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| Actinobacteria | Acidimicrobidae bacterium YM16 304,Acidimicrobium ferrooxidans DSM 10331,Acidothermus cellulolyticus 11B,Actinoplanes friuliensis DSM 7358,Actinoplanes missouriensis 431,Actinoplanes N902 109,Actinoplanes SE50 110,Actinosynnema mirum DSM 43827,Amycolatopsis mediterranei RB,Amycolatopsis mediterranei S699,Amycolatopsis mediterranei U32,Amycolatopsis orientalis HCCB10007,Amycolicicoccus subflavus DQS3 9A1,Arcanobacterium haemolyticum DSM 20595,Arthrobacter arilaitensis Re117,Arthrobacter aurescens TC1,Arthrobacter chlorophenolicus A6,Arthrobacter FB24,Arthrobacter nitroguajacolicus Rue61a,Arthrobacter phenanthrenivorans Sphe3,Atopobium parvulum DSM 20469,Beutenbergia cavernae DSM 12333,Bifidobacterium 12 1 47BFAA,Bifidobacterium adolescentis ATCC 15703,Bifidobacterium adolescentis L2 32,Bifidobacterium angulatum DSM 20098,Bifidobacterium animalis ATCC 25527,Bifidobacterium animalis lactis AD011,Bifidobacterium animalis lactis ATCC 27673,Bifidobacterium animalis lactis B420,Bifidobacterium animalis lactis BB 12,Bifidobacterium animalis lactis Bi 07,Bifidobacterium animalis lactis Bl12,Bifidobacterium animalis lactis Bl 04,Bifidobacterium animalis lactis BLC1,Bifidobacterium animalis lactis BS 01,Bifidobacterium animalis lactis CNCM I 2494,Bifidobacterium animalis lactis DSM 10140,Bifidobacterium animalis lactis HN019,Bifidobacterium animalis lactis V9,Bifidobacterium asteroides PRL2011,Bifidobacterium bifidum BGN4,Bifidobacterium bifidum IPLA 20015,Bifidobacterium bifidum LMG 13195,Bifidobacterium bifidum NCIMB 41171,Bifidobacterium bifidum PRL2010,Bifidobacterium bifidum S17,Bifidobacterium breve ACS 071 V Sch8b,Bifidobacterium breve CECT 7263,Bifidobacterium breve DSM 20213,Bifidobacterium breve UCC2003,Bifidobacterium catenulatum DSM 16992,Bifidobacterium dentium ATCC 27678,Bifidobacterium dentium ATCC 27679,Bifidobacterium dentium Bd1,Bifidobacterium dentium JCVIHMP022,Bifidobacterium gallicum DSM 20093,Bifidobacterium longum 1 6B,Bifidobacterium longum 2 2B,Bifidobacterium longum 35B,Bifidobacterium longum 44B,Bifidobacterium longum BBMN68,Bifidobacterium longum DJO10A,Bifidobacterium longum F8,Bifidobacterium longum infantis 157F,Bifidobacterium longum infantis ATCC 15697,Bifidobacterium longum infantis ATCC 55813,Bifidobacterium longum infantis CCUG 52486,Bifidobacterium longum JCM 1217,Bifidobacterium longum JDM301,Bifidobacterium longum KACC 91563,Bifidobacterium longum NCC2705,Bifidobacterium pseudocatenulatum DSM 20438,Bifidobacterium thermophilum RBL67,Blastococcus saxobsidens DD2,Brachybacterium faecium DSM 4810,Brachybacterium paraconglomeratum LC44,Brachybacterium squillarum M 6 3,Catenulispora acidiphila DSM 44928,Cellulomonas fimi ATCC 484,Cellulomonas flavigena DSM 20109,Cellvibrio gilvus ATCC 13127,Clavibacter michiganensis NCPPB 382,Clavibacter michiganensis nebraskensis NCPPB 2581,Clavibacter michiganensis sepedonicus,Conexibacter woesei DSM 14684,Coriobacterium glomerans PW2,Corynebacterium accolens ATCC 49725,Corynebacterium accolens ATCC 49726,Corynebacterium ammoniagenes DSM 20306,Corynebacterium amycolatum SK46,Corynebacterium argentoratense DSM 