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2081	Nonlabens tegetincola gen. nov., sp. nov., a novel member of the family Flavobacteriaceae isolated from a microbial mat in a subtropical estuary. <b>2005</b> , 55, 2279-2283	18
2080	Effect of elevated tropospheric ozone on the structure of bacterial communities inhabiting the rhizosphere of herbaceous plants native to Germany. <b>2005</b> , 71, 7750-8	49
2079	Pseudoalteromonas spongiae sp. nov., a novel member of the gamma-Proteobacteria isolated from the sponge Mycale adhaerens in Hong Kong waters. <b>2005</b> , 55, 1593-1596	19
2078	Viral diversity in hot springs of Pozzuoli, Italy, and characterization of a unique archaeal virus, Acidianus bottle-shaped virus, from a new family, the Ampullaviridae. <b>2005</b> , 79, 9904-11	89
2077	New gammaproteobacteria associated with blood-feeding leeches and a broad phylogenetic analysis of leech endosymbionts. <b>2005</b> , 71, 5219-24	21
2076	Jannaschia rubra sp. nov., a red-pigmented bacterium isolated from sea water. <b>2005</b> , 55, 649-653	28
2075	In situ functional gene analysis: recognition of individual genes by fluorescence in situ hybridization. <b>2005</b> , 397, 338-51	9
2074	Specific detection, isolation, and characterization of selected, previously uncultured members of the freshwater bacterioplankton community. <b>2005</b> , 71, 5908-19	82
2073	Phyllobacterium catacumbae sp. nov., a member of the order 'Rhizobiales' isolated from Roman catacombs. <b>2005</b> , 55, 1487-1490	36
2072	Methanogenium frittonii Harris et al. 1996 is a later synonym of Methanoculleus thermophilus (Rivard and Smith 1982) Maestrojuan et al. 1990. <b>2005</b> , 55, 1097-1099	9
2071	Genetic diversity of small eukaryotes in lakes differing by their trophic status. <b>2005</b> , 71, 5935-42	152
2070	Investigation of the microbial ecology of intertidal hot springs by using diversity analysis of 16S rRNA and chitinase genes. <b>2005</b> , 71, 2771-6	66
2069	Sequential reductive dechlorination of meta-chlorinated polychlorinated biphenyl congeners in sediment microcosms by two different Chloroflexi phylotypes. <b>2005</b> , 71, 8085-90	89
2068	Bacillus acidicola sp. nov., a novel mesophilic, acidophilic species isolated from acidic Sphagnum peat bogs in Wisconsin. <b>2005</b> , 55, 2125-2130	70
2067	Dual symbiosis in a Bathymodiulus sp. mussel from a methane seep on the Gabon continental margin (Southeast Atlantic): 16S rRNA phylogeny and distribution of the symbionts in gills. <b>2005</b> , 71, 1694-700	133
2066	Thalassobius mediterraneus gen. nov., sp. nov., and reclassification of Ruegeria gelatinovorans as Thalassobius gelatinovorus comb. nov. <b>2005</b> , 55, 2371-2376	62

2065	First genome data from uncultured upland soil cluster alpha methanotrophs provide further evidence for a close phylogenetic relationship to <i>Methylocapsa acidiphila</i> B2 and for high-affinity methanotrophy involving particulate methane monooxygenase. <b>2005</b> , 71, 7472-82	49
2064	Physiology and phylogeny of green sulfur bacteria forming a monospecific phototrophic assemblage at a depth of 100 meters in the Black Sea. <b>2005</b> , 71, 8049-60	196
2063	An efficient program for phylogenetic inference using simulated annealing.	11
2062	Methane-oxidizing bacteria in a California upland grassland soil: diversity and response to simulated global change. <b>2005</b> , 71, 2642-52	131
2061	Polyphasic study of wine <i>Lactobacillus</i> strains: taxonomic implications. <b>2005</b> , 55, 197-207	88
2060	Clustered genes related to sulfate respiration in uncultured prokaryotes support the theory of their concomitant horizontal transfer. <b>2005</b> , 187, 7126-37	64
2059	Massive nitrogen loss from the Benguela upwelling system through anaerobic ammonium oxidation. <b>2005</b> , 102, 6478-83	560
2058	Metagenomic analysis reveals diverse polyketide synthase gene clusters in microorganisms associated with the marine sponge <i>Discodermia dissoluta</i> . <b>2005</b> , 71, 4840-9	232
2057	Host distributions of uncultivated fecal Bacteroidales bacteria reveal genetic markers for fecal source identification. <b>2005</b> , 71, 3184-91	235
2056	Impact of different in vitro electron donor/acceptor conditions on potential chemolithoautotrophic communities from marine pelagic redoxclines. <b>2005</b> , 71, 6664-72	64
2055	Sequence and expression analyses of Cytophaga-like hydrolases in a Western arctic metagenomic library and the Sargasso Sea. <b>2005</b> , 71, 8506-13	56
2054	Novel chemoautotrophic endosymbiosis between a member of the Epsilonproteobacteria and the hydrothermal-vent gastropod <i>Alviniconcha</i> aff. <i>hessleri</i> (Gastropoda: Provannidae) from the Indian Ocean. <b>2005</b> , 71, 5440-50	81
2053	Fate of heterotrophic microbes in pelagic habitats: focus on populations. <b>2005</b> , 69, 440-61	96
2052	RAxML-III: a fast program for maximum likelihood-based inference of large phylogenetic trees. <b>2005</b> , 21, 456-63	1160
2051	Use of specific rRNA oligonucleotide probes for microscopic detection of <i>Mycobacterium tuberculosis</i> in culture and tissue specimens. <b>2005</b> , 43, 5369-71	22
2050	<i>Lactobacillus arizonensis</i> is a later heterotypic synonym of <i>Lactobacillus plantarum</i> . <b>2005</b> , 55, 2485-2489	21
2049	Molecular identification of potential pathogens in water and air of a hospital therapy pool. <b>2005</b> , 102, 4860-5	183
2048	Diversity of green-like and red-like ribulose-1,5-bisphosphate carboxylase/oxygenase large-subunit genes (cbbL) in differently managed agricultural soils. <b>2005</b> , 71, 175-84	122

2047	Aminobacter ciceronei sp. nov. and Aminobacter lissarensis sp. nov., isolated from various terrestrial environments. <b>2005</b> , 55, 1827-1832	33
2046	Abundances, identity, and growth state of actinobacteria in mountain lakes of different UV transparency. <b>2005</b> , 71, 5551-9	185
2045	Cellular identity of an 18S rRNA gene sequence clade within the class Kinetoplastea: the novel genus Actuariola gen. nov. (Neobodonida) with description of the type species Actuariola framvarensis sp. nov. <b>2005</b> , 55, 2623-2635	21
2044	Hydrogenophaga defluvii sp. nov. and Hydrogenophaga atypica sp. nov., isolated from activated sludge. <b>2005</b> , 55, 341-344	71
2043	Methanomethylovorans thermophila sp. nov., a thermophilic, methylotrophic methanogen from an anaerobic reactor fed with methanol. <b>2005</b> , 55, 2465-2470	73
2042	Growth and population dynamics of anaerobic methane-oxidizing archaea and sulfate-reducing bacteria in a continuous-flow bioreactor. <b>2005</b> , 71, 3725-33	148
2041	Low intraspecific diversity in a polynucleobacter subcluster population numerically dominating bacterioplankton of a freshwater pond. <b>2005</b> , 71, 4539-47	79
2040	Microplate subtractive hybridization to enrich for bacteroidales genetic markers for fecal source identification. <b>2005</b> , 71, 3179-83	51
2039	Composition and structure of microbial communities from stromatolites of Hamelin Pool in Shark Bay, Western Australia. <b>2005</b> , 71, 4822-32	170
2038	Representational difference analysis and real-time PCR for strain-specific quantification of Lactobacillus sobrius sp. nov. <b>2005</b> , 71, 7578-81	37
2037	Waterborne pathogen detection by use of oligonucleotide-based microarrays. <b>2005</b> , 71, 8548-57	81
2036	Application of a newly developed ARB software-integrated tool for in silico terminal restriction fragment length polymorphism analysis reveals the dominance of a novel pmoA cluster in a forest soil. <b>2005</b> , 71, 1671-3	72
2035	Fast frequent string mining using suffix arrays.	7
2034	Desulfotomaculum carboxydivorans sp. nov., a novel sulfate-reducing bacterium capable of growth at 100% CO. <b>2005</b> , 55, 2159-2165	88
2033	Diversity of methanotrophic bacteria in tropical upland soils under different land uses. <b>2005</b> , 71, 3826-31	67
2032	Design of long oligonucleotide probes for functional gene detection in a microbial community. <b>2005</b> , 21, 4092-100	24
2031	Long-term population dynamics of phototrophic sulfur bacteria in the chemocline of Lake Cadagno, Switzerland. <b>2005</b> , 71, 3544-50	51
2030	Intracellular screen to identify metagenomic clones that induce or inhibit a quorum-sensing biosensor. <b>2005</b> , 71, 6335-44	171

2029	Diversity of bacteria growing in natural mineral water after bottling. <b>2005</b> , 71, 3624-32	68
2028	Isolation and characterization of a genetically tractable photoautotrophic Fe(II)-oxidizing bacterium, <i>Rhodopseudomonas palustris</i> strain TIE-1. <b>2005</b> , 71, 4487-96	151
2027	Microbes on the human vaginal epithelium. <b>2005</b> , 102, 7952-7	242
2026	Diversity and distribution of methanotrophic archaea at cold seeps. <b>2005</b> , 71, 467-79	485
2025	Characterization of microbial communities removing nitrogen oxides from flue gas: the BioDeNOx process. <b>2005</b> , 71, 6345-52	33
2024	Community structure and diversity of biofilms from a beer bottling plant as revealed using 16S rRNA gene clone libraries. <b>2005</b> , 71, 6446-52	38
2023	Effect of temperature on anaerobic ethanol oxidation and methanogenesis in acidic peat from a northern wetland. <b>2005</b> , 71, 8191-200	104
2022	Identification of bacteria in biofilm and bulk water samples from a nonchlorinated model drinking water distribution system: detection of a large nitrite-oxidizing population associated with <i>Nitrospira</i> spp. <b>2005</b> , 71, 8611-7	127
2021	Novel primers reveal wider diversity among marine aerobic anoxygenic phototrophs. <b>2005</b> , 71, 8958-62	68
2020	Genetic diversity of viable, injured, and dead fecal bacteria assessed by fluorescence-activated cell sorting and 16S rRNA gene analysis. <b>2005</b> , 71, 4679-89	166
2019	<i>Thalassobacter stenotrophicus</i> gen. nov., sp. nov., a novel marine alpha-proteobacterium isolated from Mediterranean sea water. <b>2005</b> , 55, 105-110	54
2018	<i>Sulfurihydrogenibium yellowstonense</i> sp. nov., an extremely thermophilic, facultatively heterotrophic, sulfur-oxidizing bacterium from Yellowstone National Park, and emended descriptions of the genus <i>Sulfurihydrogenibium</i> , <i>Sulfurihydrogenibium subterraneum</i> and <i>Sulfurihydrogenibium azorense</i> . <b>2005</b> , 55, 2219-2219	79
2017	<i>Agromyces subbeticus</i> sp. nov., isolated from a cave in southern Spain. <b>2005</b> , 55, 1897-1901	45
2016	Suicide polymerase endonuclease restriction, a novel technique for enhancing PCR amplification of minor DNA templates. <b>2005</b> , 71, 4721-7	32
2015	Activity and phylogenetic diversity of bacterial cells with high and low nucleic acid content and electron transport system activity in an upwelling ecosystem. <b>2005</b> , 71, 7737-49	91
2014	Methyl-coenzyme M reductase genes: unique functional markers for methanogenic and anaerobic methane-oxidizing Archaea. <b>2005</b> , 397, 428-42	122
2013	<i>Marinilactibacillus piezotolerans</i> sp. nov., a novel marine lactic acid bacterium isolated from deep sub-seafloor sediment of the Nankai Trough. <b>2005</b> , 55, 345-351	50
2012	Isolation and molecular detection of methylotrophic bacteria occurring in the human mouth. <b>2005</b> , 7, 1227-38	61

2011	Molecular approaches for assessing fungal diversity in marine substrata. <b>2005</b> , 48,	34
2010	<i>Thiovirga sulfuroxydans</i> gen. nov., sp. nov., a chemolithoautotrophic sulfur-oxidizing bacterium isolated from a microaerobic waste-water biofilm. <b>2005</b> , 55, 1059-1064	41
2009	Identification of bacteria potentially responsible for oxic and anoxic sulfide oxidation in biofilters of a recirculating mariculture system. <b>2005</b> , 71, 6134-41	59
2008	Reverse taxonomy: an approach towards determining the diversity of meiobenthic organisms based on ribosomal RNA signature sequences. <b>2005</b> , 360, 1917-24	130
2007	Intra- and interspecific comparisons of bacterial diversity and community structure support coevolution of gut microbiota and termite host. <b>2005</b> , 71, 6590-9	240
2006	PCR-induced sequence artifacts and bias: insights from comparison of two 16S rRNA clone libraries constructed from the same sample. <b>2005</b> , 71, 8966-9	436
2005	Diversity, localization, and physiological properties of filamentous microbes belonging to Chloroflexi subphylum I in mesophilic and thermophilic methanogenic sludge granules. <b>2005</b> , 71, 7493-503	189
2004	Benthic cyanobacteria of the genus <i>Nodularia</i> are non-toxic, without gas vacuoles, able to glide and genetically more diverse than planktonic <i>Nodularia</i> . <b>2005</b> , 55, 555-568	70
2003	Evaluation of universal probes and primer sets for assessing total bacterial load in clinical samples: general implications and practical use in endodontic antimicrobial therapy. <b>2005</b> , 43, 5332-7	92
2002	Sulfide-oxidizing activity and bacterial community structure in a fluidized bed reactor from a zero-discharge mariculture system. <b>2005</b> , 39, 1802-10	45
2001	Phylum- and class-specific PCR primers for general microbial community analysis. <b>2005</b> , 71, 6193-8	93
2000	16S rRNA gene-based oligonucleotide microarray for environmental monitoring of the betaproteobacterial order "Rhodocyclales". <b>2005</b> , 71, 1373-86	209
1999	Phylogenetic diversity and ecology of environmental Archaea. <b>2005</b> , 8, 638-42	111
1998	Semi-automated genetic analyses of soil microbial communities: comparison of T-RFLP and RISA based on descriptive and discriminative statistical approaches. <b>2005</b> , 61, 349-60	92
1997	Design and application of an oligonucleotide microarray for the investigation of compost microbial communities. <b>2005</b> , 62, 37-56	105
1996	Effect of plants and filter materials on bacteria removal in pilot-scale constructed wetlands. <b>2005</b> , 39, 1361-73	144
1995	Characterization of nitrogen-fixing cyanobacteria in the Brazilian Amazon floodplain. <b>2005</b> , 39, 5017-26	44
1994	Obesity alters gut microbial ecology. <b>2005</b> , 102, 11070-5	4146



1993	Nested PCR-denaturing gradient gel electrophoresis approach to determine the diversity of sulfate-reducing bacteria in complex microbial communities. <b>2005</b> , 71, 2325-30	114
1992	Ribosomal RNA probes and microarrays: their potential use in assessing microbial biodiversity. <b>2005</b> , 395, 258-78	15
1991	Quantitative analysis of nifH genes and transcripts from aquatic environments. <b>2005</b> , 397, 380-94	32
1990	A mesocosm study of <i>Phaeocystis globosa</i> (Prymnesiophyceae) population dynamics: II. Significance for the microbial community. <b>2005</b> , 4, 875-893	79
1989	<i>Gramella portivictoriae</i> sp. nov., a novel member of the family Flavobacteriaceae isolated from marine sediment. <b>2005</b> , 55, 2497-2500	29
1988	UniFrac: a new phylogenetic method for comparing microbial communities. <b>2005</b> , 71, 8228-35	5136
1987	Anammox organisms: enrichment, cultivation, and environmental analysis. <b>2005</b> , 397, 34-57	49
1986	Functional marker genes for identification of sulfate-reducing prokaryotes. <b>2005</b> , 397, 469-89	74
1985	Phylogenetic models of rate heterogeneity: a high performance computing perspective. <b>2006</b> , 71, 185-200	185
1984	Databases. <b>2006</b> , 24-28	1
1983	Transcriptional organization and regulation of magnetosome operons in <i>Magnetospirillum gryphiswaldense</i> . <b>2006</b> , 72, 5757-65	58
1982	Microbial community composition of the ileum and cecum of broiler chickens as revealed by molecular and culture-based techniques. <b>2006</b> , 85, 1151-64	162
1981	Phylogenetic analysis and in situ identification of bacteria community composition in an acidic Sphagnum peat bog. <b>2006</b> , 72, 2110-7	235
1980	In Situ Enrichment of a Diverse Community of Bacteria from a 4.5 km Deep Fault Zone in South Africa. <b>2006</b> , 23, 463-473	19
1979	<i>Methylocystis rosea</i> sp. nov., a novel methanotrophic bacterium from Arctic wetland soil, Svalbard, Norway (78 degrees N). <b>2006</b> , 56, 541-547	55
1978	<i>Halovivax asiaticus</i> gen. nov., sp. nov., a novel extremely halophilic archaeon isolated from Inner Mongolia, China. <b>2006</b> , 56, 765-770	49
1977	Reprint of Biodiversity and systematics of nematode-bacterium entomopathogens [Biol. Control 37 (2006) 324-9]. <b>2006</b> , 38, 4-21	40
1976	Multiple sequence alignment for phylogenetic purposes. <b>2006</b> , 19, 479	113



