
Leifsonia	Actinomycetia	Actinobacteria	[51]
Leptothrix	Betaproteobacteria	Proteobacteria	[15]
Leucothrix	Gammaproteobacteria	Proteobacteria	[113]
Loktanella	Alphaproteobacteria	Proteobacteria	[26]
Luteibacter	Gammaproteobacteria	Proteobacteria	[116]
Luteimonas	Gammaproteobacteria	Proteobacteria	[117]
Lysinibacillus	Bacilli	Firmicutes	[2]
Lysobacter	Gammaproteobacteria	Proteobacteria	[118]
Magnetospirillum	Alphaproteobacteria	Proteobacteria	[36]
Maribacter	Flavobacteriia	Bacteroidetes	[62]
Maribius	Alphaproteobacteria	Proteobacteria	[46]
Maricaulis	Alphaproteobacteria	Proteobacteria	[119; 120]
Marinobacter	Gammaproteobacteria	Proteobacteria	[13; 21; 66]
Marinobacterium	Gammaproteobacteria	Proteobacteria	[121]
Marinomonas	Gammaproteobacteria	Proteobacteria	[17]
Marinosulfonomonas	Alphaproteobacteria	Proteobacteria	[122]
Maritimibacter	Alphaproteobacteria	Proteobacteria	[123]
Martella	Alphaproteobacteria	Proteobacteria	[124]
Massilia	Betaproteobacteria	Proteobacteria	[15]
Merismopedia/Agmenellum		Cyanobacteria	[125]
Mesoflavibacter	Flavobacteriia	Bacteroidetes	[35]
Mesorhizobium	Alphaproteobacteria	Proteobacteria	[38]
Methylibium	Betaproteobacteria	Proteobacteria	[126]
Methylobacterium	Alphaproteobacteria	Proteobacteria	[38]
Methyloversatilis	Betaproteobacteria	Proteobacteria	[127]
Microbacterium	Actinomycetia	Actinobacteria	[6; 7]
Microbulbifer	Gammaproteobacteria	Proteobacteria	[103]
Micrococcus	Actinomycetia	Actinobacteria	[7; 40; 42]
Microcoleus		Cyanobacteria	[8]
Micromonospora	Actinomycetia	Actinobacteria	[7; 8]
Microvirga	Alphaproteobacteria	Proteobacteria	[128]
Moraxella	Gammaproteobacteria	Proteobacteria	[129]
Mycobacterium	Actinomycetia	Actinobacteria	[2; 17]
Myroides	Flavobacteriia	Bacteroidetes	[35]

Genus	Class	Phylum	Reference
N47	Deltaproteobacteria	Proteobacteria	[130]
Neptuniibacter	Gammaproteobacteria	Proteobacteria	[131]
Neptunomonas	Gammaproteobacteria	Proteobacteria	[21]
Nesiotobacter	Alphaproteobacteria	Proteobacteria	[16]
Nevskia	Gammaproteobacteria	Proteobacteria	[132]
Nitratireductor	Alphaproteobacteria	Proteobacteria	[16]
Nitrobacter	Alphaproteobacteria	Proteobacteria	[38]
Nocardia	Actinomycetia	Actinobacteria	[8]
Nocardioides	Actinomycetia	Actinobacteria	[7]
Nocardiopsis	Actinomycetia	Actinobacteria	[133]
Nostoc		Cyanobacteria	[134]
Novosphingobium	Alphaproteobacteria	Proteobacteria	[2; 13; 38]
Oceanibaculum	Alphaproteobacteria	Proteobacteria	[135]
Oceanicola	Alphaproteobacteria	Proteobacteria	[136; 137]
Oceanisphaera	Gammaproteobacteria	Proteobacteria	[138]
Oceanobacillus	Bacilli	Firmicutes	[105]
Ochrobactrum	Alphaproteobacteria	Proteobacteria	[2]
Oleigrimonas	Gammaproteobacteria	Proteobacteria	[139]
Oleibacter	Gammaproteobacteria	Proteobacteria	[140]
Oleiphilus	Gammaproteobacteria	Proteobacteria	[21]
Oleispira	Gammaproteobacteria	Proteobacteria	[2; 21; 46; 66; 141]
Oleomonas	Alphaproteobacteria	Proteobacteria	[142]
Oligotropha	Alphaproteobacteria	Proteobacteria	[143]
Olivibacter	Sphingobacteriia	Bacteroidetes	[35]
Olleya	Flavobacteriia	Bacteroidetes	[35]
Oscillatoria		Cyanobacteria	[29]
Paenibacillus	Bacilli	Firmicutes	[4]
Pandoraea	Betaproteobacteria	Proteobacteria	[2]
Pantoea	Gammaproteobacteria	Proteobacteria	[144]
Paraburkholderia	Betaproteobacteria	Proteobacteria	[145]
Paracoccus	Alphaproteobacteria	Proteobacteria	[146]
Paraglaciicola	Gammaproteobacteria	Proteobacteria	[147]
Parapedobacter	Sphingobacteriia	Bacteroidetes	[35]
Paraperlucidibaca	Gammaproteobacteria	Proteobacteria	[27]
Parvibaculum	Alphaproteobacteria	Proteobacteria	[148]
Pasteurella	Gammaproteobacteria	Proteobacteria	[149]
Pedobacter	Sphingobacteriia	Bacteroidetes	[35; 150]
Pelagibaca	Alphaproteobacteria	Proteobacteria	[13]
Pelobacter	Deltaproteobacteria	Proteobacteria	[151]
Peptococcus	Clostridia	Firmicutes	[113]
Perlucidibaca	Gammaproteobacteria	Proteobacteria	[152]
Phenylobacterium	Alphaproteobacteria	Proteobacteria	[38]
Phormidium		Cyanobacteria	[153]