44202,Corynebacterium aurimucosum ATCC 700975,Corynebacterium bovis DSM 20582,Corynebacterium callunae DSM 20147,Corynebacterium casei,Corynebacterium diphtheriae 241,Corynebacterium diphtheriae 31A,Corynebacterium diphtheriae BH8,Corynebacterium diphtheriae bv intermedius NCTC 5011,Corynebacterium diphtheriae C7 beta,Corynebacterium diphtheriae CDCE 8392,Corynebacterium diphtheriae HC01,Corynebacterium diphtheriae HC02,Corynebacterium diphtheriae HC03,Corynebacterium diphtheriae HC04,Corynebacterium diphtheriae INCA 402,Corynebacterium diphtheriae NCTC 13129,Corynebacterium diphtheriae PW8,Corynebacterium diphtheriae VA01,Corynebacterium durum F0235,Corynebacterium efficiens YS 314,Corynebacterium genitalium ATCC 33030,Corynebacterium glucuronolyticum ATCC 51866,Corynebacterium glucuronolyticum ATCC 51867,Corynebacterium glutamicum ATCC 13032,Corynebacterium glutamicum ATCC 14067,Corynebacterium glutamicum MB001,Corynebacterium glutamicum R,Corynebacterium glutamicum S9114,Corynebacterium glutamicum SCgG1,Corynebacterium glutamicum SCgG2,Corynebacterium halotolerans YIM 70093 DSM 44683,Corynebacterium jeikeium ATCC 43734,Corynebacterium jeikeium K411,Corynebacterium kroppenstedtii DSM 44385,Corynebacterium lipophiloflavum DSM 44291,Corynebacterium maris DSM 45190,Corynebacterium matruchotii ATCC 14266,Corynebacterium matruchotii ATCC 33806,Corynebacterium nuruki S6 4,Corynebacterium pseudogenitalium ATCC 33035,Corynebacterium pseudotuberculosis 1002,Corynebacterium pseudotuberculosis 1 06 A,Corynebacterium pseudotuberculosis 258,Corynebacterium pseudotuberculosis 267,Corynebacterium pseudotuberculosis 31,Corynebacterium pseudotuberculosis 316,Corynebacterium pseudotuberculosis 3 99 5,Corynebacterium pseudotuberculosis 42 02 A,Corynebacterium pseudotuberculosis C231,Corynebacterium pseudotuberculosis CIP 52 97,Corynebacterium pseudotuberculosis Cp162,Corynebacterium pseudotuberculosis FRC41,Corynebacterium pseudotuberculosis I19,Corynebacterium pseudotuberculosis P54B96,Corynebacterium pseudotuberculosis PAT10,Corynebacterium resistens DSM 45100,Corynebacterium striatum ATCC 6940,Corynebacterium terpenotabidum Y 11,Corynebacterium tuberculostearicum SK141,Corynebacterium ulcerans 0102,Corynebacterium ulcerans 809,Corynebacterium ulcerans BR AD22,Corynebacterium urealyticum DSM 7109,Corynebacterium urealyticum DSM 7111,Corynebacterium variabile DSM 44702,Cryptobacterium curtum DSM 15641,Eggerthella 1 3 56FAA,Eggerthella HGA1,Eggerthella lenta DSM 2243,Eggerthella YY7918,Frankia alni ACN14a,Frankia CcI3,Frankia CN3,Frankia EAN1pec,Frankia EuI1c,Frankia EUN1f,Frankia QA3,Frankia symbiont of Datisca glomerata,Gardnerella vaginalis 00703Bmash,Gardnerella vaginalis 00703C2mash,Gardnerella vaginalis 00703Dmash,Gardnerella vaginalis 0288E,Gardnerella vaginalis 1400E,Gardnerella vaginalis 1500E,Gardnerella vaginalis 284V,Gardnerella vaginalis 315 A,Gardnerella vaginalis 409 05,Gardnerella vaginalis 55152,Gardnerella vaginalis 5 1,Gardnerella vaginalis 6119V5,Gardnerella vaginalis 6420B,Gardnerella vaginalis 6420LIT,Gardnerella vaginalis 75712,Gardnerella vaginalis AMD,Gardnerella vaginalis ATCC 14018,Gardnerella vaginalis ATCC 14019,Gardnerella vaginalis