1975	Molecular analysis of the bacterial microbiota in the human stomach. <b>2006</b> , 103, 732-7	733
1974	Utilization of capsaicin and vanillylamine as growth substrates by <i>Capsicum</i> (hot pepper)-associated bacteria. <b>2006</b> , 8, 560-5	20
1973	Microbial community structure of sandy intertidal sediments in the North Sea, Sylt-Rhine Basin, Wadden Sea. <b>2006</b> , 29, 333-48	122
1972	Functional large-scale production of a novel <i>Jonesia</i> sp. xyloglucanase by heterologous secretion from <i>Streptomyces lividans</i> . <b>2006</b> , 121, 498-507	43
1971	Alkenone producers inferred from well-preserved 18S rDNA in Greenland lake sediments. <b>2006</b> , 111,	32
1970	Ancient DNA derived from alkenone-biosynthesizing haptophytes and other algae in Holocene sediments from the Black Sea. <b>2006</b> , 21, n/a-n/a	55
1969	<i>Desulfuromonas svalbardensis</i> sp. nov. and <i>Desulfuromusa ferrireducens</i> sp. nov., psychrophilic, Fe(III)-reducing bacteria isolated from Arctic sediments, Svalbard. <b>2006</b> , 56, 1133-1139	64
1968	<i>Desulfitibacter alkalitolerans</i> gen. nov., sp. nov., an anaerobic, alkalitolerant, sulfite-reducing bacterium isolated from a district heating plant. <b>2006</b> , 56, 2831-2836	26
1967	Localization and Visualization of Microbial Community Structure and Activity in Soil Microhabitats. <b>2006</b> , 439-461	4
1966	Microbial CO conversions with applications in synthesis gas purification and bio-desulfurization. <b>2006</b> , 26, 41-65	85
1965	Reclassification of <i>Roseobacter gallaeciensis</i> Ruiz-Ponte et al. 1998 as <i>Phaeobacter gallaeciensis</i> gen. nov., comb. nov., description of <i>Phaeobacter inhibens</i> sp. nov., reclassification of <i>Ruegeria algicola</i> (Lafay et al. 1995) Uchino et al. 1999 as <i>Marinovum algicola</i> gen. nov., comb. nov., and emended descriptions of the genera <i>Roseobacter</i> , <i>Ruegeria</i> and <i>Leisingera</i> . <b>2006</b> , 56, 1293-1304	181
1964	Unexpected diversity and complexity of the Guerrero Negro hypersaline microbial mat. <b>2006</b> , 72, 3685-95	364
1963	Quantitative detection of the free-living amoeba <i>Hartmannella vermiformis</i> in surface water by using real-time PCR. <b>2006</b> , 72, 5750-6	76
1962	<i>Denitratisoma oestradiolicum</i> gen. nov., sp. nov., a 17beta-oestradiol-degrading, denitrifying betaproteobacterium. <b>2006</b> , 56, 1547-1552	188
1961	Mercury methylation from unexpected sources: molybdate-inhibited freshwater sediments and an iron-reducing bacterium. <b>2006</b> , 72, 457-64	447
1960	20 The Isolation and Study of Acidophilic Microorganisms. <b>2006</b> , 35, 471-510	10
1959	Isolation and identification of an epibiotic bacterium associated with heterocystous <i>Anabaena</i> cells. <b>2006</b> , 210, 73-7	26
1958	Greengenes, a chimera-checked 16S rRNA gene database and workbench compatible with ARB. <b>2006</b> , 72, 5069-72	7556

1957	Bacterial diversity in the active stage of a bioremediation system for mineral oil hydrocarbon-contaminated soils. <b>2006</b> , 152, 3291-3304	69
1956	16S rRNA based T-RFLP analysis of methane oxidising bacteria. Assessment, critical evaluation of methodology performance and application for landfill site cover soils. <b>2006</b> , 31, 251-266	39
1955	Microbial diversity within the water column of a larval rearing system for the ornate rock lobster ( <i>Panulirus ornatus</i> ). <b>2006</b> , 258, 80-90	21
1954	Highly parallel microbial diagnostics using oligonucleotide microarrays. <b>2006</b> , 363, 106-19	115
1953	Reciprocal gut microbiota transplants from zebrafish and mice to germ-free recipients reveal host habitat selection. <b>2006</b> , 127, 423-33	664
1952	Biodiversity and systematics of nematode-associated bacterium entomopathogens. <b>2006</b> , 37, 32-49	88
1951	Genetic diversity of culturable bacteria in oil-contaminated rhizosphere of <i>Galega orientalis</i> . <b>2006</b> , 139, 244-57	30
1950	22 Cultivation of Haloarchaea. <b>2006</b> , 35, 535-552	10
1949	Comparison of different labeling methods for the production of labeled target DNA for microarray hybridization. <b>2006</b> , 65, 117-26	14
1948	Testing of primers for the study of cyanobacterial molecular diversity by DGGE. <b>2006</b> , 65, 542-50	55
1947	In situ microcosms to evaluate natural attenuation potentials in contaminated aquifers. <b>2006</b> , 37, 1394-1410	46
1946	Molecular systematics and ultrastructural characterization of a forgotten species: <i>Chattonidium setense</i> (Ciliophora, Heterotrichea). <b>2006</b> , 82, 359-74	21
1945	Effect of Temporal Sample Preservation on the Molecular Study of a Complex Microbial Community in the Gut of the Termite <i>Microcerotermes</i> sp.. <b>2006</b> , 21, 78-85	10
1944	Identification and Characterization of Benomyl-Resistant and -Sensitive Populations of <i>Colletotrichum gloeosporioides</i> from <i>Statice</i> ( <i>Limonium</i> spp.). <b>2006</b> , 96, 542-8	44
1943	Growth kinetics and competition between <i>Methanosarcina</i> and <i>Methanosaeta</i> in mesophilic anaerobic digestion. <b>2006</b> , 78, 486-96	222
1942	Molecular Ecology of the Human Intestinal Microbiota. <b>2006</b> , 1-23	1
1941	Isolation of Uncultivated Methanogens using Anaerobic Syntrophic Substrate-degrading Coculture System.. <b>2006</b> , 29, 389-397	
1940	Community and cultivation analysis of arsenite oxidizing biofilms at Hot Creek. <b>2006</b> , 8, 50-9	27

1939	Stable carbon isotope fractionation during degradation of dichloromethane by methylotrophic bacteria. <b>2006</b> , 8, 156-64	29
1938	Geomicrobiological exploration and characterization of a novel deep-sea hydrothermal system at the TOTO caldera in the Mariana Volcanic Arc. <b>2006</b> , 8, 37-49	56
1937	Diversity and phylotype consistency of bacteria in the guts of three bee species (Apoidea) at an oilseed rape field. <b>2006</b> , 8, 258-72	183
1936	Development and validation of a prototype 16S rRNA-based taxonomic microarray for Alphaproteobacteria. <b>2006</b> , 8, 289-307	82
1935	The active methanotrophic community in hydromorphic soils changes in response to changing methane concentration. <b>2006</b> , 8, 321-33	109
1934	Diversity and ubiquity of thermophilic methanogenic archaea in temperate anoxic soils. <b>2006</b> , 8, 394-404	54
1933	Selective enrichment and molecular characterization of a previously uncultured Nitrospira-like bacterium from activated sludge. <b>2006</b> , 8, 405-15	111
1932	Identifying pioneer bacterial species responsible for biofouling membrane bioreactors. <b>2006</b> , 8, 433-40	91
1931	Replicability of dominant bacterial populations after long-term surfactant-enrichment in lab-scale activated sludge. <b>2006</b> , 8, 625-38	38
1930	Deep biosphere-related bacteria within the subsurface of tidal flat sediments. <b>2006</b> , 8, 709-19	85
1929	In situ probing of Xylella fastidiosa in honeydew of a xylem sap-feeding insect using 16S rRNA-targeted fluorescent oligonucleotides. <b>2006</b> , 8, 747-54	5
1928	Characterization and quantification of ammonia-oxidizing bacteria in eutrophic coastal marine sediments using polyphasic molecular approaches and immunofluorescence staining. <b>2006</b> , 8, 787-803	43
1927	Microbial community dynamics in a humic lake: differential persistence of common freshwater phylotypes. <b>2006</b> , 8, 956-70	99
1926	Off-axis symbiosis found: Characterization and biogeography of bacterial symbionts of Bathymodiolus mussels from Lost City hydrothermal vents. <b>2006</b> , 8, 1902-12	57
1925	Biosynthesis of hopanoids by sulfate-reducing bacteria (genus Desulfovibrio). <b>2006</b> , 8, 1220-7	140
1924	Pirellula and OM43 are among the dominant lineages identified in an Oregon coast diatom bloom. <b>2006</b> , 8, 1361-70	133
1923	Nitrite concentration influences the population structure of Nitrospira-like bacteria. <b>2006</b> , 8, 1487-95	171
1922	Vertical profiles of methanogenesis and methanogens in two contrasting acidic peatlands in central New York State, USA. <b>2006</b> , 8, 1428-40	152

1921	A dual symbiosis shared by two mussel species, <i>Bathymodiolus azoricus</i> and <i>Bathymodiolus puteoserpentis</i> (Bivalvia: Mytilidae), from hydrothermal vents along the northern Mid-Atlantic Ridge. <b>2006</b> , 8, 1441-7	146
1920	Diversity of polyketide synthase genes from bacteria associated with the marine sponge <i>Pseudoceratina clavata</i> : culture-dependent and culture-independent approaches. <b>2006</b> , 8, 1460-70	73
1919	Microbial diversity in alpine tundra wet meadow soil: novel Chloroflexi from a cold, water-saturated environment. <b>2006</b> , 8, 1471-86	116
1918	Structure analysis of a soil community of predatory bacteria using culture-dependent and culture-independent methods reveals a hitherto undetected diversity of Bdellovibrio-and-like organisms. <b>2006</b> , 8, 1667-73	64
1917	Widespread distribution and high abundance of <i>Rhizobium radiobacter</i> within Mediterranean subsurface sediments. <b>2006</b> , 8, 1753-63	35
1916	Characterization of diatom-cyanobacteria symbioses on the basis of <i>nifH</i> , <i>hetR</i> and 16S rRNA sequences. <b>2006</b> , 8, 1913-25	109
1915	Study of nitrogen fixation in microbial communities of oil-contaminated marine sediment microcosms. <b>2006</b> , 8, 1834-43	40
1914	Anaerobic ammonium oxidation in a tropical freshwater system (Lake Tanganyika). <b>2006</b> , 8, 1857-63	246
1913	Recovery of temperate <i>Desulfovibrio vulgaris</i> bacteriophage using a novel host strain. <b>2006</b> , 8, 1950-9	12
1912	Aerobic and anaerobic methanotrophs in the Black Sea water column. <b>2006</b> , 8, 1844-56	89
1911	Cyanobacterial assimilatory nitrate reductase gene diversity in coastal and oligotrophic marine environments. <b>2006</b> , 8, 2083-95	23
1910	Detection of glycolate oxidase gene <i>glcD</i> diversity among cultured and environmental marine bacteria. <b>2006</b> , 8, 1688-702	43
1909	Biogeography of the marine actinomycete <i>Salinispora</i> . <b>2006</b> , 8, 1881-8	90
1908	A new alpha-proteobacterial clade of Bdellovibrio-like predators: implications for the mitochondrial endosymbiotic theory. <b>2006</b> , 8, 2179-88	67
1907	Archaeal diversity in two thermophilic chalcopyrite bioleaching reactors. <b>2006</b> , 8, 2050-6	21
1906	<i>Apofrontonia dohrni</i> sp. n. and the phylogenetic relationships within Peniculia (Protista, Ciliophora, Oligohymenophorea). <b>2006</b> , 35, 289-300	18
1905	Planktonic microbial community composition across steep physical/chemical gradients in permanently ice-covered Lake Bonney, Antarctica. <b>2006</b> , 4, 53-67	51
1904	In situ ecological development of a bacteriogenic iron oxide-producing microbial community from a subsurface granitic rock environment. <b>2006</b> , 4, 29-42	31

1903	16S rDNA directed PCR primers and detection of methanogens in the bovine rumen. <b>2006</b> , 42, 222-8	71
1902	Diagnostic microbial microarrays in soil ecology. <b>2006</b> , 171, 719-35	73
1901	Diversity of soluble methane monooxygenase-containing methanotrophs isolated from polluted environments. <b>2006</b> , 255, 225-32	48
1900	Transient development of filamentous Thiothrix species in a marine sulfide oxidizing, denitrifying fluidized bed reactor. <b>2006</b> , 256, 22-9	12
1899	Molecular characterization of the obligate endosymbiont " <i>Caedibacter macronucleorum</i> " Fokin and Gltz, 1993 and of its host <i>Paramecium duboscqui</i> strain Ku4-8. <b>2006</b> , 53, 499-506	21
1898	<i>Vannella epipetala</i> n. sp. isolated from the leaf surface of <i>Spondias mombin</i> (Anacardiaceae) growing in the dry forest of Costa Rica. <b>2006</b> , 53, 522-30	12
1897	The Zn(II)2Cys <sub>6</sub> putative transcription factor NosA controls fruiting body formation in <i>Aspergillus nidulans</i> . <b>2006</b> , 61, 544-54	77
1896	Metagenomic DNA fragments that affect <i>Escherichia coli</i> mutational pathways. <b>2006</b> , 61, 960-77	7
1895	Stratified prokaryote network in the oxic-anoxic transition of a deep-sea halocline. <b>2006</b> , 440, 203-7	185
1894	Horizontal endosymbiont transmission in hydrothermal vent tubeworms. <b>2006</b> , 441, 345-8	173
1893	A ubiquitous thermoacidophilic archaeon from deep-sea hydrothermal vents. <b>2006</b> , 442, 444-7	195
1892	A molecular microbial ecology approach to studying hemodialysis water and fluid. <b>2006</b> , 70, 1567-76	17
1891	Moderate thermophiles including <i>Ferroplasma cupricumulans</i> sp. nov. dominate an industrial-scale chalcocite heap bioleaching operation. <b>2006</b> , 83, 229-236	41
1890	Non-sulfate-reducing, syntrophic bacteria affiliated with desulfotomaculum cluster I are widely distributed in methanogenic environments. <b>2006</b> , 72, 2080-91	147
1889	The Microbial Soil Flora: Novel Approaches for Accessing the Phylogenetic and Physiological Diversity of Prokaryotes. <b>2006</b> , 407-424	2
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1887	Characterization of the psychrotolerant acetogen strain SyrA5 and the emended description of the species <i>Acetobacterium carbinolicum</i> . <b>2006</b> , 89, 55-69	14
1886	<i>Desulfobacter psychrotolerans</i> sp. nov., a new psychrotolerant sulfate-reducing bacterium and descriptions of its physiological response to temperature changes. <b>2006</b> , 89, 109-24	21

1885	Epilithic biofilms in Saint Callixtus Catacombs (Rome) harbour a broad spectrum of Acidobacteria. <b>2006</b> , 89, 203-8	24
1884	Methanogenic diversity and activity in municipal solid waste landfill leachates. <b>2006</b> , 89, 423-34	45
1883	Exophiala xenobiotica sp. nov., an opportunistic black yeast inhabiting environments rich in hydrocarbons. <b>2006</b> , 90, 257-68	81
1882	Characterization of Exiguobacterium isolates from the Siberian permafrost. Description of Exiguobacterium sibiricum sp. nov. <b>2006</b> , 10, 285-94	85
1881	Microbial diversity in hypersaline wastewater: the example of tanneries. <b>2006</b> , 10, 505-13	62
1880	Ferroplasma cupricumulans sp. nov., a novel moderately thermophilic, acidophilic archaeon isolated from an industrial-scale chalcocite bioleach heap. <b>2006</b> , 10, 525-30	54
1879	Characterization of a thermophilic sulfur oxidizing enrichment culture dominated by a Sulfolobus sp. obtained from an underground hot spring for use in extreme bioleaching conditions. <b>2006</b> , 33, 984-94	11
1878	Picoeukaryotic plankton diversity at the Helgoland time series site as assessed by three molecular methods. <b>2006</b> , 52, 53-71	84
1877	Watering, fertilization, and slurry inoculation promote recovery of biological crust function in degraded soils. <b>2006</b> , 52, 365-77	67
1876	Spatial stratification of soil bacterial populations in aggregates of diverse soils. <b>2006</b> , 51, 404-11	114
1875	Stability in a denitrifying fluidized bed reactor. <b>2006</b> , 52, 311-21	32
1874	A targeted real-time PCR assay for studying naphthalene degradation in the environment. <b>2006</b> , 52, 533-43	25
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1872	Microbial community structure in three deep-sea carbonate crusts. <b>2006</b> , 52, 451-62	30
1871	Characterization of the novel HCH-degrading strain, Microbacterium sp. ITRC1. <b>2006</b> , 69, 580-8	67
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1869	Structure of microbial communities performing the simultaneous reduction of Fe(II)EDTA.NO <sub>2</sub> - and Fe(III)EDTA -. <b>2006</b> , 73, 922-31	8
1868	Metabolically active Crenarchaeota in Altamira Cave. <b>2006</b> , 93, 42-5	67