Genus	Class	Phylum	Reference
Planococcus	Bacilli	Firmicutes	[154]
Planomicrobium	Bacilli	Firmicutes	[155]
Plantibacter	Actinomycetia	Actinobacteria	[64]
Plectonema		Cyanobacteria	[32]
Polaribacter	Flavobacteriia	Bacteroidetes	[13]
Polaromonas	Betaproteobacteria	Proteobacteria	[156]
Polycyclovorans	Gammaproteobacteria	Proteobacteria	[21]
Polymorphum	Alphaproteobacteria	Proteobacteria	[157]
Porphyrobacter	Alphaproteobacteria	Proteobacteria	[158]
Porticoccus	Gammaproteobacteria	Proteobacteria	[21]
Prauserella	Actinomycetia	Actinobacteria	[159]
Profundimonas	Gammaproteobacteria	Proteobacteria	[160]
Proteus	Gammaproteobacteria	Proteobacteria	[12]
Pseudidiomarina	Gammaproteobacteria	Proteobacteria	[103]
Pseudoalteromonas	Gammaproteobacteria	Proteobacteria	[13; 17; 59; 66]
Pseudomonas	Gammaproteobacteria	Proteobacteria	[2; 7; 37; 42; 66]
Pseudonocardia	Actinomycetia	Actinobacteria	[7; 38]
Pseudoxanthomonas	Gammaproteobacteria	Proteobacteria	[161]
Psychrobacter	Gammaproteobacteria	Proteobacteria	[66; 162]
Pusillimonas	Betaproteobacteria	Proteobacteria	[163]
Rahnella	Gammaproteobacteria	Proteobacteria	[164]
Ralstonia	Betaproteobacteria	Proteobacteria	[165]
Ramlibacter	Betaproteobacteria	Proteobacteria	[166]
Rhizobium	Alphaproteobacteria	Proteobacteria	[15]
Rhodanobacter	Gammaproteobacteria	Proteobacteria	[167]
Rhodobacter	Alphaproteobacteria	Proteobacteria	[168]
Rhodococcus	Actinomycetia	Actinobacteria	[2; 8; 13; 66]
Rhodoferax	Betaproteobacteria	Proteobacteria	[169]
Rhodovulum	Alphaproteobacteria	Proteobacteria	[170]
Robiginitomaculum	Alphaproteobacteria	Proteobacteria	[46]
Roseivirga	Cytophagia	Bacteroidetes	[13]
Roseivivax	Alphaproteobacteria	Proteobacteria	[26]
Roseobacter	Alphaproteobacteria	Proteobacteria	[171]
Roseomonas	Alphaproteobacteria	Proteobacteria	[7]
Roseovarius	Alphaproteobacteria	Proteobacteria	[172]
Ruegeria	Alphaproteobacteria	Proteobacteria	[40]
Rugosibacter	Betaproteobacteria	Proteobacteria	[173]
Saccharothrix	Actinomycetia	Actinobacteria	[174]
Salinicola	Gammaproteobacteria	Proteobacteria	[175]
Salinisphaera	Gammaproteobacteria	Proteobacteria	[176]
Salinivibrio	Gammaproteobacteria	Proteobacteria	[56]
Salipiger	Alphaproteobacteria	Proteobacteria	[26]
Sanguibacter	Actinomycetia	Actinobacteria	[64]