HMP9231,Geodermatophilus obscurus DSM 43160,Gordonia aichiensis NBRC 108223,Gordonia alkanivorans NBRC 16433,Gordonia amarae NBRC 15530,Gordonia amicalis NBRC 100051,Gordonia araii NBRC 100433,Gordonia bronchialis DSM 43247,Gordonia effusa NBRC 100432,Gordonia hirsuta DSM 44140 NBRC 16056,Gordonia KTR9,Gordonia malaquae NBRC 108250,Gordonia namibiensis NBRC 108229,Gordonia neofelifaecis NRRL B 59395,Gordonia otitidis NBRC 100426,Gordonia paraffinivorans NBRC 108238,Gordonia polyisoprenivorans NBRC 16320,Gordonia polyisoprenivorans VH2,Gordonia rhizosphera NBRC 16068,Gordonia rubripertincta NBRC 101908,Gordonia sihwensis NBRC 108236,Gordonia soli NBRC 108243,Gordonia sputi NBRC 100414,Gordonia terrae NBRC 100016,Gordonibacter pamelaeae 7 10 1 b,Intrasporangium calvum DSM 43043,Isoptericola variabilis 225,Jonesia denitrificans DSM 20603,Kineococcus radiotolerans SRS30216,Kitasatospora setae KM 6054,Kocuria palustris TAGA27,Kocuria rhizophila DC2201,Kribbella flavida DSM 17836,Kytococcus sedentarius DSM 20547,Leifsonia xyli CTCB07,Leifsonia xyli cynodontis DSM 46306,Microbacterium laevaniformans OR221,Microbacterium testaceum StLB037,Micrococcus luteus NCTC 2665,Micrococcus luteus SK58,Microlunatus phosphovorus NM 1,Micromonospora ATCC 39149,Micromonospora aurantiaca ATCC 27029,Micromonospora L5,Micromonospora lupini Lupac 08,Mobiluncus curtisii ATCC 35241,Mobiluncus curtisii ATCC 43063,Mobiluncus curtisii ATCC 51333,Mobiluncus curtisii holmesii ATCC 35242,Mobiluncus mulieris 28 1,Mobiluncus mulieris ATCC 35239,Mobiluncus mulieris ATCC 35243,Mobiluncus mulieris FB024 16,Modestobacter marinus,Mycobacterium abscessus,Mycobacterium abscessus 3A 0119 R,Mycobacterium abscessus 3A 0122 R,Mycobacterium abscessus 3A 0122 S,Mycobacterium abscessus 3A 0731,Mycobacterium abscessus 3A 0810 R,Mycobacterium abscessus 3A 0930 R,Mycobacterium abscessus 3A 0930 S,Mycobacterium abscessus 47J26,Mycobacterium abscessus 4S 0116 R,Mycobacterium abscessus 4S 0116 S,Mycobacterium abscessus 4S 0206,Mycobacterium abscessus 4S 0303,Mycobacterium abscessus 4S 0726 RA,Mycobacterium abscessus 4S 0726 RB,Mycobacterium abscessus 5S 0304,Mycobacterium abscessus 5S 0421,Mycobacterium abscessus 5S 0422,Mycobacterium abscessus 5S 0708,Mycobacterium abscessus 5S 0817,Mycobacterium abscessus 5S 0921,Mycobacterium abscessus 5S 1212,Mycobacterium abscessus 5S 1215,Mycobacterium abscessus 6G 0125 R,Mycobacterium abscessus 6G 0125 S,Mycobacterium abscessus 6G 0212,Mycobacterium abscessus 6G 0728 R,Mycobacterium abscessus 6G 0728 S,Mycobacterium abscessus 6G 1108,Mycobacterium abscessus bolletii 50594,Mycobacterium abscessus bolletii BD,Mycobacterium abscessus M93,Mycobacterium abscessus M94,Mycobacterium africanum GM041182,Mycobacterium avium 104,Mycobacterium avium ATCC 25291,Mycobacterium avium paratuberculosis K 10,Mycobacterium avium paratuberculosis MAP4,Mycobacterium avium paratuberculosis S397,Mycobacterium avium paratuberculosis S5,Mycobacterium bovis AF2122 97,Mycobacterium bovis BCG Korea 1168P,Mycobacterium bovis BCG Mexico,Mycobacterium bovis BCG Pasteur 1173P2,Mycobacterium bovis BCG Tokyo 172,Mycobacterium canettii CIPT 140010059,Mycobacterium canettii CIPT 140060008,Mycobacterium canettii