1867	Utilization of homoserine lactone as a sole source of carbon and energy by soil <i>Arthrobacter</i> and <i>Burkholderia</i> species. <b>2006</b> , 185, 47-54	16
1866	<i>Pelotomaculum terephthalicum</i> sp. nov. and <i>Pelotomaculum isophthalicum</i> sp. nov.: two anaerobic bacteria that degrade phthalate isomers in syntrophic association with hydrogenotrophic methanogens. <b>2006</b> , 185, 172-82	85
1865	<i>Sporotalea propionica</i> gen. nov. sp. nov., a hydrogen-oxidizing, oxygen-reducing, propionigenic firmicute from the intestinal tract of a soil-feeding termite. <b>2007</b> , 187, 15-27	29
1864	A parallel computing algorithm for 16S rRNA probe design. <b>2006</b> , 66, 1546-1551	2
1863	Diverse members of the <i>Ralstonia solanacearum</i> species complex cause bacterial wilts of banana. <b>2006</b> , 35, 93	68
1862	Nitrate-dependent [Fe(II)EDTA] <sub>2</sub> -oxidation by <i>Paracoccus ferrooxidans</i> sp. nov., isolated from a denitrifying bioreactor. <b>2006</b> , 29, 276-86	87
1861	<i>Lactobacillus tucetii</i> sp. nov., a new lactic acid bacterium isolated from sausage. <b>2006</b> , 29, 389-95	19
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1856	Fluorescence in situ hybridization with specific oligonucleotide rRNA probes distinguishes the sibling species <i>Stylonychia lemnae</i> and <i>Stylonychia mytilus</i> (Ciliophora, Spirotrichea). <b>2006</b> , 157, 21-30	32
1855	Evaluation of sequence alignments and oligonucleotide probes with respect to three-dimensional structure of ribosomal RNA using ARB software package. <b>2006</b> , 7, 240	35
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1851	RibAlign: a software tool and database for eubacterial phylogeny based on concatenated ribosomal protein subunits. <b>2006</b> , 7, 66	16
1850	Population dynamics and in situ kinetics of nitrifying bacteria in autotrophic nitrifying biofilms as determined by real-time quantitative PCR. <b>2006</b> , 94, 1111-21	71

1849	The MIGenAS integrated bioinformatics toolkit for web-based sequence analysis. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, W15-9	20.1	12
1848	Characterization of Gut-Associated Bacteria in Larvae and Adults of the Southern Pine Beetle, <i>Dendroctonus frontalis</i> Zimmermann. <b>2006</b> , 35, 1710-1717		66
1847	Computational Grand Challenges in Assembling the Tree of Life: Problems and Solutions. <b>2006</b> , 127-176		10
1846	Characterization of Gut-Associated Bacteria in Larvae and Adults of the Southern Pine Beetle, <i>Dendroctonus frontalis</i> Zimmermann. <b>2006</b> , 35, 1710-1717		33
1845	Coupled photochemical and enzymatic Mn(II) oxidation pathways of a planktonic Roseobacter-Like bacterium. <b>2006</b> , 72, 3543-9		64
1844	Metagenome Analyses. <b>2006</b> , 261-286		1
1843	Dominant microbial populations in limestone-corroding stream biofilms, Frasassi cave system, Italy. <b>2006</b> , 72, 5596-609		135
1842	Toward a census of bacteria in soil. <b>2006</b> , 2, e92		318
1841	<i>Gillisia myxillae</i> sp. nov., a novel member of the family Flavobacteriaceae, isolated from the marine sponge <i>Myxilla incrustans</i> . <b>2006</b> , 56, 1795-1799		19
1840	Synergistes group organisms of human origin. <b>2006</b> , 44, 2914-20		49
1839	Dynamics of a pig slurry microbial community during anaerobic storage and management. <b>2006</b> , 72, 3578-85		96
1838	<i>Paucisalibacillus globulus</i> gen. nov., sp. nov., a Gram-positive bacterium isolated from potting soil. <b>2006</b> , 56, 1841-1845		31
1837	16S rRNA phylogenetic investigation of the candidate division "Korarchaeota". <b>2006</b> , 72, 5077-82		28
1836	<i>Lactobacillus vini</i> sp. nov., a wine lactic acid bacterium homofermentative for pentoses. <b>2006</b> , 56, 513-517		43
1835	Ecophysiology of different filamentous Alphaproteobacteria in industrial wastewater treatment plants. <b>2006</b> , 152, 3003-3012		47
1834	Potential of a 16S rRNA-based taxonomic microarray for analyzing the rhizosphere effects of maize on <i>Agrobacterium</i> spp. and bacterial communities. <b>2006</b> , 72, 4302-12		100
1833	<i>Natrinema ejinorensis</i> sp. nov., isolated from a saline lake in Inner Mongolia, China. <b>2006</b> , 56, 2683-2687		18
1832	<i>Sandarakinorhabdus limnophila</i> gen. nov., sp. nov., a novel bacteriochlorophyll a-containing, obligately aerobic bacterium isolated from freshwater lakes. <b>2006</b> , 56, 847-854		51



1831	Automated detection and enumeration for toxic algae by solid-phase cytometry and the introduction of a new probe for <i>Prymnesium parvum</i> (Haptophyta: Prymnesiophyceae). <b>2006</b> , 28, 643-657	35
1830	<i>Prochlorococcus</i> ecotype abundances in the North Atlantic Ocean as revealed by an improved quantitative PCR method. <b>2006</b> , 72, 723-32	120
1829	<i>Goodfellowia</i> gen. nov., a new genus of the Pseudonocardineae related to <i>Actinoalloteichus</i> , containing <i>Goodfellowia coeruleoviolacea</i> gen. nov., comb. nov. <b>2006</b> , 56, 1203-1207	25
1828	<i>Hoeflea alexandrii</i> sp. nov., isolated from the toxic dinoflagellate <i>Alexandrium minutum</i> AL1V. <b>2006</b> , 56, 1991-1995	23
1827	Blooms of single bacterial species in a coastal lagoon of the southwestern Atlantic Ocean. <b>2006</b> , 72, 6560-8	58
1826	<i>Desulfohalobium utahense</i> sp. nov., a moderately halophilic, sulfate-reducing bacterium isolated from Great Salt Lake. <b>2006</b> , 56, 2063-2069	57
1825	Host-symbiont relationships in hydrothermal vent gastropods of the genus <i>Alviniconcha</i> from the Southwest Pacific. <b>2006</b> , 72, 1388-93	64
1824	<i>Herbaspirillum hiltneri</i> sp. nov., isolated from surface-sterilized wheat roots. <b>2006</b> , 56, 1341-1348	42
1823	Occurrence and genetic diversity of uncultured <i>Legionella</i> spp. in drinking water treated at temperatures below 15 degrees C. <b>2006</b> , 72, 157-66	93
1822	Molecular characterization of subject-specific oral microflora during initial colonization of enamel. <b>2006</b> , 72, 2837-48	299
1821	Identification of bacterial micropredators distinctively active in a soil microbial food web. <b>2006</b> , 72, 5342-8	166
1820	<i>Spirochaeta coccoides</i> sp. nov., a novel coccoid spirochete from the hindgut of the termite <i>Neotermes castaneus</i> . <b>2006</b> , 72, 392-7	67
1819	Identification and quantification of archaea involved in primary endodontic infections. <b>2006</b> , 44, 1274-82	130
1818	Microbial communities in the surface mucopolysaccharide layer and the black band microbial mat of black band-diseased <i>Siderastrea siderea</i> . <b>2006</b> , 72, 5963-73	124
1817	Putative glycogen-accumulating organisms belonging to the Alphaproteobacteria identified through rRNA-based stable isotope probing. <b>2006</b> , 152, 419-429	142
1816	Comparison of rRNA and polar-lipid-derived fatty acid biomarkers for assessment of <sup>13</sup> C-substrate incorporation by microorganisms in marine sediments. <b>2006</b> , 72, 5246-53	23
1815	<i>Pedobacter aquatilis</i> sp. nov., isolated from drinking water, and emended description of the genus <i>Pedobacter</i> . <b>2006</b> , 56, 1853-1858	61
1814	<i>Sulfurivirga caldicuralii</i> gen. nov., sp. nov., a novel microaerobic, thermophilic, thiosulfate-oxidizing chemolithoautotroph, isolated from a shallow marine hydrothermal system occurring in a coral reef, Japan. <b>2006</b> , 56, 1921-1929	18

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1812	Nitrification in a biofilm at low pH values: role of in situ microenvironments and acid tolerance. <b>2006</b> , 72, 4283-92	61
1811	Improved enumeration of lactic acid bacteria in mesophilic dairy starter cultures by using multiplex quantitative real-time PCR and flow cytometry-fluorescence in situ hybridization. <b>2006</b> , 72, 4163-71	56
1810	Vulcanibacillus modesticaldus gen. nov., sp. nov., a strictly anaerobic, nitrate-reducing bacterium from deep-sea hydrothermal vents. <b>2006</b> , 56, 1047-1053	39
1809	Roseomonas aquatica sp. nov., isolated from drinking water. <b>2006</b> , 56, 2291-2295	51
1808	Halorubrum orientale sp. nov., a halophilic archaeon isolated from Lake Ejinor, Inner Mongolia, China. <b>2006</b> , 56, 2559-2563	21
1807	Advances in Microarray-Based Technologies for Soil Microbial Community Analyses. <b>2006</b> , 189-203	4
1806	Recurring seasonal dynamics of microbial communities in stream habitats. <b>2006</b> , 72, 713-22	129
1805	Detection of diverse bacterial signatures in atherosclerotic lesions of patients with coronary heart disease. <b>2006</b> , 113, 929-37	246
1804	Rhodoblastus sphagnicola sp. nov., a novel acidophilic purple non-sulfur bacterium from Sphagnum peat bog. <b>2006</b> , 56, 1397-1402	33
1803	Psychrobacter cryohalolentis sp. nov. and Psychrobacter arcticus sp. nov., isolated from Siberian permafrost. <b>2006</b> , 56, 1285-1291	132
1802	Tepidanaerobacter syntrophicus gen. nov., sp. nov., an anaerobic, moderately thermophilic, syntrophic alcohol- and lactate-degrading bacterium isolated from thermophilic digested sludges. <b>2006</b> , 56, 1621-1629	65
1801	Salicola marasensis gen. nov., sp. nov., an extremely halophilic bacterium isolated from the Maras solar salterns in Peru. <b>2006</b> , 56, 1685-1691	23
1800	Bacillus foraminis sp. nov., isolated from a non-saline alkaline groundwater. <b>2006</b> , 56, 2571-2574	47
1799	Reclassification of Pseudomonas beijerinckii Hof 1935 as Chromohalobacter beijerinckii comb. nov., and emended description of the species. <b>2006</b> , 56, 1953-1957	23
1798	Molecular diversity, cultivation, and improved detection by fluorescent in situ hybridization of a dominant group of human gut bacteria related to Roseburia spp. or Eubacterium rectale. <b>2006</b> , 72, 6371-6	96
1797	Phylogenetic diversity, localization, and cell morphologies of members of the candidate phylum TG3 and a subphylum in the phylum Fibrobacteres, recently discovered bacterial groups dominant in termite guts. <b>2006</b> , 72, 6780-8	91
1796	Diversity of ammonia-oxidizing archaea and bacteria in the sediments of a hypernutrified subtropical estuary: Bahía del TBarí, Mexico. <b>2006</b> , 72, 7767-77	201

1795	Degradation of methanethiol by methylotrophic methanogenic archaea in a lab-scale upflow anaerobic sludge blanket reactor. <b>2006</b> , 72, 7540-7	56
1794	Introducing TreeClimber, a test to compare microbial community structures. <b>2006</b> , 72, 2379-84	92
1793	Specific bacterial, archaeal, and eukaryotic communities in tidal-flat sediments along a vertical profile of several meters. <b>2006</b> , 72, 2756-64	122
1792	Microeukaryote community patterns along an O <sub>2</sub> /H <sub>2</sub> S gradient in a supersulfidic anoxic fjord (Framvaren, Norway). <b>2006</b> , 72, 3626-36	120
1791	Description of <i>Fabibacter halotolerans</i> gen. nov., sp. nov. and <i>Roseivirga spongicola</i> sp. nov., and reclassification of [ <i>Marinicola</i> ] <i>seohaensis</i> as <i>Roseivirga seohaensis</i> comb. nov. <b>2006</b> , 56, 1059-1065	39
1790	Description of <i>Pseudochrobactrum</i> gen. nov., with the two species <i>Pseudochrobactrum asaccharolyticum</i> sp. nov. and <i>Pseudochrobactrum saccharolyticum</i> sp. nov. <b>2006</b> , 56, 1823-1829	41
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1787	Microbial diversity in the deep sea and the underexplored "rare biosphere". <b>2006</b> , 103, 12115-20	2773
1786	Archaeal nitrification in the ocean. <b>2006</b> , 103, 12317-22	872
1785	DNA Taxonomy and the identification of immature insect stages: the true larva of <i>Tauriphila argo</i> (Hagen 1869) (Odonata: Anisoptera: Libellulidae). <b>2006</b> , 42, 91-98	13
1784	The Genera <i>Pediococcus</i> and <i>Tetragenococcus</i> . <b>2006</b> , 229-266	37
1783	<i>Desulfovibrio alkalitolerans</i> sp. nov., a novel alkalitolerant, sulphate-reducing bacterium isolated from district heating water. <b>2006</b> , 56, 1019-1024	37
1782	<i>Sulfurimonas paralvinellae</i> sp. nov., a novel mesophilic, hydrogen- and sulfur-oxidizing chemolithoautotroph within the Epsilonproteobacteria isolated from a deep-sea hydrothermal vent polychaete nest, reclassification of <i>Thiomicrospira denitrificans</i> as <i>Sulfurimonas denitrificans</i> comb. nov. and emended description of the genus <i>Sulfurimonas</i> . <b>2006</b> , 56, 1725-1733	178
1781	Rapid identification of ascomycetous yeasts from clinical specimens by a molecular method based on flow cytometry and comparison with identifications from phenotypic assays. <b>2006</b> , 44, 3167-71	29
1780	Effect of inhibition of acetoclastic methanogenesis on growth of archaeal populations in an anoxic model environment. <b>2006</b> , 72, 178-84	36
1779	NAST: a multiple sequence alignment server for comparative analysis of 16S rRNA genes. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, W394-9	20.1 810
1778	<i>Desulfovibrio frigidus</i> sp. nov. and <i>Desulfovibrio ferrireducens</i> sp. nov., psychrotolerant bacteria isolated from Arctic fjord sediments (Svalbard) with the ability to reduce Fe(III). <b>2006</b> , 56, 681-685	33

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1776	Methanogenic archaea in adult human faecal samples are inversely related to butyrate concentration. <b>2006</b> , 18, 154-160	28
1775	<i>Dietzia cinnamea</i> sp. nov., a novel species isolated from a perianal swab of a patient with a bone marrow transplant. <b>2006</b> , 56, 641-645	43
1774	A DNA microarray platform based on direct detection of rRNA for characterization of freshwater sediment-related prokaryotic communities. <b>2006</b> , 72, 4829-38	36
1773	<i>Anaerolinea thermolimos</i> a sp. nov., <i>Levilinea saccharolytica</i> gen. nov., sp. nov. and <i>Leptolinea tardivitalis</i> gen. nov., sp. nov., novel filamentous anaerobes, and description of the new classes <i>Anaerolineae</i> classis nov. and <i>Caldilineae</i> classis nov. in the bacterial phylum Chloroflexi. <b>2006</b> , 56, 1331-1340	437
1772	Microbial community in black rust exposed to hot ridge flank crustal fluids. <b>2006</b> , 72, 6789-99	76
1771	Population dynamics within a microbial consortium during growth on diesel fuel in saline environments. <b>2006</b> , 72, 3531-42	121
1770	<i>Pelagibaca bermudensis</i> gen. nov., sp. nov., a novel marine bacterium within the Roseobacter clade in the order Rhodobacterales. <b>2006</b> , 56, 855-859	48
1769	Introducing SONS, a tool for operational taxonomic unit-based comparisons of microbial community memberships and structures. <b>2006</b> , 72, 6773-9	216
1768	<i>Massilia aurea</i> sp. nov., isolated from drinking water. <b>2006</b> , 56, 2449-2453	70
1767	Application of a high-density oligonucleotide microarray approach to study bacterial population dynamics during uranium reduction and reoxidation. <b>2006</b> , 72, 6288-98	387
1766	" <i>Candidatus Thiobios zoothamnicoli</i> ," an ectosymbiotic bacterium covering the giant marine ciliate <i>Zoothamnium niveum</i> . <b>2006</b> , 72, 2014-21	61
1765	Phylogenetic diversity of gram-positive bacteria cultured from marine sediments. <b>2007</b> , 73, 3272-82	253
1764	Longitudinal changes in the bacterial community composition of the Danube River: a whole-river approach. <b>2007</b> , 73, 421-31	92
1763	Molecular analysis of human forearm superficial skin bacterial biota. <b>2007</b> , 104, 2927-32	473
1762	<i>Pseudoxanthomonas spadix</i> sp. nov., isolated from oil-contaminated soil. <b>2007</b> , 57, 1823-1827	23
1761	<i>Salsuginibacillus kocurii</i> gen. nov., sp. nov., a moderately halophilic bacterium from soda-lake sediment. <b>2007</b> , 57, 2381-2386	29
1760	Succession of sulfur-oxidizing bacteria in the microbial community on corroding concrete in sewer systems. <b>2007</b> , 73, 971-80	223