Genus	Class	Phylum	Reference
Sarcina	Clostridia	Firmicutes	[17]
Serratia	Gammaproteobacteria	Proteobacteria	[17]
Shewanella	Gammaproteobacteria	Proteobacteria	[66]
Shinella	Alphaproteobacteria	Proteobacteria	[143]
Sinorhizobium	Alphaproteobacteria	Proteobacteria	[15]
Smaragdicoccus	Actinomycetia	Actinobacteria	[177]
Smithella	Deltaproteobacteria	Proteobacteria	[36]
Sneathiella	Alphaproteobacteria	Proteobacteria	[91]
Solimonas/Singularimonas	Gammaproteobacteria	Proteobacteria	[176]
Sphaerotilus	Betaproteobacteria	Proteobacteria	[178]
Sphingobacterium	Sphingobacteriia	Bacteroidetes	[41]
Sphingobium	Alphaproteobacteria	Proteobacteria	[2]
Sphingomonas	Alphaproteobacteria	Proteobacteria	[2; 37; 38]
Sphingopyxis	Alphaproteobacteria	Proteobacteria	[179]
Sphingorhabdus	Alphaproteobacteria	Proteobacteria	[180]
Spirillum	Betaproteobacteria	Proteobacteria	[67]
Spongiibacter	Gammaproteobacteria	Proteobacteria	[46]
Staphylococcus	Bacilli	Firmicutes	[2]
Stappia	Alphaproteobacteria	Proteobacteria	[105]
Stenotrophomonas	Gammaproteobacteria	Proteobacteria	[52]
Streptobacillus	Fusobacteriia	Fusobacteria	[2]
Streptococcus	Bacilli	Firmicutes	[40]
Streptomonospora	Actinomycetia	Actinobacteria	[181]
Streptomyces	Actinomycetia	Actinobacteria	[7; 8]
Streptosporangium	Actinomycetia	Actinobacteria	[8]
Sulfitobacter	Alphaproteobacteria	Proteobacteria	[40]
Tenacibaculum	Flavobacteriia	Bacteroidetes	[13]
Terrabacter	Actinomycetia	Actinobacteria	[182]
Terrimonas	Chitinophagia	Bacteroidetes	[183]
Thalassobius	Alphaproteobacteria	Proteobacteria	[184]
Thalassolituus	Gammaproteobacteria	Proteobacteria	[21; 185]
Thalassospira	Alphaproteobacteria	Proteobacteria	[21; 46]
Thauera	Betaproteobacteria	Proteobacteria	[36]
Thermoleophilum	Thermoleuphilia	Actinobacteria	[186]
Thermus	Deinococci	Deinococcus- Thermus	[187]
Thiobacillus	Betaproteobacteria	Proteobacteria	[15]
Thioclava	Alphaproteobacteria	Proteobacteria	[13]
Tistrella	Alphaproteobacteria	Proteobacteria	[176]
Trabulsiella	Gammaproteobacteria	Proteobacteria	[188]
Tranquillimonas	Alphaproteobacteria	Proteobacteria	[83]
Tropicibacter	Alphaproteobacteria	Proteobacteria	[17]
Tropicimonas	Alphaproteobacteria	Proteobacteria	[189]
Tsukamurella	Actinomycetia	Actinobacteria	[190]



Genus	Class	Phylum	Reference
Ulviabacter	Flavobacteriia	Bacteroidetes	[191]
Vallitalea	Clostridia	Firmicutes	[36]
Variovorax	Betaproteobacteria	Proteobacteria	[192]
Vibrio	Gammaproteobacteria	Proteobacteria	[193]
Weeksella	Flavobacteriia	Bacteroidetes	[194]
Williamsia	Actinomycetia	Actinobacteria	[7]
Winogradskyella	Flavobacteriia	Bacteroidetes	[13]
Xanthobacter	Alphaproteobacteria	Proteobacteria	[195]
Xanthomonas	Gammaproteobacteria	Proteobacteria	[17]
Xylanimicrobium	Actinomycetia	Actinobacteria	[7]
Xylella	Gammaproteobacteria	Proteobacteria	[194]
Yeosuana	Flavobacteriia	Bacteroidetes	[35]
Zavarzinia	Alphaproteobacteria	Proteobacteria	[196]
Zhongshania	Gammaproteobacteria	Proteobacteria	[197]
Zobellella	Gammaproteobacteria	Proteobacteria	[198]
Zobellia	Flavobacteriia	Bacteroidetes	[13]
Zoogloea	Betaproteobacteria	Proteobacteria	[199]
Zunongwangia	Flavobacteriia	Bacteroidetes	[200]
<b>B</b>			
Archaeoglobus	Archaeoglobi	Euryarchaeota	[36]
Geoglobus	Archaeoglobi	Euryarchaeota	[36]
Haloarcula	Halobacteria	Euryarchaeota	[201]
Halobacterium	Halobacteria	Euryarchaeota	[201]
Halococcus	Halobacteria	Euryarchaeota	[201]
Haloferax	Halobacteria	Euryarchaeota	[201]
Halorientalis	Halobacteria	Euryarchaeota	[202]
Halorubrum	Halobacteria	Euryarchaeota	[201]
Haloterrigena	Halobacteria	Euryarchaeota	[201]
Halovivax	Halobacteria	Euryarchaeota	[203]
Natrialba	Halobacteria	Euryarchaeota	[201]
Natronococcus	Halobacteria	Euryarchaeota	[204]
Natronolimnobius	Halobacteria	Euryarchaeota	[204]
Natronomonas	Halobacteria	Euryarchaeota	[204]

<sup>1</sup> According to Postec *et al* (2017) the genus *Abyssivirga* should be reassigned to the genus *Vallitalea* [205].

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