CIPT 140070008,Mycobacterium canettii CIPT 140070010,Mycobacterium canettii CIPT 140070017,Mycobacterium chubuense NBB4,Mycobacterium colombiense CECT 3035,Mycobacterium fortuitum DSM 46621,Mycobacterium gilvum PYR GCK,Mycobacterium gilvum Spyr1,Mycobacterium H4Y,Mycobacterium hassiacum DSM 44199,Mycobacterium indicus pranii MTCC 9506,Mycobacterium intracellulare ATCC 13950,Mycobacterium intracellulare MOTT 02,Mycobacterium intracellulare MOTT 64,Mycobacterium JDM601,Mycobacterium JLS,Mycobacterium kansasii ATCC 12478,Mycobacterium KMS,Mycobacterium leprae Br4923,Mycobacterium leprae TN,Mycobacterium liflandii 128FXT,Mycobacterium marinum M,Mycobacterium massiliense 1S 151 0930,Mycobacterium massiliense 1S 152 0914,Mycobacterium massiliense 1S 153 0915,Mycobacterium massiliense 1S 154 0310,Mycobacterium massiliense 2B 0107,Mycobacterium massiliense 2B 0307,Mycobacterium massiliense 2B 0626,Mycobacterium massiliense 2B 0912 R,Mycobacterium massiliense 2B 0912 S,Mycobacterium massiliense 2B 1231,Mycobacterium massiliense CCUG 48898,Mycobacterium massiliense GO 06,Mycobacterium MCS,Mycobacterium MOTT36Y,Mycobacterium parascrofulaceum ATCC BAA 614,Mycobacterium phlei RIVM601174,Mycobacterium rhodesiae JS60,Mycobacterium rhodesiae NBB3,Mycobacterium smegmatis JS623,Mycobacterium smegmatis MC2 155,Mycobacterium smegmatis MKD8,Mycobacterium thermoresistibile ATCC 19527,Mycobacterium tuberculosis,Mycobacterium tuberculosis 02 1987,Mycobacterium tuberculosis 210,Mycobacterium tuberculosis 94 M4241A,Mycobacterium tuberculosis 98 R604 INH RIF EM,Mycobacterium tuberculosis Beijing NITR203,Mycobacterium tuberculosis C,Mycobacterium tuberculosis CAS NITR204,Mycobacterium tuberculosis CCDC5079,Mycobacterium tuberculosis CCDC5180,Mycobacterium tuberculosis CDC1551,Mycobacterium tuberculosis CDC1551A,Mycobacterium tuberculosis CPHL A,Mycobacterium tuberculosis CTRI 2,Mycobacterium tuberculosis EAI5,Mycobacterium tuberculosis EAI5 NITR206,Mycobacterium tuberculosis EAS054,Mycobacterium tuberculosis Erdman ATCC 35801,Mycobacterium tuberculosis F11,Mycobacterium tuberculosis GM 1503,Mycobacterium tuberculosis H37Ra,Mycobacterium tuberculosis H37Rv,Mycobacterium tuberculosis Haarlem,Mycobacterium tuberculosis Haarlem3 NITR202,Mycobacterium tuberculosis K85,Mycobacterium tuberculosis KZN 1435,Mycobacterium tuberculosis KZN 4207,Mycobacterium tuberculosis KZN 605,Mycobacterium tuberculosis KZN R506,Mycobacterium tuberculosis KZN V2475,Mycobacterium tuberculosis NCGM2209,Mycobacterium tuberculosis RGTB327,Mycobacterium tuberculosis RGTB423,Mycobacterium tuberculosis SUMu001,Mycobacterium tuberculosis SUMu002,Mycobacterium tuberculosis SUMu003,Mycobacterium tuberculosis SUMu004,Mycobacterium tuberculosis SUMu005,Mycobacterium tuberculosis SUMu006,Mycobacterium tuberculosis SUMu007,Mycobacterium tuberculosis SUMu008,Mycobacterium tuberculosis SUMu009,Mycobacterium tuberculosis SUMu010,Mycobacterium tuberculosis SUMu011,Mycobacterium tuberculosis SUMu012,Mycobacterium tuberculosis T17,Mycobacterium tuberculosis T46,Mycobacterium tuberculosis T85,Mycobacterium tuberculosis T92,Mycobacterium tuberculosis UT205,Mycobacterium tuberculosis W 148,Mycobacterium tusciae