1759	<i>Sphingobium olei</i> sp. nov., isolated from oil-contaminated soil. <b>2007</b> , 57, 2613-2617	20
1758	<i>Acidianus sulfidivorans</i> sp. nov., an extremely acidophilic, thermophilic archaeon isolated from a solfatara on Lihir Island, Papua New Guinea, and emendation of the genus description. <b>2007</b> , 57, 1418-1423	62
1757	Multilocus characterization scheme for shiga toxin-encoding bacteriophages. <b>2007</b> , 73, 8032-40	26
1756	Physiological adaptation of a nitrate-storing <i>Beggiatoa</i> sp. to diel cycling in a phototrophic hypersaline mat. <b>2007</b> , 73, 7013-22	31
1755	<i>Sejorgia marina</i> sp. nov., isolated from Antarctic seawater. <b>2007</b> , 57, 2917-2921	15
1754	Microbial community biofabrics in a geothermal mine adit. <b>2007</b> , 73, 6172-80	66
1753	Microbial diversity within early-stage cultured <i>Panulirus ornatus</i> phyllosomas. <b>2007</b> , 73, 1940-51	41
1752	<i>Lentzea kentuckyensis</i> sp. nov., of equine origin. <b>2007</b> , 57, 1780-1783	14
1751	<i>Methylocystis heyeri</i> sp. nov., a novel type II methanotrophic bacterium possessing 'signature' fatty acids of type I methanotrophs. <b>2007</b> , 57, 472-479	101
1750	Deep-sea vent epsilon-proteobacterial genomes provide insights into emergence of pathogens. <b>2007</b> , 104, 12146-50	189
1749	Semiautomated improvement of RNA alignments. <b>2007</b> , 13, 1850-9	32
1748	Diversity and abundance of aerobic and anaerobic methane oxidizers at the Haakon Mosby Mud Volcano, Barents Sea. <b>2007</b> , 73, 3348-62	297
1747	Comparison of aerobic methanotrophic communities in littoral and profundal sediments of Lake Constance by a molecular approach. <b>2007</b> , 73, 4389-94	39
1746	<i>Salirhabdus euzebyi</i> gen. nov., sp. nov., a Gram-positive, halotolerant bacterium isolated from a sea salt evaporation pond. <b>2007</b> , 57, 1566-1571	20
1745	Phylogenetic diversity of archaea and bacteria in the anoxic zone of a meromictic lake (Lake Pavin, France). <b>2007</b> , 73, 2016-9	109
1744	Urban aerosols harbor diverse and dynamic bacterial populations. <b>2007</b> , 104, 299-304	512
1743	Phylogenetic analysis of bacteria preserved in a permafrost ice wedge for 25,000 years. <b>2007</b> , 73, 2360-3	68
1742	<i>Syntrophomonas zehnderi</i> sp. nov., an anaerobe that degrades long-chain fatty acids in co-culture with <i>Methanobacterium formicicum</i> . <b>2007</b> , 57, 609-615	118

1741	Root Interactions with Soil Microbial Communities and Processes. <b>2007</b> , 1-29	27
1740	Quantitative distributions of Epsilonproteobacteria and a Sulfurimonas subgroup in pelagic redoxclines of the central Baltic Sea. <b>2007</b> , 73, 7155-61	54
1739	A fast and flexible approach to oligonucleotide probe design for genomes and gene families. <b>2007</b> , 23, 1195-202	28
1738	Diversity of anaerobic microorganisms involved in long-chain fatty acid degradation in methanogenic sludges as revealed by RNA-based stable isotope probing. <b>2007</b> , 73, 4119-27	76
1737	Insights into the genome of large sulfur bacteria revealed by analysis of single filaments. <b>2007</b> , 5, e230	126
1736	<i>Bacillus decisifrondis</i> sp. nov., isolated from soil underlying decaying leaf foliage. <b>2007</b> , 57, 974-978	18
1735	Effects of abiotic factors on the phylogenetic diversity of bacterial communities in acidic thermal springs. <b>2007</b> , 73, 2612-23	50
1734	Options for In Situ Remediation of Soil Contaminated with a Mixture of Perchlorinated Compounds. <b>2007</b> , 11, 113-124	8
1733	Assessment of the diversity and stability of faecal bacteria from healthy adults using molecular methods. <b>2007</b> , 19, 229-240	11
1732	probeBase--an online resource for rRNA-targeted oligonucleotide probes: new features 2007. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, D800-4	20.1 373
1731	Establishment and development of ruminal hydrogenotrophs in methanogen-free lambs. <b>2007</b> , 73, 6391-403	80
1730	<i>Marinobacterium litorale</i> sp. nov. in the order Oceanospirillales. <b>2007</b> , 57, 1659-1662	32
1729	shift from acetoclastic to H <sub>2</sub> -dependent methanogenesis in a west Siberian peat bog at low pH values and isolation of an acidophilic <i>Methanobacterium</i> strain. <b>2007</b> , 73, 2344-8	154
1728	Uncultivated <i>Tannerella</i> BU045 and BU063 are slim segmented filamentous rods of high prevalence but low abundance in inflammatory disease-associated dental plaques. <b>2007</b> , 153, 3809-3816	29
1727	<i>Puniceicoccus vermicola</i> gen. nov., sp. nov., a novel marine bacterium, and description of Puniceicoccaceae fam. nov., Puniceicoccales ord. nov., Opitutaceae fam. nov., Opitutales ord. nov. and Opitutae classis nov. in the phylum 'Verrucomicrobia'. <b>2007</b> , 57, 532-537	91
1726	High rates of sulfate reduction in a low-sulfate hot spring microbial mat are driven by a low level of diversity of sulfate-respiring microorganisms. <b>2007</b> , 73, 5218-26	38
1725	<i>Bacillus plakortidis</i> sp. nov. and <i>Bacillus murimartini</i> sp. nov., novel alkalitolerant members of rRNA group 6. <b>2007</b> , 57, 2888-2893	22
1724	<i>Ignicoccus hospitalis</i> sp. nov., the host of 'Nanoarchaeum equitans'. <b>2007</b> , 57, 803-808	77

1723	Diversity and metabolism of marine bacteria cultivated on dissolved DNA. <b>2007</b> , 73, 2799-805	45
1722	Microbial communities involved in anaerobic degradation of unsaturated or saturated long-chain fatty acids. <b>2007</b> , 73, 1054-64	86
1721	Long-term maintenance of species-specific bacterial microbiota in the basal metazoan Hydra. <b>2007</b> , 104, 13146-51	247
1720	Isolation and characterization of bacteria capable of tolerating the extreme conditions of clean room environments. <b>2007</b> , 73, 2600-11	165
1719	Characterization of strong promoters from an environmental <i>Flavobacterium hibernum</i> strain by using a green fluorescent protein-based reporter system. <b>2007</b> , 73, 1089-100	38
1718	Short-tailed stx phages exploit the conserved YaeT protein to disseminate Shiga toxin genes among enterobacteria. <b>2007</b> , 189, 7223-33	51
1717	Diversity and function of <i>Chloroflexus</i> -like bacteria in a hypersaline microbial mat: phylogenetic characterization and impact on aerobic respiration. <b>2007</b> , 73, 3975-83	26
1716	Correlation of functional instability and community dynamics in denitrifying dispersed-growth reactors. <b>2007</b> , 73, 680-90	44
1715	<i>Schlesneria paludicola</i> gen. nov., sp. nov., the first acidophilic member of the order Planctomycetales, from Sphagnum-dominated boreal wetlands. <b>2007</b> , 57, 2680-2687	74
1714	<i>Methylibium aquaticum</i> sp. nov., a betaproteobacterium isolated from a eutrophic freshwater pond. <b>2007</b> , 57, 2125-2128	15
1713	Cellular identification of a novel uncultured marine stramenopile (MAST-12 Clade) small-subunit rRNA gene sequence from a norwegian estuary by use of fluorescence in situ hybridization-scanning electron microscopy. <b>2007</b> , 73, 2718-26	40
1712	Structure and function of the microbial community in a full-scale enhanced biological phosphorus removal plant. <b>2007</b> , 153, 4061-4073	139
1711	Performance of the translational apparatus varies with the ecological strategies of bacteria. <b>2007</b> , 189, 3237-45	64
1710	Identification of acetate-assimilating microorganisms under methanogenic conditions in anoxic rice field soil by comparative stable isotope probing of RNA. <b>2007</b> , 73, 101-9	75
1709	<i>Thalassococcus halodurans</i> gen. nov., sp. nov., a novel halotolerant member of the Roseobacter clade isolated from the marine sponge <i>Halichondria panicea</i> at Friday Harbor, USA. <b>2007</b> , 57, 1919-1924	15
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1707	Biogenic mineral production by a novel arsenic-metabolizing thermophilic bacterium from the Alvord Basin, Oregon. <b>2007</b> , 73, 5928-36	31
1706	Quantitative multiplexing analysis of PCR-amplified ribosomal RNA genes by hierarchical oligonucleotide primer extension reaction. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, e82	20.1 26



1705	Enigmatic dual symbiosis in the excretory organ of <i>Nautilus macromphalus</i> (Cephalopoda: Nautiloidea). <b>2007</b> , 274, 1143-52	13
1704	Molecular microbial community structure of the Regenerative Enclosed Life Support Module Simulator air system. <b>2007</b> , 6, 131-145	17
1703	Identification and cultivation of anaerobic, syntrophic long-chain fatty acid-degrading microbes from mesophilic and thermophilic methanogenic sludges. <b>2007</b> , 73, 1332-40	79
1702	<i>Bacillus chagannorensis</i> sp. nov., a moderate halophile from a soda lake in Inner Mongolia, China. <b>2007</b> , 57, 2084-2088	40
1701	Distribution and diversity of archaeal ammonia monooxygenase genes associated with corals. <b>2007</b> , 73, 5642-7	92
1700	Incubation of environmental samples in a diffusion chamber increases the diversity of recovered isolates. <b>2007</b> , 73, 6386-90	187
1699	The termite group I phylum is highly diverse and widespread in the environment. <b>2007</b> , 73, 6682-5	38
1698	<i>Howardella ureilytica</i> gen. nov., sp. nov., a Gram-positive, coccoid-shaped bacterium from a sheep rumen. <b>2007</b> , 57, 2940-2945	15
1697	<i>Ochrobactrum haematophilum</i> sp. nov. and <i>Ochrobactrum pseudogrignonense</i> sp. nov., isolated from human clinical specimens. <b>2007</b> , 57, 2513-2518	44
1696	Evolutionary relationships of " <i>Candidatus Riesia</i> spp.," endosymbiotic enterobacteriaceae living within hematophagous primate lice. <b>2007</b> , 73, 1659-64	68
1695	<i>Lysobacter defluvii</i> sp. nov., isolated from municipal solid waste. <b>2007</b> , 57, 1131-1136	59
1694	WASABI: an automated sequence processing system for multigene phylogenies. <b>2007</b> , 56, 523-31	19
1693	Proposal of <i>Umezawaea</i> gen. nov., a new genus of the Actinosynnemataceae related to <i>Saccharothrix</i> , and transfer of <i>Saccharothrix tangerinus</i> Kinoshita et al. 2000 as <i>Umezawaea tangerina</i> gen. nov., comb. nov. <b>2007</b> , 57, 2758-2761	26
1692	Phylogenetic and Physiological Diversity of Cultured Deep-Biosphere Bacteria from Equatorial Pacific Ocean and Peru Margin Sediments. <b>2007</b> , 24, 261-273	73
1691	Sulfur-oxidizing bacteria in Soap Lake (Washington State), a meromictic, haloalkaline lake with an unprecedented high sulfide content. <b>2007</b> , 73, 451-5	37
1690	<i>Williamsia serinedens</i> sp. nov., isolated from an oil-contaminated soil. <b>2007</b> , 57, 558-561	24
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1688	Vertical transmission of a phylogenetically complex microbial consortium in the viviparous sponge <i>Ircinia felix</i> . <b>2007</b> , 73, 2067-78	107



1687	<i>Gordonia malaquae</i> sp. nov., isolated from sludge of a wastewater treatment plant. <b>2007</b> , 57, 1065-1068	20
1686	The motility symbiont of the termite gut flagellate <i>Caduceia versatilis</i> is a member of the "Synergistes" group. <b>2007</b> , 73, 6270-6	48
1685	PhylArray: phylogenetic probe design algorithm for microarray. <b>2007</b> , 23, 2550-7	29
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1683	Proposed minimal standards for the description of genera, species and subspecies of the Pasteurellaceae. <b>2007</b> , 57, 166-178	94
1682	<i>Reinekea blandensis</i> sp. nov., a marine, genome-sequenced gammaproteobacterium. <b>2007</b> , 57, 2370-2375	16
1681	<i>Ruegeria pelagia</i> sp. nov., isolated from the Sargasso Sea, Atlantic Ocean. <b>2007</b> , 57, 1815-1818	30
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1678	<i>Aquisalimonas asiatica</i> gen. nov., sp. nov., a moderately halophilic bacterium isolated from an alkaline, saline lake in Inner Mongolia, China. <b>2007</b> , 57, 1137-1142	21
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1676	Hierarchical probes at various taxonomic levels in the Haptophyta and a new division level probe for the Heterokonta. <b>2007</b> , 29, 629-640	21
1675	Succession and diel transcriptional response of the glycolate-utilizing component of the bacterial community during a spring phytoplankton bloom. <b>2007</b> , 73, 2440-50	33
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1673	<i>Lutimonas vermicola</i> gen. nov., sp. nov., a member of the family Flavobacteriaceae isolated from the marine polychaete <i>Periserrula leucophryna</i> . <b>2007</b> , 57, 1679-1684	21
1672	<i>Ulvibacter antarcticus</i> sp. nov., isolated from Antarctic coastal seawater. <b>2007</b> , 57, 2922-2925	12
1671	Proposal of <i>Viridibacillus</i> gen. nov. and reclassification of <i>Bacillus arvi</i> , <i>Bacillus arenosi</i> and <i>Bacillus neidei</i> as <i>Viridibacillus arvi</i> gen. nov., comb. nov., <i>Viridibacillus arenosi</i> comb. nov. and <i>Viridibacillus neidei</i> comb. nov. <b>2007</b> , 57, 2729-2737	52
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1669	Sulfate Requirement for the Growth of U(VI)-Reducing Bacteria in an Ethanol-Fed Enrichment. <b>2007</b> , 11, 21-32	8
1668	Characterization of a marine gammaproteobacterium capable of aerobic anoxygenic photosynthesis. <b>2007</b> , 104, 2891-6	111
1667	Molecular identification of bacteria in bronchoalveolar lavage fluid from children with cystic fibrosis. <b>2007</b> , 104, 20529-33	306
1666	<i>Stenoxybacter acetivorans</i> gen. nov., sp. nov., an acetate-oxidizing obligate microaerophile among diverse O <sub>2</sub> -consuming bacteria from termite guts. <b>2007</b> , 73, 6819-28	27
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1658	<i>Halorubrum ejinorensis</i> sp. nov., isolated from Lake Ejnor, Inner Mongolia, China. <b>2007</b> , 57, 2538-2542	18
1657	<i>Robiginitomaculum antarcticum</i> gen. nov., sp. nov., a member of the family Hyphomonadaceae, from Antarctic seawater. <b>2007</b> , 57, 2595-2599	31
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1652	Filamentous scum bacteria in activated sludge plants: detection and identification quality by conventional activated sludge microscopy versus fluorescence in situ hybridization. <b>2007</b> , 79, 2274-86	11

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1624	Oil field souring control by nitrate-reducing <i>Sulfurospirillum</i> spp. that outcompete sulfate-reducing bacteria for organic electron donors. <b>2007</b> , 73, 2644-52	227
1623	<i>Bellilinea caldifistulae</i> gen. nov., sp. nov. and <i>Longilinea arvoryzae</i> gen. nov., sp. nov., strictly anaerobic, filamentous bacteria of the phylum Chloroflexi isolated from methanogenic propionate-degrading consortia. <b>2007</b> , 57, 2299-2306	246
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1392	Characterization of <i>Colletotrichum</i> Species Causing Strawberry Anthracnose in Bulgaria. <b>2008</b> , 156, 668-677	11
1391	Responses of aerobic microbial communities and soil respiration to water-level drawdown in a northern boreal fen. <b>2008</b> , 10, 339-53	89
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1099	Comparison of effects of compost amendment and of single-strain inoculation on root bacterial communities of young cucumber seedlings. <b>2009</b> , 75, 6441-50	20
1098	<i>Zavarzinella formosa</i> gen. nov., sp. nov., a novel stalked, Gemmata-like planctomycete from a Siberian peat bog. <b>2009</b> , 59, 357-64	67
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1095	<i>Demequina lutea</i> sp. nov., isolated from a high Arctic permafrost soil. <b>2009</b> , 59, 649-53	16
1094	Cultivation of anaerobic and facultatively anaerobic bacteria from spacecraft-associated clean rooms. <b>2009</b> , 75, 3484-91	78

1093	Halomonas ilicicola sp. nov., a moderately halophilic bacterium isolated from a saltern. <b>2009</b> , 59, 578-82	29
1092	Assessment of the diversity, abundance, and ecological distribution of members of candidate division SR1 reveals a high level of phylogenetic diversity but limited morphotypic diversity. <b>2009</b> , 75, 4139-48	37
1091	Diets enriched in oat bran or wheat bran temporally and differentially alter the composition of the fecal community of rats. <b>2009</b> , 139, 2024-31	51
1090	Ectothiorhodospira variabilis sp. nov., an alkaliphilic and halophilic purple sulfur bacterium from soda lakes. <b>2009</b> , 59, 658-64	33
1089	Empirical testing of 16S rRNA gene PCR primer pairs reveals variance in target specificity and efficacy not suggested by in silico analysis. <b>2009</b> , 75, 2677-83	72
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1086	Evaluation of swine-specific PCR assays used for fecal source tracking and analysis of molecular diversity of swine-specific "bacteroidales" populations. <b>2009</b> , 75, 5787-96	40
1085	Piscibacillus halophilus sp. nov., a moderately halophilic bacterium from a hypersaline Iranian lake. <b>2009</b> , 59, 3095-9	14
1084	Psychrobacter lutiphocae sp. nov., isolated from the faeces of a seal. <b>2009</b> , 59, 2049-53	14
1083	Luteibacter anthropi sp. nov., isolated from human blood, and reclassification of Dyella yejuensis Kim et al. 2006 as Luteibacter yejuensis comb. nov. <b>2009</b> , 59, 2884-7	13
1082	Thiohalocapsa marina sp. nov., from an Indian marine aquaculture pond. <b>2009</b> , 59, 2333-8	8
1081	Comprehensive census of bacteria in clean rooms by using DNA microarray and cloning methods. <b>2009</b> , 75, 6559-67	74
1080	Robinsoniella peoriensis gen. nov., sp. nov., isolated from a swine-manure storage pit and a human clinical source. <b>2009</b> , 59, 150-5	53
1079	Transfer of Teichococcus ludipueritiae and Muricoccus roseus to the genus Roseomonas, as Roseomonas ludipueritiae comb. nov. and Roseomonas rosea comb. nov., respectively, and emended description of the genus Roseomonas. <b>2009</b> , 59, 1193-8	38
1078	Abundance and activity of methanotrophic bacteria in littoral and profundal sediments of lake constance (Germany). <b>2009</b> , 75, 119-26	69
1077	Description of 'Synergistetes' phyl. nov. and emended description of the phylum 'Deferribacteres' and of the family Syntrophomonadaceae, phylum 'Firmicutes'. <b>2009</b> , 59, 1028-35	114
1076	Alteration of the ileal microbiota of weanling piglets by the growth-promoting antibiotic chlortetracycline. <b>2009</b> , 75, 5489-95	67

1075	<i>Corynebacterium ulceribovis</i> sp. nov., isolated from the skin of the udder of a cow with a profound ulceration. <b>2009</b> , 59, 34-7	8
1074	Molecular biological detection and quantification of novel <i>Fibrobacter</i> populations in freshwater lakes. <b>2009</b> , 75, 5148-52	18
1073	Defining DNA-based operational taxonomic units for microbial-eukaryote ecology. <b>2009</b> , 75, 5797-808	152
1072	<i>Ferrimicrobium acidiphilum</i> gen. nov., sp. nov. and <i>Ferritrix thermotolerans</i> gen. nov., sp. nov.: heterotrophic, iron-oxidizing, extremely acidophilic actinobacteria. <b>2009</b> , 59, 1082-9	129
1071	<i>Methanosphaerula palustris</i> gen. nov., sp. nov., a hydrogenotrophic methanogen isolated from a minerotrophic fen peatland. <b>2009</b> , 59, 928-35	80
1070	Diatom plastids depend on nucleotide import from the cytosol. <b>2009</b> , 106, 3621-6	68
1069	Differences in the activity and bacterial community structure of drained grassland and forest peat soils. <b>2009</b> , 41, 1874-1881	43
1068	Response of fungal and actinobacterial communities to water-level drawdown in boreal peatland sites. <b>2009</b> , 41, 1902-1914	53
1067	Phylogenetic diversity of sediment bacteria from the southern Cretan margin, Eastern Mediterranean Sea. <b>2009</b> , 32, 17-26	60
1066	Detection and persistence of fecal Bacteroidales as water quality indicators in unchlorinated drinking water. <b>2009</b> , 32, 362-70	12
1065	Biogeography and phylogeny of the NOR5/OM60 clade of Gammaproteobacteria. <b>2009</b> , 32, 124-39	60
1064	Fluorescence in situ hybridization for intracellular localization of <i>nifH</i> mRNA. <b>2009</b> , 32, 186-92	25
1063	Molecular diversity of <i>Bacteroides</i> spp. in human fecal microbiota as determined by group-specific 16S rRNA gene clone library analysis. <b>2009</b> , 32, 193-200	18
1062	<i>Meiothermus rufus</i> sp. nov., a new slightly thermophilic red-pigmented species and emended description of the genus <i>Meiothermus</i> . <b>2009</b> , 32, 306-13	24
1061	Probing the archaeal diversity of a mixed thermophilic bioleaching culture by TGGE and FISH. <b>2009</b> , 32, 501-13	10
1060	Description of <i>Idiomarina insulisalsae</i> sp. nov., isolated from the soil of a sea salt evaporation pond, proposal to transfer the species of the genus <i>Pseudidiomarina</i> to the genus <i>Idiomarina</i> and emended description of the genus <i>Idiomarina</i> . <b>2009</b> , 32, 371-8	31
1059	<i>Candidatus Monilibacter</i> spp., common bulking filaments in activated sludge, are members of Cluster III <i>Defluviicoccus</i> . <b>2009</b> , 32, 480-9	34
1058	" <i>Candidatus Paraholospora nucleivisitans</i> ", an intracellular bacterium in <i>Paramecium sexaurelia</i> shuttles between the cytoplasm and the nucleus of its host. <b>2009</b> , 32, 490-500	28

1057	Water column anammox and denitrification in a temperate permanently stratified lake (Lake Rassnitzer, Germany). <b>2009</b> , 32, 571-82	78
1056	Detection of spatial fluctuations of non-point source fecal pollution in coral reef surrounding waters in southwestern Puerto Rico using PCR-based assays. <b>2009</b> , 58, 45-54	39
1055	Complex coevolutionary history of symbiotic Bacteroidales bacteria of various protists in the gut of termites. <b>2009</b> , 9, 158	45
1054	Adaptability of lactic acid bacteria and yeasts to sourdoughs prepared from cereals, pseudocereals and cassava and use of competitive strains as starters. <b>2009</b> , 130, 205-12	133
1053	Diversity of antibiotic-active bacteria associated with the brown alga <i>Laminaria saccharina</i> from the Baltic Sea. <b>2009</b> , 11, 287-300	120
1052	Protistan community patterns within the brine and halocline of deep hypersaline anoxic basins in the eastern Mediterranean Sea. <b>2009</b> , 13, 151-67	81
1051	<i>Desulfonauticus autotrophicus</i> sp. nov., a novel thermophilic sulfate-reducing bacterium isolated from oil-production water and emended description of the genus <i>Desulfonauticus</i> . <b>2009</b> , 13, 247-55	23
1050	Microbiology and geochemistry of great boiling and mud hot springs in the United States Great Basin. <b>2009</b> , 13, 447-59	131
1049	<i>Thermovorax subterraneus</i> , gen. nov., sp. nov., a thermophilic hydrogen-producing bacterium isolated from geothermally active underground mine. <b>2009</b> , 13, 505-10	10
1048	Biogenic methane production in formation waters from a large gas field in the North Sea. <b>2009</b> , 13, 511-9	72
1047	Occurrence of <i>Halococcus</i> spp. in the nostrils salt glands of the seabird <i>Calonectris diomedea</i> . <b>2009</b> , 13, 557-65	30
1046	Characterization of halophiles isolated from solar salterns in Baja California, Mexico. <b>2009</b> , 13, 643-56	41
1045	Microbial activity and diversity during extreme freeze-thaw cycles in periglacial soils, 5400 m elevation, Cordillera Vilcanota, Peru. <b>2009</b> , 13, 807-16	61
1044	Isolation and characterization of a new CO-utilizing strain, <i>Thermoanaerobacter thermohydrosulfuricus</i> subsp. <i>carboxydovorans</i> , isolated from a geothermal spring in Turkey. <b>2009</b> , 13, 885-94	19
1043	Detection of hemolytic bacteria from <i>Palythoa caribaeorum</i> (Cnidaria, Zoantharia) using a novel palytoxin-screening assay. <b>2009</b> , 96, 405-11	31
1042	Description of <i>Tessaracoccus profundus</i> sp. nov., a deep-subsurface actinobacterium isolated from a Chesapeake impact crater drill core (940 m depth). <b>2009</b> , 96, 515-26	17
1041	Microbial methane oxidation and sulfate reduction at cold seeps of the deep Eastern Mediterranean Sea. <b>2009</b> , 261, 114-127	61
1040	Seasonal changes in bacterial diversity in the Salton Sea. <b>2009</b> , 632, 49-64	35

1039	Isolation of a <i>Xanthobacter</i> sp. degrading dichloromethane and characterization of the gene involved in the degradation. <b>2009</b> , 20, 235-44	14
1038	Design and development of a DNA microarray for rapid identification of multiple European quarantine phytopathogenic bacteria. <b>2009</b> , 125, 413-423	13
1037	Isothermal DNA amplification facilitates the identification of a broad spectrum of bacteria, fungi and protozoa in <i>Eleutherococcus</i> sp. plant tissue cultures. <b>2009</b> , 98, 35-45	19
1036	Stimulation of bacterial DNA transformation by cattle saliva: implications for using genetically modified plants in animal feed. <b>2009</b> , 25, 457-463	2
1035	<i>Antarcticimonas flava</i> gen. nov., sp. nov., isolated from Antarctic coastal seawater. <b>2009</b> , 47, 517-23	10
1034	Atypical one-carbon metabolism of an acetogenic and hydrogenogenic <i>Moorella thermoacetica</i> strain. <b>2009</b> , 191, 123-31	21
1033	Evaluation of the 18S rRNA clone library approach to study the diversity of the macroeukaryotic leaf-epiphytic community of the seagrass <i>Posidonia oceanica</i> (L.) Delile. <b>2009</b> , 156, 1963-1976	4
1032	Oxygen and guanine-cytosine profiles in marine environments. <b>2009</b> , 69, 203-6	16
1031	High diversity of diazotrophs in the forefield of a receding alpine glacier. <b>2009</b> , 57, 179-90	110
1030	Structural and functional changes with depth in microbial communities in a tropical Malaysian peat swamp forest. <b>2009</b> , 57, 402-12	76
1029	Bacterial diversity of a consortium degrading high-molecular-weight polycyclic aromatic hydrocarbons in a two-liquid phase biosystem. <b>2009</b> , 57, 455-68	62
1028	Bacterial succession within an ephemeral hypereutrophic Mojave Desert playa Lake. <b>2009</b> , 57, 307-20	32
1027	Application of COMPOCHIP microarray to investigate the bacterial communities of different composts. <b>2009</b> , 57, 510-21	73
1026	Molecular characterization of an endolithic microbial community in dolomite rock in the central Alps (Switzerland). <b>2009</b> , 58, 290-306	60
1025	Distribution and abundance of nontoxic mutants of cyanobacteria in lakes of the Alps. <b>2009</b> , 58, 323-33	37
1024	Population dynamics of a single-stage sulfidogenic bioreactor treating synthetic zinc-containing waste streams. <b>2009</b> , 58, 529-37	11
1023	Habitat heterogeneity and associated microbial community structure in a small-scale floodplain hyporheic flow path. <b>2009</b> , 58, 611-20	29
1022	Genetic diversity of eukaryotic plankton assemblages in Eastern Tibetan Lakes differing by their salinity and altitude. <b>2009</b> , 58, 569-81	45

1021	Biological characterisation of <i>Haliclona</i> (?gellius) sp.: sponge and associated microorganisms. <b>2009</b> , 58, 903-20	39
1020	Composition of archaeal community in a paddy field as affected by rice cultivar and N fertilizer. <b>2009</b> , 58, 819-26	48
1019	A putative azoreductase gene is involved in the <i>Shewanella oneidensis</i> response to heavy metal stress. <b>2009</b> , 82, 1131-41	30
1018	Community analysis of betaproteobacterial ammonia-oxidizing bacteria using the amoCAB operon. <b>2009</b> , 83, 175-88	13
1017	Citric acid wastewater as electron donor for biological sulfate reduction. <b>2009</b> , 83, 957-63	24
1016	Long-term performance and microbial community analysis of a full-scale synthesis gas fed reactor treating sulfate- and zinc-rich wastewater. <b>2009</b> , 84, 555-63	17
1015	Achievements and new knowledge unraveled by metagenomic approaches. <b>2009</b> , 85, 265-76	148
1014	Speleothems from Mawsmal and Krem Phyllut caves, Meghalaya, India: some evidences on biogenic activities. <b>2009</b> , 57, 1169	27
1013	An efficient RNA extraction method for estimating gut microbial diversity by polymerase chain reaction. <b>2009</b> , 58, 464-71	37
1012	<i>Marinobacterium marisflavi</i> sp. nov., isolated from a costal seawater. <b>2009</b> , 58, 511-5	10
1011	Environmental DNA sequencing primers for eutardigrades and bdelloid rotifers. <b>2009</b> , 9, 25	17
1010	Diversity of <i>Ralstonia solanacearum</i> causing potato bacterial wilt in Iran and the first record of phylotype II/biovar 2T strains outside South America. <b>2009</b> , 58, 243-249	24
1009	The structure of the bacterial and archaeal community in a biogas digester as revealed by denaturing gradient gel electrophoresis and 16S rDNA sequencing analysis. <b>2009</b> , 106, 952-66	117
1008	Structural and functional responses of sewage microbial communities used for the treatment of a complex mixture of volatile organic compounds (VOCs). <b>2009</b> , 107, 85-96	21
1007	Occurrence of ammonia-oxidizing Archaea in activated sludges of a laboratory scale reactor and two wastewater treatment plants. <b>2009</b> , 107, 970-7	84
1006	<i>Polaromonas</i> and <i>Hydrogenophaga</i> species are the predominant bacteria cultured from granular activated carbon filters in water treatment. <b>2009</b> , 107, 1457-67	51
1005	Isolation of a novel strain of <i>Bacillus pumilus</i> from penaeid shrimp that is inhibitory against marine pathogens. <b>2009</b> , 32, 1007-16	35
1004	Cospeciation of termite gut flagellates and their bacterial endosymbionts: <i>Trichonympha</i> species and 'Candidatus Endomicrobium trichonymphae'. <b>2009</b> , 18, 332-42	86

1003	Microbial biodiversity in groundwater ecosystems. <b>2009</b> , 54, 649-677	346
1002	Determining the specific microbial populations and their spatial distribution within the stromatolite ecosystem of Shark Bay. <b>2009</b> , 3, 383-96	95
1001	Seasonal dynamics of SAR11 populations in the euphotic and mesopelagic zones of the northwestern Sargasso Sea. <b>2009</b> , 3, 283-95	199
1000	A comprehensive survey of soil acidobacterial diversity using pyrosequencing and clone library analyses. <b>2009</b> , 3, 442-53	727
999	Molecular and morphological characterization of cyanobacterial diversity in the stromatolites of Highborne Cay, Bahamas. <b>2009</b> , 3, 573-87	87
998	Transport functions dominate the SAR11 metaproteome at low-nutrient extremes in the Sargasso Sea. <b>2009</b> , 3, 93-105	235
997	Prokaryotic diversity, distribution, and insights into their role in biogeochemical cycling in marine basalts. <b>2009</b> , 3, 231-42	118
996	Actinorhodopsin genes discovered in diverse freshwater habitats and among cultivated freshwater Actinobacteria. <b>2009</b> , 3, 726-37	95
995	Towards the definition of a core of microorganisms involved in anaerobic digestion of sludge. <b>2009</b> , 3, 700-14	584
994	Biogeography of two cold-adapted genera: Psychrobacter and Exiguobacterium. <b>2009</b> , 3, 658-65	69
993	The onset of microbial associations in the coral Pocillopora meandrina. <b>2009</b> , 3, 685-99	108
992	A novel symbiosis between chemoautotrophic bacteria and a freshwater cave amphipod. <b>2009</b> , 3, 935-43	81
991	Quantitative detection of culturable methanogenic archaea abundance in anaerobic treatment systems using the sequence-specific rRNA cleavage method. <b>2009</b> , 3, 522-35	31
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987	Comparison of rhizobacterial community composition in soil suppressive or conducive to tobacco black root rot disease. <b>2009</b> , 3, 1127-38	130
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979	Changes in soil Acidobacteria communities after 2,4,6-trinitrotoluene contamination. <b>2009</b> , 296, 159-66	36
978	Development of 16S rRNA gene-targeted primers for detection of archaeal anaerobic methanotrophs (ANMEs). <b>2009</b> , 297, 31-7	46
977	A nested PCR approach for improved recovery of archaeal 16S rRNA gene fragments from freshwater samples. <b>2009</b> , 298, 193-8	43
976	Survey and phylogenetic analysis of culturable microbes in the oral secretions of three bark beetle species. <b>2009</b> , 131, 138-147	23
975	Molecular characterization and in situ quantification of anoxic arsenite-oxidizing denitrifying enrichment cultures. <b>2009</b> , 68, 72-85	45
974	Exploration of hitherto-uncultured bacteria from the rhizosphere. <b>2009</b> , 69, 313-28	77
973	Diversity and activity of methanotrophs in alkaline soil from a Chinese coal mine. <b>2009</b> , 70, 40-51	51
972	Vertical distribution of metabolically active eukaryotes in the water column and sediments of the Black Sea. <b>2009</b> , 70, 525-39	19
971	A strictly anaerobic betaproteobacterium Georgfuchsia toluolica gen. nov., sp. nov. degrades aromatic compounds with Fe(III), Mn(IV) or nitrate as an electron acceptor. <b>2009</b> , 70, 575-85	91
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968	The diversity and abundance of bacteria inhabiting seafloor lavas positively correlate with rock alteration. <b>2009</b> , 11, 86-98	72