JS617,Mycobacterium ulcerans Agy99,Mycobacterium vaccae ATCC 25954,Mycobacterium vanbaalenii PYR 1,Mycobacterium VKM Ac 1815D,Mycobacterium xenopi RIVM700367,Mycobacterium yongonense 05 1390,Nakamurella multipartita DSM 44233,Nocardia brasiliensis ATCC 700358,Nocardia cyriacigeorgica GUH 2,Nocardia farcinica IFM 10152,Nocardioides JS614,Nocardiopsis alba ATCC BAA 2165,Nocardiopsis dassonvillei DSM 43111,Olsenella oral taxon 809 F0356,Olsenella uli DSM 7084,Propionibacterium 409 HC1,Propionibacterium 434 HC2,Propionibacterium 5 U 42AFAA,Propionibacterium acidipropionici ATCC 4875,Propionibacterium acnes 266,Propionibacterium acnes 6609,Propionibacterium acnes ATCC 11828,Propionibacterium acnes C1,Propionibacterium acnes FZ1 2 0,Propionibacterium acnes HL001PA1,Propionibacterium acnes HL002PA1,Propionibacterium acnes HL002PA2,Propionibacterium acnes HL002PA3,Propionibacterium acnes HL005PA1,Propionibacterium acnes HL005PA2,Propionibacterium acnes HL005PA3,Propionibacterium acnes HL005PA4,Propionibacterium acnes HL007PA1,Propionibacterium acnes HL013PA1,Propionibacterium acnes HL013PA2,Propionibacterium acnes HL020PA1,Propionibacterium acnes HL025PA1,Propionibacterium acnes HL025PA2,Propionibacterium acnes HL027PA1,Propionibacterium acnes HL027PA2,Propionibacterium acnes HL030PA1,Propionibacterium acnes HL030PA2,Propionibacterium acnes HL036PA1,Propionibacterium acnes HL036PA2,Propionibacterium acnes HL036PA3,Propionibacterium acnes HL037PA1,Propionibacterium acnes HL037PA2,Propionibacterium acnes HL037PA3,Propionibacterium acnes HL038PA1,Propionibacterium acnes HL043PA1,Propionibacterium acnes HL043PA2,Propionibacterium acnes HL044PA1,Propionibacterium acnes HL045PA1,Propionibacterium acnes HL046PA1,Propionibacterium acnes HL046PA2,Propionibacterium acnes HL050PA1,Propionibacterium acnes HL050PA2,Propionibacterium acnes HL050PA3,Propionibacterium acnes HL053PA1,Propionibacterium acnes HL053PA2,Propionibacterium acnes HL056PA1,Propionibacterium acnes HL059PA1,Propionibacterium acnes HL059PA2,Propionibacterium acnes HL060PA1,Propionibacterium acnes HL063PA1,Propionibacterium acnes HL063PA2,Propionibacterium acnes HL067PA1,Propionibacterium acnes HL072PA1,Propionibacterium acnes HL072PA2,Propionibacterium acnes HL074PA1,Propionibacterium acnes HL078PA1,Propionibacterium acnes HL082PA1,Propionibacterium acnes HL082PA2,Propionibacterium acnes HL083PA1,Propionibacterium acnes HL083PA2,Propionibacterium acnes HL086PA1,Propionibacterium acnes HL087PA1,Propionibacterium acnes HL087PA2,Propionibacterium acnes HL087PA3,Propionibacterium acnes HL092PA1,Propionibacterium acnes HL096PA1,Propionibacterium acnes HL096PA2,Propionibacterium acnes HL096PA3,Propionibacterium acnes HL097PA1,Propionibacterium acnes HL099PA1,Propionibacterium acnes HL103PA1,Propionibacterium acnes HL110PA1,Propionibacterium acnes HL110PA2,Propionibacterium acnes HL110PA3,Propionibacterium acnes HL110PA4,Propionibacterium acnes J139,Propionibacterium acnes J165,Propionibacterium acnes KPA171202,Propionibacterium acnes PRP 38,Propionibacterium acnes SK137,Propionibacterium acnes SK182,Propionibacterium acnes SK182B JCVI,Propionibacterium acnes SK187,Propionibacterium acnes TypeIA2 P acn17,Propionibacterium