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958	Linking phylogenetic identities of bacteria to starch fermentation in an in vitro model of the large intestine by RNA-based stable isotope probing. <b>2009</b> , 11, 914-26	143
957	The phylogeography of Adelie penguin faecal flora. <b>2009</b> , 11, 577-88	56
956	Transcriptional activity of paddy soil bacterial communities. <b>2009</b> , 11, 960-70	66
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953	Soil CO <sub>2</sub> flux and photoautotrophic community composition in high-elevation, 'barren' soil. <b>2009</b> , 11, 674-86	65
952	Widespread occurrence of an intranuclear bacterial parasite in vent and seep bathymodiolin mussels. <b>2009</b> , 11, 1150-67	57
951	Effect of PCR amplicon size on assessments of clone library microbial diversity and community structure. <b>2009</b> , 11, 1292-302	122
950	Microbial biodiversity of thermophilic communities in hot mineral soils of Tramway Ridge, Mount Erebus, Antarctica. <b>2009</b> , 11, 715-28	80

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945	A high-throughput and quantitative hierarchical oligonucleotide primer extension (HOPE)-based approach to identify sources of faecal contamination in water bodies. <b>2009</b> , 11, 1672-81	21
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927	Microbial diversity in modern marine stromatolites, Highborne Cay, Bahamas. <b>2009</b> , 11, 2710-9	78
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918	Metabolic responses of novel cellulolytic and saccharolytic agricultural soil Bacteria to oxygen. <b>2010</b> , 12, 845-61	110
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914	ELLIPTOCHLORIS MARINA SP. NOV. (TREBOUXIOPHYCEAE, CHLOROPHYTA), SYMBIOTIC GREEN ALGA OF THE TEMPERATE PACIFIC SEA ANEMONES ANTHOPLEURA XANTHOGRAMMICA AND A. ELEGANTISSIMA (ANTHOZOA, CNIDARIA)(1). <b>2009</b> , 45, 1127-35	34

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911	Molecular ecology of a facultative swine waste lagoon. <b>2009</b> , 48, 486-92	13
910	Identification and phylogeny of eukaryotic 18S rDNA phylotypes detected in chlorinated finished drinking water samples from three Parisian surface water treatment plants. <b>2009</b> , 49, 589-95	27
909	Fatty acid metabolism in the ectomycorrhizal fungus <i>Laccaria bicolor</i> . <b>2009</b> , 182, 950-964	24
908	DNA-based species level detection of Glomeromycota: one PCR primer set for all arbuscular mycorrhizal fungi. <b>2009</b> , 183, 212-223	300
907	Rhizosphere bacterial communities associated with disease suppressiveness stages of take-all decline in wheat monoculture. <b>2009</b> , 184, 694-707	115
906	Microbial degradation of water miscible metal working fluids. <b>2009</b> , 63, 1023-1029	54
905	Characterization of microbial pathogens by DNA microarrays. <b>2009</b> , 9, 987-95	18
904	Prokaryotic community structure and sulfate reducer activity in water from high-temperature oil reservoirs with and without nitrate treatment. <b>2009</b> , 75, 7086-96	158
903	Effects of salinity and nutrients on microbial assemblages in Louisiana wetland sediments. <b>2009</b> , 29, 277-287	60
902	Changes in faecal bacteria associated with concentrate and forage-only diets fed to horses in training. <b>2009</b> , 41, 908-14	96
901	Variability in Microbial Communities in Black Smoker Chimneys at the NW Caldera Vent Field, Brothers Volcano, Kermadec Arc. <b>2009</b> , 26, 552-569	40
900	Diversity of Culturable Bacteria, from the Anaerobic Zone of the Meromictic Lake Pavin, Able to Perform Dissimilatory-Iron Reduction in Different in Vitro Conditions. <b>2009</b> , 26, 212-223	26
899	Fumarole-supported islands of biodiversity within a hyperarid, high-elevation landscape on Socompa Volcano, Puna de Atacama, Andes. <b>2009</b> , 75, 735-47	120
898	<i>Azospirillum picis</i> sp. nov., isolated from discarded tar. <b>2009</b> , 59, 761-5	39
897	<i>Nocardiopsis potens</i> sp. nov., isolated from household waste. <b>2009</b> , 59, 2729-33	11
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895	Streptomyces axinellae sp. nov., isolated from the Mediterranean sponge Axinella polypoides (Porifera). <b>2009</b> , 59, 1433-7	22
894	Automated nucleic biosensors - a key to high resolution monitoring of marine phytoplankton. <b>2009</b> ,	2
893	Trends in Fishery Genetics. <b>2009</b> , 453-493	11
892	Population dynamics of iron-oxidizing communities in pilot plants for the treatment of acid mine waters. <b>2009</b> , 43, 6138-44	67
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890	Diversity of 16S-rRNA and nifH genes derived from rhizosphere soil and roots of an endemic drought tolerant grass, Lasiurus sindicus. <b>2009</b> , 45, 114-122	66
889	Isolation, partial identification and application of diazotrophic rhizobacteria from traditional Indian rice cultivars. <b>2009</b> , 45, 62-72	47
888	Search of environmental descriptors to explain the variability of the bacterial diversity from maize rhizospheres across a regional scale. <b>2009</b> , 45, 383-393	29
887	DNA and lipid molecular stratigraphic records of haptophyte succession in the Black Sea during the Holocene. <b>2009</b> , 284, 610-621	69
886	Development of batch-culture enrichment coupled to molecular detection for screening of natural and man-made environments in search of anammox bacteria for N-removal bioreactors systems. <b>2009</b> , 75, 169-79	37
885	Autotrophic denitrification in nitrate-induced marine sediment remediation and Sulfurimonas denitrificans-like bacteria. <b>2009</b> , 76, 677-82	63
884	Atrazine and terbuthylazine mineralization by an Arthrobacter sp. isolated from a sugarcane-cultivated soil in Kenya. <b>2009</b> , 77, 534-9	51
883	Fluxes and distribution of tetraether lipids in an equatorial African lake: Constraints on the application of the TEX86 palaeothermometer and BIT index in lacustrine settings. <b>2009</b> , 73, 4232-4249	215
882	Evidence for a plant-associated natural habitat for Cronobacter spp. <b>2009</b> , 160, 608-14	96
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880	Selective recovery of nickel over iron from a nickel-iron solution using microbial sulfate reduction in a gas-lift bioreactor. <b>2009</b> , 43, 853-61	43
879	Characterization of geochemical constituents and bacterial populations associated with As mobilization in deep and shallow tube wells in Bangladesh. <b>2009</b> , 43, 1720-30	69
878	Focused-Pulsed sludge pre-treatment increases the bacterial diversity and relative abundance of acetoclastic methanogens in a full-scale anaerobic digester. <b>2009</b> , 43, 4517-26	112

877	Rapid identification of beta-hemolytic streptococci by fluorescence in situ hybridization (FISH). <b>2009</b> , 299, 421-6	7
876	Microbial changes in periodontitis successfully treated by mechanical plaque removal and systemic amoxicillin and metronidazole. <b>2009</b> , 299, 427-38	27
875	An improved isolation method for attached-living Planctomycetes of the genus Rhodopirellula. <b>2009</b> , 77, 276-84	54
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873	Design and development of the ANAEROCHIP microarray for investigation of methanogenic communities. <b>2009</b> , 79, 279-88	43
872	Opportunistic pathogens enriched in showerhead biofilms. <b>2009</b> , 106, 16393-9	396
871	The occupant as a source of house dust bacteria. <b>2009</b> , 124, 834-40.e47	143
870	Metagenomic pyrosequencing and microbial identification. <b>2009</b> , 55, 856-66	394
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866	Phylogenetic diversity and metabolic potential revealed in a glacier ice metagenome. <b>2009</b> , 75, 7519-26	169
865	Thalassobacillus cyri sp. nov., a moderately halophilic Gram-positive bacterium from a hypersaline lake. <b>2009</b> , 59, 2565-70	13
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863	Enrichment of a mixed bacterial culture with a high polyhydroxyalkanoate storage capacity. <b>2009</b> , 10, 670-6	287
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860	Community-wide analysis of microbial genome sequence signatures. <b>2009</b> , 10, R85	396

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854	Endophytic colonization of potato ( <i>Solanum tuberosum</i> L.) by a novel competent bacterial endophyte, <i>Pseudomonas putida</i> strain P9, and its effect on associated bacterial communities. <b>2009</b> , 75, 3396-406	81
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852	Molecular characterization of bacteriophages for microbial source tracking in Korea. <b>2009</b> , 75, 7107-14	32
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850	The ultramicrobacterium " <i>Elusimicrobium minutum</i> " gen. nov., sp. nov., the first cultivated representative of the termite group 1 phylum. <b>2009</b> , 75, 2831-40	102
849	Succession of bacterial populations during plant residue decomposition in rice field soil. <b>2009</b> , 75, 4879-86	150
848	Iron Oxides Influence Bacterial Community Structure and the Spatial Distribution of the Aerobic Methanotrophs and Sulphate Reducers in Granitic Aquifers. <b>2009</b> , 26, 415-429	5
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844	Bacterial Variability within an Iron-Silica-Manganese-rich Hydrothermal Mound Located Off-axis at the Cleft Segment, Juan de Fuca Ridge. <b>2009</b> , 26, 570-580	33
843	Constraints on the Biological Source(s) of the Orphan Branched Tetraether Membrane Lipids. <b>2009</b> , 26, 402-414	157
842	Pathogen detection in milk samples by ligation detection reaction-mediated universal array method. <b>2009</b> , 92, 3027-39	31



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838	Molecular characterization of the symbionts associated with marine nematodes of the genus <i>Robbea</i> . <b>2009</b> , 1, 136-144	40
837	Environmental, genomic and taxonomic perspectives on methanotrophic Verrucomicrobia. <b>2009</b> , 1, 293-306	335
836	Temperature influences the population structure of nitrite-oxidizing bacteria in activated sludge. <b>2009</b> , 1, 184-90	86
835	Cross-feeding of methane carbon among bacteria on rice roots revealed by DNA-stable isotope probing. <b>2009</b> , 1, 355-61	37
834	The quest for atmospheric methane oxidizers in forest soils. <b>2009</b> , 1, 336-46	149
833	PKS and NRPS gene clusters from microbial symbiont cells of marine sponges by whole genome amplification. <b>2010</b> , 2, 507-13	72
832	Identification of active methylotrophic bacteria inhabiting surface sediment of a marine estuary. <b>2009</b> , 1, 424-33	25
831	Microaerobic and anaerobic metabolism of a <i>Methylocystis parvus</i> strain isolated from a denitrifying bioreactor. <b>2009</b> , 1, 442-9	27
830	Methanotrophic symbioses in marine invertebrates. <b>2009</b> , 1, 319-35	88
829	Comparative analysis of bacterial and archaeal communities in methanogenic sludge granules from upflow anaerobic sludge blanket reactors treating various food-processing, high-strength organic wastewaters. <b>2009</b> , 24, 88-96	84
828	In situ detection and quantification of uncultured members of the phylum Nitrospirae abundant in methanogenic wastewater treatment systems. <b>2009</b> , 24, 97-104	16
827	Quantification of <i>E. coli</i> DNA on a flow-through chemiluminescence microarray readout system after PCR amplification. <b>2009</b> , 25, 669-74	23
826	Hydrogen utilising bacteria from the forestomach of eastern grey ( <i>Macropus giganteus</i> ) and red ( <i>Macropus rufus</i> ) kangaroos. <b>2009</b> , 49, 1043	24
825	Role of the protozoan <i>Isotricha prostoma</i> , liquid-, and solid-associated bacteria in rumen biohydrogenation of linoleic acid. <b>2009</b> , 3, 961-71	20
824	Molecular investigations of the stalked barnacle <i>Vulcanolepas osheai</i> and the epibiotic bacteria from the Brothers Caldera, Kermadec Arc, New Zealand. <b>2009</b> , 89, 727-733	22

823	Broad Diversity of <i>Ralstonia solanacearum</i> Strains in Cameroon. <b>2009</b> , 93, 1123-1130	51
822	Morphological, genetic, and pathogenic characterization of <i>Colletotrichum acutatum</i> , the cause of anthracnose of almond in Australia. <b>2009</b> , 99, 985-95	26
821	Cultivation of uncultured chloroflexi subphyla: significance and ecophysiology of formerly uncultured chloroflexi 'subphylum i' with natural and biotechnological relevance. <b>2009</b> , 24, 205-16	182
820	Bacterial Diversity in <i>Amblyomma americanum</i> (Acari: Ixodidae) With a Focus on Members of the Genus <i>Rickettsia</i> . <b>2010</b> , 47, 258-268	70
819	The phylogenetic position of <i>Rhopalostroma</i> as inferred from a polythetic approach. <b>2010</b> , 25, 11-21	20
818	Complete genome sequence of <i>Marinobacter adhaerens</i> type strain (HP15), a diatom-interacting marine microorganism. <b>2010</b> , 3, 97-107	41
817	Spatial Architecture of Nitrifying Bacteria Biofilm Immobilized on Polyurethane Foam in an Automatic Biodetector for Water Toxicity. <b>2010</b> , 1-11	3
816	Biogeography of terrestrial cyanobacteria from Antarctic ice-free areas. <b>2010</b> , 51, 171-177	40
815	The bacteriology of pouchitis: a molecular phylogenetic analysis using 16S rRNA gene cloning and sequencing. <b>2010</b> , 252, 90-8	85
814	Two types of endosymbiotic bacteria in the enigmatic marine worm <i>Xenoturbella bocki</i> . <b>2010</b> , 76, 2657-62	11
813	Subcuticular bacteria associated with two common New Zealand echinoderms: Characterization using 16S rRNA sequence analysis and fluorescence in situ hybridization. <b>2010</b> , 218, 95-104	7
812	Oligonucleotide Probes for Phylogenetic Detection of Waterborne Bacteria. <b>2010</b> , 56, 321-325	4
811	Altitudinal changes in a bacterial community on Gulkana Glacier in Alaska. <b>2010</b> , 25, 171-82	28
810	The Production, Application and Action of Lactic Cheese Starter Cultures. <b>2010</b> , 166-192	12
809	Deciphering phenotypic diversity of <i>Ralstonia solanacearum</i> strains pathogenic to potato. <b>2010</b> , 100, 1250-61	68
808	Microbial aspects of accelerated degradation of metam sodium in soil. <b>2010</b> , 100, 367-75	19
807	Development of a hierarchical oligonucleotide primer extension assay for the qualitative and quantitative analysis of <i>Cylindrospermopsis raciborskii</i> subspecies in freshwater. <b>2010</b> , 25, 103-10	6
806	MICROBIAL COMMUNITY STRUCTURE OF G3-DHS REACTOR IN UASB-DHS SYSTEM TREATING DOMESTIC SEWAGE. <b>2010</b> , 66, 56-64	1

805	Biodegradation of a biocide (Cu-N-cyclohexyldiazonium dioxide) component of a wood preservative by a defined soil bacterial community. <b>2010</b> , 76, 8076-83	24
804	<i>Ignavibacterium album</i> gen. nov., sp. nov., a moderately thermophilic anaerobic bacterium isolated from microbial mats at a terrestrial hot spring and proposal of <i>Ignavibacteria classis</i> nov., for a novel lineage at the periphery of green sulfur bacteria. <b>2010</b> , 60, 1376-1382	178
803	Hydrolytic bacteria in mesophilic and thermophilic degradation of plant biomass. <b>2010</b> , 10, 528-536	40
802	Phylogenetic relationships within the family Halomonadaceae based on comparative 23S and 16S rRNA gene sequence analysis. <b>2010</b> , 60, 737-748	55
801	<i>Fontibacter flavus</i> gen. nov., sp. nov., a member of the family 'Cyclobacteriaceae', isolated from a hot spring. <b>2010</b> , 60, 2066-2070	14
800	Tufa-forming biofilms of German karstwater streams: microorganisms, exopolymers, hydrochemistry and calcification. <b>2010</b> , 336, 83-118	60
799	<i>Methylocapsa aurea</i> sp. nov., a facultative methanotroph possessing a particulate methane monooxygenase, and emended description of the genus <i>Methylocapsa</i> . <b>2010</b> , 60, 2659-2664	103
798	Phylum XIV. Bacteroidetes phyl. nov.. <b>2010</b> , 25-469	42
797	Road map of the phyla Bacteroidetes, Spirochaetes, Tenericutes (Mollicutes), Acidobacteria, Fibrobacteres, Fusobacteria, Dictyoglomi, Gemmatimonadetes, Lentisphaerae, Verrucomicrobia, Chlamydiae, and Planctomycetes. <b>2010</b> , 1-19	16
796	<i>Bryobacter aggregatus</i> gen. nov., sp. nov., a peat-inhabiting, aerobic chemo-organotroph from subdivision 3 of the Acidobacteria. <b>2010</b> , 60, 301-306	88
795	Comparative analysis of acidobacterial genomic fragments from terrestrial and aquatic metagenomic libraries, with emphasis on acidobacteria subdivision 6. <b>2010</b> , 76, 6769-77	24
794	<i>Pseudomonas benzenivorans</i> sp. nov. and <i>Pseudomonas saponiphila</i> sp. nov., represented by xenobiotics degrading type strains. <b>2010</b> , 60, 85-91	20
793	Members of candidate divisions OP11, OD1 and SR1 are widespread along the water column of the meromictic Lake Pavin (France). <b>2010</b> , 192, 559-67	23
792	<i>Kosmotoga arenicorallina</i> sp. nov. a thermophilic and obligately anaerobic heterotroph isolated from a shallow hydrothermal system occurring within a coral reef, southern part of the Yaeyama Archipelago, Japan, reclassification of <i>Thermococcoides shengliensis</i> as <i>Kosmotoga shengliensis</i> comb. nov., and emended description of the genus <i>Kosmotoga</i> . <b>2010</b> , 192, 811-9	32
791	A method based on the ligation detection reaction—universal array (LDRUA) for the detection and characterization of <i>Listeria</i> and <i>Campylobacter</i> strains. <b>2010</b> , 231, 985-998	1
790	Spatial distribution of bacteria associated with the marine sponge. <b>2010</b> , 157, 627-638	24
789	Vegetation affects the relative abundances of dominant soil bacterial taxa and soil respiration rates in an upland grassland soil. <b>2010</b> , 59, 335-43	84
788	Robustness of the bacterial community in the cabbage white butterfly larval midgut. <b>2010</b> , 59, 199-211	96

787	Response of the sulfate-reducing community to the re-establishment of estuarine conditions in two contrasting soils: a mesocosm approach. <b>2010</b> , 59, 109-20	9
786	Diversity and community structure of Archaea inhabiting the rhizoplane of two contrasting plants from an acidic bog. <b>2010</b> , 59, 757-67	32
785	The influence of different land uses on the structure of archaeal communities in Amazonian anthrosols based on 16S rRNA and amoA genes. <b>2010</b> , 59, 734-43	49
784	Biodiversity of phototrophic biofilms dwelling on monumental fountains. <b>2010</b> , 60, 81-95	42
783	Similar bacterial community composition in acidic mining lakes with different pH and lake chemistry. <b>2010</b> , 60, 618-27	12
782	Intestinal microbiota diversity of the flat fish <i>Solea senegalensis</i> (Kaup, 1858) following probiotic administration. <b>2010</b> , 60, 310-9	72
781	Geomicrobiological properties of ultra-deep granitic groundwater from the Mizunami Underground Research Laboratory (MIU), central Japan. <b>2010</b> , 60, 214-25	28
780	Root colonization by <i>Pseudomonas</i> sp. DSMZ 13134 and impact on the indigenous rhizosphere bacterial community of barley. <b>2010</b> , 60, 381-93	67
779	Competitiveness of diverse <i>Methylobacterium</i> strains in the phyllosphere of <i>Arabidopsis thaliana</i> and identification of representative models, including <i>M. extorquens</i> PA1. <b>2010</b> , 60, 440-52	68
778	Community structure of archaea from deep-sea sediments of the South China Sea. <b>2010</b> , 60, 796-806	23
777	A new methodology combining PCR, cloning, and sequencing of clones discriminated by RFLP for the study of microbial populations: application to an UASB reactor sample. <b>2010</b> , 85, 801-6	6
776	Characterization and quantification of ammonia-oxidizing archaea (AOA) and bacteria (AOB) in a nitrogen-removing reactor using T-RFLP and qPCR. <b>2010</b> , 87, 1167-76	85
775	Identifying diazotrophs by incorporation of nitrogen from (15)N(2) into RNA. <b>2010</b> , 87, 2313-22	12
774	(Per)chlorate reduction by an acetogenic bacterium, <i>Sporomusa</i> sp., isolated from an underground gas storage. <b>2010</b> , 88, 595-603	36
773	Detection of zooplankton items in the stomach and gut content of larval krill, <i>Euphausia superba</i> , using a molecular approach. <b>2010</b> , 33, 407-414	25
772	<i>Acidithiobacillus ferrivorans</i> , sp. nov.; facultatively anaerobic, psychrotolerant iron-, and sulfur-oxidizing acidophiles isolated from metal mine-impacted environments. <b>2010</b> , 14, 9-19	165
771	Propionate and butyrate dependent bacterial sulfate reduction at extremely haloalkaline conditions and description of <i>Desulfobotulus alkaliphilus</i> sp. nov. <b>2010</b> , 14, 71-7	34
770	Bacterial community analyses of two Red Sea sponges. <b>2010</b> , 12, 350-60	44

769	Comparison of different DNA-extraction techniques to investigate the bacterial community of marine copepods. <b>2010</b> , 64, 331-342	9
768	<i>Desulfovibrio oceani</i> subsp. <i>oceani</i> sp. nov., subsp. nov. and <i>Desulfovibrio oceani</i> subsp. <i>galateae</i> subsp. nov., novel sulfate-reducing bacteria isolated from the oxygen minimum zone off the coast of Peru. <b>2010</b> , 97, 221-9	28
767	Novel green sulfur bacteria phylotypes detected in saline environments: ecophysiological characters versus phylogenetic taxonomy. <b>2010</b> , 97, 419-31	3
766	Diversity and identification of methanogenic archaea and sulphate-reducing bacteria in sediments from a pristine tropical mangrove. <b>2010</b> , 97, 401-11	57
765	<i>Marinimicrobium haloxylanilyticum</i> sp. nov., a new moderately halophilic, polysaccharide-degrading bacterium isolated from Great Salt Lake, Utah. <b>2010</b> , 98, 553-65	20
764	New phylogenetic lineages of the Spirochaetes phylum associated with <i>Clathrina</i> species (Porifera). <b>2010</b> , 48, 411-8	7
763	Isolation, characterization, and abundance of filamentous members of Caldilineae in activated sludge. <b>2010</b> , 48, 275-83	42
762	Cultivation of hitherto-uncultured bacteria belonging to the Verrucomicrobia subdivision 1 from the potato ( <i>Solanum tuberosum</i> L.) rhizosphere. <b>2010</b> , 10, 326-339	44
761	Species-specific PCR discrimination of species of the calanoid copepod <i>Pseudocalanus</i> , <i>P. acuspes</i> and <i>P. elongatus</i> , in the Baltic and North Seas. <b>2010</b> , 652, 289-297	21
760	Microbial communities of arboreal and ground soils in the Esquinas rainforest, Costa Rica. <b>2010</b> , 329, 65-74	19
759	Bacterial soil community in a Brazilian sugarcane field. <b>2010</b> , 336, 337-349	15
758	Comparison of lactate, formate, and propionate as hydrogen donors for the reductive dehalogenation of trichloroethene in a continuous-flow column. <b>2010</b> , 113, 77-92	45
757	Microscopical techniques reveal the in situ microbial association inside <i>Aplysina aerophoba</i> , Nardo 1886 (Porifera, Demospongiae, Verongida) almost exclusively consists of cyanobacteria. <b>2010</b> , 390, 169-178	10
756	Microbiota in pediatric inflammatory bowel disease. <b>2010</b> , 157, 240-244.e1	119
755	Phylogenetic affiliations of mesopelagic acantharia and acantharian-like environmental 18S rRNA genes off the southern California coast. <b>2010</b> , 161, 197-211	24
754	Homogeneous inoculation vs. microbial hot spots of isolated strain and microbial community: What is the most promising approach in remediating 1,2,4-TCB contaminated soils?. <b>2010</b> , 42, 331-336	17
753	Effect of the nitrification inhibitor dicyandiamide (DCD) on microbial communities in a pasture soil amended with bovine urine. <b>2010</b> , 42, 1425-1436	112
752	Microbial associations in gut systems of wood- and bark-inhabiting longhorned beetles [Coleoptera: Cerambycidae]. <b>2010</b> , 33, 25-34	83

751	Phylogenetic characterization and in situ detection of bacterial communities associated with seahorses ( <i>Hippocampus guttulatus</i> ) in captivity. <b>2010</b> , 33, 71-7	36
750	Phylogenetic diversity and antimicrobial activities of bryozoan-associated bacteria isolated from Mediterranean and Baltic Sea habitats. <b>2010</b> , 33, 94-104	37
749	Development of a 16S rRNA-targeted probe set for Verrucomicrobia and its application for fluorescence in situ hybridization in a humic lake. <b>2010</b> , 33, 139-48	38
748	Bacterioplankton diversity and community composition in the Southern Lagoon of Venice. <b>2010</b> , 33, 128-38	27
747	<i>Tepidamorphus gemmatus</i> gen. nov., sp. nov., a slightly thermophilic member of the Alphaproteobacteria. <b>2010</b> , 33, 60-6	18
746	Bacterial diversity in dry modern freshwater stromatolites from Ruidera Pools Natural Park, Spain. <b>2010</b> , 33, 209-21	40
745	<i>Pseudomonas arsenicoxydans</i> sp nov., an arsenite-oxidizing strain isolated from the Atacama desert. <b>2010</b> , 33, 193-7	36
744	<i>Thiomicrospira hydrogeniphila</i> sp. nov., an aerobic, hydrogen- and sulfur-oxidizing chemolithoautotroph isolated from a seawater tank containing a block of beef tallow. <b>2016</b> , 66, 3688-3693	10
743	<i>Halobium palmae</i> gen. nov., sp. nov., an extremely halophilic archaeon isolated from a solar saltern. <b>2016</b> , 66, 3799-3804	5
742	Description of <i>Trichococcus ilyis</i> sp. nov. by combined physiological and in silico genome hybridization analyses. <b>2016</b> , 66, 3957-3963	18
741	<i>Filimonas aurantiibacter</i> sp. nov., an orange-pigmented bacterium isolated from lake water and emended description of the genus <i>Filimonas</i> . <b>2016</b> , 66, 4027-4032	7
740	Proposal of <i>Mucilaginibacter phyllosphaerae</i> sp. nov. isolated from the phyllosphere of <i>Galium album</i> . <b>2016</b> , 66, 4138-4147	7
739	<i>Spiribacter roseus</i> sp. nov., a moderately halophilic species of the genus <i>Spiribacter</i> from salterns. <b>2016</b> , 66, 4218-4224	9
738	<i>Oceanobacillus longus</i> sp. nov., a moderately halophilic bacterium isolated from a salt lake. <b>2016</b> , 66, 4225-4230	5
737	Description of <i>Ancylomarina subtilis</i> gen. nov., sp. nov., isolated from coastal sediment, proposal of Marinilabiliales ord. nov. and transfer of Marinilabiales, Prolixibacteraceae and Marinifilaceae to the order Marinilabiliales. <b>2016</b> , 66, 4243-4249	22
736	<i>Croceicoccus pelagius</i> sp. nov. and <i>Croceicoccus mobilis</i> sp. nov., isolated from marine environments. <b>2016</b> , 66, 4506-4511	8
735	<i>Williamsia herbipolensis</i> sp. nov., isolated from the phyllosphere of <i>Arabidopsis thaliana</i> . <b>2016</b> , 66, 4609-4613	3
734	<i>Akkermansia glycaniphila</i> sp. nov., an anaerobic mucin-degrading bacterium isolated from reticulated python faeces. <b>2016</b> , 66, 4614-4620	28

733	<i>Pseudoduganella danionis</i> sp. nov., isolated from zebrafish ( <i>Danio rerio</i> ). <b>2016</b> , 66, 4671-4675	7
732	<i>Iodidimonas muriae</i> gen. nov., sp. nov., an aerobic iodide-oxidizing bacterium isolated from brine of a natural gas and iodine recovery facility, and proposals of Iodidimonadaceae fam. nov., Iodidimonadales ord. nov., Emcibacteraceae fam. nov. and Emcibacterales ord. nov. <b>2016</b> , 66, 5016-5022	17
731	<i>Marinitoga arctica</i> sp. nov., a thermophilic, anaerobic heterotroph isolated from a Mid-Ocean Ridge vent field. <b>2016</b> , 66, 5070-5076	4
730	<i>Paracoccus contaminans</i> sp. nov., isolated from a contaminated water microcosm. <b>2016</b> , 66, 5101-5105	11
729	<i>Saccharibacillus endophyticus</i> sp. nov., an endophyte of cotton. <b>2016</b> , 66, 5134-5139	3
728	<i>Emticiafontis</i> sp. nov., isolated from a freshwater pond. <b>2016</b> , 66, 5161-5166	3
727	<i>Coetzeea brasiliensis</i> gen. nov., sp. nov. isolated from larvae of <i>Anopheles darlingi</i> . <b>2016</b> , 66, 5211-5217	4
726	<i>Oceanitalea nanhaiensis</i> Fu et al. 2012 is a later heterotypic synonym of <i>Georgenia satyanarayanai</i> Srinivas et al. 2012. <b>2016</b> , 66, 5519-5522	2
725	<i>Marinomonas blandensis</i> sp. nov., a novel marine gammaproteobacterium. <b>2016</b> , 66, 5544-5549	7
724	<i>Flavobacterium inkyongense</i> sp. nov., isolated from an artificial freshwater pond. <b>2017</b> , 67, 82-86	6
723	<i>Soortia roseihalophila</i> gen. nov., sp. nov., a new taxon in the order Balneolales isolated from a travertine spring, and description of Soortiaceae fam. nov. <b>2017</b> , 67, 113-120	3
722	<i>Fimbrioglobus ruber</i> gen. nov., sp. nov., a Gemmata-like planctomycete from Sphagnum peat bog and the proposal of Gemmataceae fam. nov. <b>2017</b> , 67, 218-224	34
721	' <i>Streptomyces caelicus</i> ', an antibiotic-producing species of the genus <i>Streptomyces</i> , and <i>Streptomyces canchipurensis</i> Li et al. 2015 are later heterotypic synonyms of <i>Streptomyces muensis</i> Ningthoujam et al. 2014. <b>2017</b> , 67, 548-556	7
720	<i>Cohnella lubricantis</i> sp. nov., isolated from a coolant lubricant solution. <b>2017</b> , 67, 466-471	11
719	<i>Racemicystis persica</i> sp. nov., a myxobacterium from soil. <b>2017</b> , 67, 472-478	2
718	Defining the taxonomic status of described subdivision 3 Acidobacteria: proposal of Bryobacteraceae fam. nov. <b>2017</b> , 67, 498-501	34
717	Description of <i>Gramella forsetii</i> sp. nov., a marine Flavobacteriaceae isolated from North Sea water, and emended description of <i>Gramella gaetbulicola</i> Cho et al. 2011. <b>2017</b> , 67, 697-703	9
716	<i>Photorhabdus luminescens</i> subsp. <i>namnaonensis</i> subsp. nov., isolated from <i>Heterorhabditisbaujardi</i> nematodes. <b>2017</b> , 67, 1046-1051	13



715	<i>Xenorhabdus thuongxuanensis</i> sp. nov. and <i>Xenorhabdus eapokensis</i> sp. nov., isolated from <i>Steinernema</i> species. <b>2017</b> , 67, 1107-1114	9
714	<i>Paenibacillus rhizoplanae</i> sp. nov., isolated from the rhizosphere of <i>Zea mays</i> . <b>2017</b> , 67, 1058-1063	15
713	<i>Hyphobacterium vulgare</i> gen. nov., sp. nov., a novel alphaproteobacterium isolated from seawater. <b>2017</b> , 67, 1169-1176	12
712	<i>Arcanobacterium wilhelmae</i> sp. nov., isolated from the genital tract of a rhinoceros ( <i>Rhinoceros unicornis</i> ). <b>2017</b> , 67, 2093-2097	8
711	<i>Bacillus zeae</i> sp. nov., isolated from the rhizosphere of <i>Zea mays</i> . <b>2017</b> , 67, 1241-1246	4
710	<i>Psychromonas aquatilis</i> sp. nov., isolated from seawater samples obtained in the Chilean Antarctica. <b>2017</b> , 67, 1306-1311	3
709	<i>Rhodohalobacter halophilus</i> gen. nov., sp. nov., a moderately halophilic member of the family <i>Balneolaceae</i> . <b>2017</b> , 67, 1281-1287	10
708	Proposal of <i>Mucilaginibacter galii</i> sp. nov. isolated from leaves of <i>Galium album</i> . <b>2017</b> , 67, 1318-1326	6
707	<i>Paracandidimonas soli</i> gen. nov., sp. nov., isolated from soil. <b>2017</b> , 67, 1740-1745	6
706	<i>Phaeobacter porticola</i> sp. nov., an antibiotic-producing bacterium isolated from a sea harbour. <b>2017</b> , 67, 2153-2159	10
705	<i>Marinisporobacter balticus</i> gen. nov., sp. nov., <i>Desulfosporosinus nitroreducens</i> sp. nov. and <i>Desulfosporosinus fructosivorans</i> sp. nov., new spore-forming bacteria isolated from subsurface sediments of the Baltic Sea. <b>2017</b> , 67, 1887-1893	14
704	<i>Marinobacter aquaticus</i> sp. nov., a moderately halophilic bacterium from a solar saltern. <b>2017</b> , 67, 2622-2627	9
703	<i>Flavobacterium soyangense</i> sp. nov., a psychrotolerant bacterium, isolated from an oligotrophic freshwater lake. <b>2017</b> , 67, 2440-2445	8
702	<i>Mesorhizobium oceanicum</i> sp. nov., isolated from deep seawater. <b>2017</b> , 67, 2739-2745	11
701	<i>Sphingomonas olei</i> sp. nov., with the ability to degrade aliphatic hydrocarbons, isolated from oil-contaminated soil. <b>2017</b> , 67, 2731-2738	5
700	<i>Stenotrophomonas bentonitica</i> sp. nov., isolated from bentonite formations. <b>2017</b> , 67, 2779-2786	17
699	<i>Spiribacter aquaticus</i> sp. nov., a novel member of the genus <i>Spiribacter</i> isolated from a saltern. <b>2017</b> , 67, 2947-2952	9
698	<i>Nakamurella intestinalis</i> sp. nov., isolated from the faeces of <i>Pseudorhynchus japonicus</i> . <b>2017</b> , 67, 2970-2974	10

697	<i>Henriciella pelagia</i> sp. nov., isolated from seawater. <b>2017</b> , 67, 3020-3025	6
696	<i>Flavobacterium gossypii</i> sp. nov. isolated from the root tissue of field-grown cotton. <b>2017</b> , 67, 3345-3350	3
695	<i>Herpetosiphon gulosus</i> sp. nov., a filamentous predatory bacterium isolated from sandy soil and <i>Herpetosiphon giganteus</i> sp. nov., nom. rev. <b>2017</b> , 67, 2476-2481	3
694	<i>Vibrio palustris</i> sp. nov. and <i>Vibrio spartinae</i> sp. nov., two novel members of the <i>Gazogenes</i> clade, isolated from salt-marsh plants ( <i>Arthrocnemum macrostachyum</i> and <i>Spartina maritima</i> ). <b>2017</b> , 67, 3506-3512	8
693	<i>Tundrisphaera lichenicola</i> gen. nov., sp. nov., a psychrotolerant representative of the family <i>Isosphaeraceae</i> from lichen-dominated tundra soils. <b>2017</b> , 67, 3583-3589	17
692	<i>Winogradskyella haliclona</i> sp. nov., isolated from a marine sponge of the genus <i>Haliclona</i> . <b>2017</b> , 67, 4902-4910	11
691	<i>Hyphococcus flavus</i> gen. nov., sp. nov., a novel alphaproteobacterium isolated from deep seawater. <b>2017</b> , 67, 4024-4031	18
690	<i>Alteromonas pelagimontana</i> sp. nov., a marine exopolysaccharide-producing bacterium isolated from the Southwest Indian Ridge. <b>2017</b> , 67, 4032-4038	13
689	<i>Flavobacterium chuncheonense</i> sp. nov. and <i>Flavobacterium luteum</i> sp. nov., isolated from a freshwater lake. <b>2017</b> , 67, 4409-4415	9
688	<i>Aridibacter nitratireducens</i> sp. nov., a member of the family <i>Blastocatellaceae</i> , class <i>Blastocatellia</i> , isolated from an African soil. <b>2017</b> , 67, 4487-4493	19
687	<i>Ancylobacter pratisalsi</i> sp. nov. with plant growth promotion abilities from the rhizosphere of <i>Plantago winteri</i> Wirtg. <b>2017</b> , 67, 4500-4506	7
686	<i>Photobacterium toruni</i> sp. nov., a bacterium isolated from diseased farmed fish. <b>2017</b> , 67, 4518-4525	8
685	<i>Marinobacter salexigens</i> sp. nov., isolated from marine sediment. <b>2017</b> , 67, 4595-4600	6
684	<i>Paenibacillus nebraskensis</i> sp. nov., isolated from the root surface of field-grown maize. <b>2017</b> , 67, 4956-4961	5
683	<i>Paenibacillus solanacearum</i> sp. nov., isolated from rhizosphere soil of a tomato plant. <b>2017</b> , 67, 5046-5050	4
682	<i>Maribacter cobaltidurans</i> sp. nov., a heavy-metal-tolerant bacterium isolated from deep-sea sediment. <b>2017</b> , 67, 5261-5267	9
681	Taxonomic analyses of members of the <i>Streptomyces cinnabarinus</i> cluster, description of <i>Streptomyces cinnabarigriseus</i> sp. nov. and <i>Streptomyces davaonensis</i> sp. nov. <b>2018</b> , 68, 382-393	13
680	<i>Pseudoceanicola lipolyticus</i> sp. nov., a marine alphaproteobacterium, reclassification of <i>Oceanicola flagellatus</i> as <i>Pseudoceanicola flagellatus</i> comb. nov. and emended description of the genus <i>Pseudoceanicola</i> . <b>2018</b> , 68, 409-415	16

679	<i>Tritonibacter horizontalis</i> gen. nov., sp. nov., a member of the Rhodobacteraceae, isolated from the Deepwater Horizon oil spill. <b>2018</b> , 68, 736-744	14
678	sp. nov., isolated from a thermophilic industrial-scale biogas plant. <b>2018</b> , 68, 824-828	8
677	Proposal of <i>Litorimonas haliclona</i> sp. nov., isolated from a marine sponge of the genus <i>Haliclona</i> . <b>2018</b> , 68, 835-843	6
676	<i>Marinicrinis lubricantis</i> sp. nov., isolated from a coolant lubricant. <b>2018</b> , 68, 1018-1022	2
675	<i>Halomonas malpeensis</i> sp. nov., isolated from rhizosphere sand of a coastal sand dune plant. <b>2018</b> , 68, 1037-1046	9
674	<i>Comamonas aquatilis</i> sp. nov., isolated from a garden pond. <b>2018</b> , 68, 1210-1214	5
673	sp. nov., a member of the family from lichen-dominated forested tundra. <b>2018</b> , 68, 1265-1270	10
672	<i>Deinococcus lacus</i> sp. nov., a gamma radiation-resistant bacterium isolated from an artificial freshwater pond. <b>2018</b> , 68, 1372-1377	1
671	<i>Novosphingobium lubricantis</i> sp. nov., isolated from a coolant lubricant emulsion. <b>2018</b> , 68, 1560-1564	3
670	<i>Flavobacterium ladicola</i> sp. nov., isolated from a freshwater lake. <b>2018</b> , 68, 1565-1570	5
669	Proposal for a new classification of a deep branching bacterial phylogenetic lineage: transfer of <i>Coprothermobacter proteolyticus</i> and <i>Coprothermobacter platensis</i> to Coprothermobacteraceae fam. nov., within Coprothermobacterales ord. nov., Coprothermobacteria classis nov. and Coprothermobacterota phyl. nov. and emended description of the family Thermodesulfobiaceae.	24
668	<i>Winogradskyella pocilloporae</i> sp. nov. isolated from healthy tissue of the coral <i>Pocillopora damicornis</i> . <b>2018</b> , 68, 1689-1696	7
667	<i>Marinicaulis flavus</i> gen. nov., sp. nov., a novel stalked bacterium of the family Parvularculaceae. <b>2018</b> , 68, 2061-2067	4
666	<i>Sulfurovum denitrificans</i> sp. nov., an obligately chemolithoautotrophic sulfur-oxidizing epsilonproteobacterium isolated from a hydrothermal field. <b>2018</b> , 68, 2183-2187	27
665	Vicinamibacteraceae fam. nov., the first described family within the subdivision 6 Acidobacteria. <b>2018</b> , 68, 2331-2334	14
664	<i>Ruegeria denitrificans</i> sp. nov., a marine bacterium in the family Rhodobacteraceae with the potential ability for cyanophycin synthesis. <b>2018</b> , 68, 2515-2522	15
663	<i>Marinobacter fuscus</i> sp. nov., a marine bacterium of Gammaproteobacteria isolated from surface seawater. <b>2018</b> , 68, 3156-3162	6
662	<i>Spirosoma pollinicola</i> sp. nov., isolated from pollen of common hazel ( <i>Corylus avellana</i> L.). <b>2018</b> , 68, 3248-3254	1

661	Winogradskyella aurantiaca sp. nov., isolated from seawater. <b>2018</b> , 68, 3260-3265	2
660	Sphingomonas floccifaciens sp. nov., isolated from subterranean sediment. <b>2019</b> , 69, 1531-1536	2
659	Halorubrum chaoviator Mancinelli et al. 2009 is a later, heterotypic synonym of Halorubrum ezzemoulense Kharroub et al. 2006. Emended description of Halorubrum ezzemoulense Kharroub et al. 2006. <b>2018</b> , 68, 3657-3665	3
658	Eubacterium maltosivorans sp. nov., a novel human intestinal acetogenic and butyrogenic bacterium with a versatile metabolism. <b>2018</b> ,	3
657	Refining the taxonomic structure of the phylum Acidobacteria. <b>2018</b> , 68, 3796-3806	45
656	Erythrobacter zhengii sp. nov., a bacterium isolated from deep-sea sediment. <b>2019</b> , 69, 241-248	9
655	Kocuria tytonis sp. nov., isolated from the uropygial gland of an American barn owl (Tyto furcata). <b>2019</b> , 69, 447-451	6
654	Trichococcus shcherbakoviae sp. nov., isolated from a laboratory-scale anaerobic EGSB bioreactor operated at low temperature. <b>2019</b> , 69, 529-534	11
653	Aromatoleum gen. nov., a novel genus accommodating the phylogenetic lineage including Azoarcus evansii and related species, and proposal of Aromatoleum aromaticum sp. nov., Aromatoleum petrolei sp. nov., Aromatoleum bremense sp. nov., Aromatoleum toluolicum sp. nov. and Aromatoleum diluvianum sp. nov. <b>2019</b> , 69, 982-997	27
652	Transfer of Meiothermus chliarophilus (Tenreiro et al. 1995) Nobre et al. 1996, Meiothermus roseus Ming et al. 2016, Meiothermus terrae Yu et al. 2014 and Meiothermus timidus Pires et al. 2005, to Calidithermus gen. nov., as Calidithermus chliarophilus comb. nov., Calidithermus roseus comb. nov., Calidithermus terrae comb. nov. and Calidithermus timidus comb. nov., respectively, and	5
651	Granulicella sibirica sp. nov., a psychrotolerant acidobacterium isolated from an organic soil layer in forested tundra, West Siberia. <b>2019</b> , 69, 1195-1201	6
650	Methanofervidicoccus abyssi gen. nov., sp. nov., a hydrogenotrophic methanogen, isolated from a hydrothermal vent chimney in the Mid-Cayman Spreading Center, the Caribbean Sea. <b>2019</b> , 69, 1225-1230	5
649	Halonotius aquaticus sp. nov., a new haloarchaeon isolated from a marine saltern. <b>2019</b> , 69, 1306-1312	3
648	Azoarcus pumilus sp. nov., isolated from seawater in Sanya, China. <b>2019</b> , 69, 1459-1464	5
647	Altererythrobacter aerophilus sp. nov., isolated from deep-sea water of the north-west Pacific. <b>2019</b> , 69, 1689-1695	7
646	sp. nov., isolated from tidal flat sediment. <b>2019</b> , 69, 2651-2657	1
645	gen. nov., sp. nov. and sp. nov., two new representatives in the order. <b>2019</b> , 69, 2767-2774	3
644	sp. nov., isolated from a large freshwater lake. <b>2019</b> , 69, 3135-3140	5

643	sp. nov., and reclassification of as comb. nov., and as comb. nov. <b>2019</b> , 69, 3405-3413	2
642	gen. nov., sp. nov., isolated from a marine red alga. <b>2019</b> , 69, 3544-3550	2
641	gen. nov., sp. nov., a D-arabinose-utilizing bacterium isolated from faeces of C57BL/6J mice that is a close relative of species ASF 502. <b>2019</b> , 69, 3616-3622	2
640	sp. nov., an extremely halophilic archaeon isolated from a marine saltern. <b>2019</b> , 69, 3636-3643	3
639	sp. nov., isolated from fresh water. <b>2019</b> , 69, 3903-3909	6
638	sp. nov. isolated from the penguin. <b>2020</b> , 70, 211-219	5
637	gen. nov., sp. nov., a moderately thermophilic heterotrophic aggregating bacterium isolated from microbial mats at a terrestrial hot spring. <b>2020</b> , 70, 1117-1121	2
636	gen. nov., sp. nov., a novel freshwater planctomycete with a giant genome from the family. <b>2020</b> , 70, 1240-1249	14
635	gen. nov., sp. nov., a novel member of the family. <b>2020</b> , 70, 1231-1239	7
634	Taxonomic reassessment of the genus using whole genome sequencing: is a later heterotypic synonym of and description of sp. nov. <b>2020</b> , 70, 1315-1320	3
633	Genome-based analyses reveal a synonymy among Zvyagintseva and Tarasov 1989; Oren and Ventosa 1996, Ventosa . 2004, Xu . 2007 and Cui . 2007. Emended description of Zvyagintseva and Tarasov 1989; Oren and Ventosa 1996. <b>2020</b> , 70, 1698-1705	2
632	gen. nov., sp. nov., isolated from a sea tidal flat and proposal of fam. nov. <b>2020</b> , 70, 2239-2246	5
631	sp. nov., isolated from coastal seawater. <b>2020</b> , 70, 1868-1875	3
630	Proposal to reclassify into a novel genus as gen. nov., comb. nov. <b>2020</b> , 70, 2084-2088	1
629	Proposal to reclassify into a novel genus as gen. nov., comb. nov. <b>2020</b> , 70, 2366-2368	2
628	Leon . 2017 is a later heterotypic synonym of Leon . 2016. Reclassification of Menes . 2016 as comb. nov. <b>2020</b> , 70, 2873-2878	1
627	Cultivation and description of sp. nov., sp. nov. and emended description of the species. <b>2020</b> , 70, 3105-3110	5
626	Proposal to reclassify the proteobacterial classes and , and the phylum into four phyla reflecting major functional capabilities. <b>2020</b> , 70, 5972-6016	205

625	sp. nov., isolated from oceans during the oceans expedition, with a preference for mesopelagic waters. <b>2020</b> , 70, 4329-4338	1
624	sp. nov., an anaerobic bacterium from the faeces of C57BL/6J mice. <b>2020</b> , 70, 4725-4729	6
623	sp. nov. and sp. nov., Fe(III)-reducing bacteria isolated from marine environments. <b>2020</b> , 70, 4927-4934	0
622	The status of the genus (Pot 1992) and the species (Pot 1992). <b>2020</b> , 70, 5165-5171	4
621	gen. nov., sp. nov., a novel thermophilic phototrophic purple sulphur bacterium of the isolated from Nakabusa hot springs, Japan. <b>2020</b> , 70, 5701-5710	6
620	sp. nov. isolated from Atlantic salmon () and formal proposal to reclassify as a later heterotypic synonym of. <b>2020</b> , 70, 6147-6154	2
619	Multiplex characterization of human pathogens including species and antibiotic-resistance gene identification. <b>2016</b> , 65, 48-55	6
618	Detection of <i>Coxiella burnetii</i> in heart valve sections by fluorescence in situ hybridization. <b>2018</b> , 67, 537-542	14
617	Schwertmannite formation at cell junctions by a new filament-forming Fe(II)-oxidizing isolate affiliated with the novel genus <i>Acidithrix</i> . <b>2016</b> , 162, 62-71	10
616	<i>Synechococcus</i> diversity along a trophic gradient in the Osterseen Lake District, Bavaria. <b>2016</b> , 162, 2053-2063	18
615	Anaerobic phototrophic nitrite oxidation by <i>Thiocapsa</i> sp. strain KS1 and <i>Rhodopseudomonas</i> sp. strain LQ17. <b>2010</b> , 156, 2428-2437	31
614	290 Metagenome-assembled Genomes from the Mediterranean Sea: a resource for marine microbiology.	2
613	AmoA-targeted polymerase chain reaction primers for the specific detection and quantification of comammoxNitrospirain the environment.	4
612	Nitrogen-fixing populations of Planctomycetes and Proteobacteria are abundant in the surface ocean.	18
611	Rice paddyNitrospiraeencode and express genes related to sulfate respiration: proposal of the new genus <i>CandidatusSulfobium</i> .	1
610	Highly parallelized microfluidic droplet cultivation and prioritization on antibiotic producers from complex natural microbial communities.	1
609	Lateral gene transfer drives metabolic flexibility in the anaerobic methane oxidising archaeal family Methanoperedenaceae.	1
608	Experimentally-validated correlation analysis reveals new anaerobic methane oxidation partnerships with consortium-level heterogeneity in diazotrophy.	1

607	Connecting structure to function with the recovery of over 1000 high-quality activated sludge metagenome-assembled genomes encoding full-length rRNA genes using long-read sequencing.	15
606	Chloroflexi persisting for millions of years in oxic and anoxic deep-sea clay.	3
605	Microdiversity and phylogeographic diversification of bacterioplankton in pelagic freshwater systems revealed through long-read amplicon sequencing.	3
604	Novel taxa of Acidobacteriota involved in seafloor sulfur cycling.	5
603	<i>Candidatus Dechloromonas phosphatis</i> and <i>Candidatus Dechloromonas phosphovora</i> —two novel polyphosphate accumulating organisms abundant in wastewater treatment systems.	3
602	Metabolic potential for reductive acetogenesis and a novel energy-converting [NiFe] hydrogenase in <i>Bathyarchaeia</i> from termite guts—a genome-centric analysis.	1
601	TaxAss: Leveraging a Custom Freshwater Database Achieves Fine-Scale Taxonomic Resolution.	4
600	Automated high throughput animal DNA metabarcode classification.	2
599	A proposal for a standardized bacterial taxonomy based on genome phylogeny.	32
598	Marine sponges as Chloroflexi hot-spots: Genomic insights and high resolution visualization of an abundant and diverse symbiotic clade.	3
597	The ecology of the Chloroflexi in full-scale activated sludge wastewater treatment plants.	2
596	Asgard archaea are diverse, ubiquitous, and transcriptionally active microbes.	9
595	Pyrite formation from FeS and H <sub>2</sub> S is mediated by a novel type of microbial energy metabolism.	3
594	Trait-based approach to bacterial growth efficiency.	5
593	Insights into the microbiota of Asian seabass ( <i>Lates calcarifer</i> ) with tenacibaculosis symptoms and description of sp. nov. <i>Tenacibaculum singaporense</i> .	3
592	DNA-foraging bacteria in the seafloor.	4
591	Metagenomic analysis reveals large potential for carbon, nitrogen and sulfur cycling in coastal methanic sediments of the Bothnian Sea.	1
590	Visualization of Loki- and Heimdallarchaeia (Asgardarchaeota) by fluorescence in situ hybridization and catalyzed reporter deposition (CARD-FISH).	2



589	Comparative genomics guides elucidation of vitamin B12 biosynthesis in novel human associated Akkermansia.	1
588	Inland-coastal bifurcation of southern East Asians revealed by Hmong-Mien genomic history.	9
587	Differential polysaccharide utilization is the basis for a nanohaloarchaeon : haloarchaeon symbiosis.	9
586	The novel shapeshifting bacterial phylum Saltatorellota.	3
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