acnes TypeIA2 P acn31,Propionibacterium acnes TypeIA2 P acn33,Propionibacterium avidum 44067,Propionibacterium avidum ATCC 25577,Propionibacterium CC003 HC2,Propionibacterium freudenreichii shermanii CIRM BIA1,Propionibacterium humerusii P08,Propionibacterium propionicum F0230a,Pseudonocardia dioxanivorans CB1190,Pseudonocardia P1,Renibacterium salmoninarum ATCC 33209,Rhodococcus AW25M09,Rhodococcus equi 103S,Rhodococcus equi ATCC 33707,Rhodococcus erythropolis CCM2595,Rhodococcus erythropolis PR4,Rhodococcus erythropolis SK121,Rhodococcus imtechensis RKJ300,Rhodococcus jostii RHA1,Rhodococcus JVH1,Rhodococcus opacus B4,Rhodococcus opacus M213,Rhodococcus opacus PD630,Rhodococcus P14,Rhodococcus pyridinivorans AK37,Rhodococcus pyridinivorans SB3094,Rhodococcus qingshengii BKS 20 40,Rhodococcus ruber BKS 20 38,Rhodococcus triatomae BKS 15 14,Rhodococcus wratislaviensis IFP 2016,Rothia aeria F0474,Rothia dentocariosa ATCC 17931,Rothia dentocariosa M567,Rothia mucilaginosa,Rothia mucilaginosa ATCC 25296,Rothia mucilaginosa M508,Rubrobacter xylanophilus DSM 9941,Saccharomonospora azurea SZMC 14600,Saccharomonospora cyanea NA 134,Saccharomonospora glauca K62,Saccharomonospora paurometabolica YIM 90007,Saccharomonospora viridis DSM 43017,Saccharomonospora xinjiangensis XJ 54,Saccharopolyspora erythraea NRRL 2338,Saccharopolyspora spinosa NRRL 18395,Saccharothrix espanaensis DSM 44229,Salinispora arenicola CNS 205,Salinispora tropica CNB 440,Sanguibacter keddieii DSM 10542,Segniliparus rotundus DSM 44985,Segniliparus rugosus ATCC BAA 974,Slackia CM382,Slackia exigua ATCC 700122,Slackia heliotrinireducens DSM 20476,Slackia piriformis YIT 12062,Stackebrandtia nassauensis DSM 44728,Streptomyces AA4,Streptomyces acidiscabies 84 104,Streptomyces ACT 1,Streptomyces albus J1074,Streptomyces auratus AGR0001,Streptomyces avermitilis MA 4680,Streptomyces bingchenggensis BCW 1,Streptomyces bottropensis ATCC 25435,Streptomyces C,Streptomyces cattleya NRRL 8057,Streptomyces cattleya NRRL 8057 DSM 46488,Streptomyces chartreusis NRRL 12338,Streptomyces clavuligerus ATCC 27064,Streptomyces coelicoflavus ZG0656,Streptomyces coelicolor A3 2,Streptomyces collinus Tu 365,Streptomyces davawensis JCM 4913,Streptomyces e14,Streptomyces flavogriseus ATCC 33331,Streptomyces fulvissimus DSM 40593,Streptomyces gancidicus BKS 13 15,Streptomyces ghanaensis ATCC 14672,Streptomyces globisporus C 1027,Streptomyces griseoaurantiacus M045,Streptomyces griseoflavus Tu4000,Streptomyces griseus NBRC 13350,Streptomyces hygroscopicus ATCC 53653,Streptomyces hygroscopicus jinggangensis 5008,Streptomyces hygroscopicus jinggangensis TL01,Streptomyces lividans TK24,Streptomyces Mg1,Streptomyces mobaraensis NBRC 13819,Streptomyces PAMC26508,Streptomyces pristinaespiralis ATCC 25486,Streptomyces rapamycinicus NRRL 5491,Streptomyces rimosus ATCC 10970,Streptomyces roseosporus NRRL 11379,Streptomyces roseosporus NRRL 15998,Streptomyces S4,Streptomyces SA3 actF,Streptomyces SA3 actG,Streptomyces scabiei 87 22,Streptomyces SirexAA E,Streptomyces SM8,Streptomyces somaliensis DSM 40738,Streptomyces SPB74,Streptomyces SPB78,Streptomyces sviceus ATCC 29083,Streptomyces tsukubaensis NRRL18488,Streptomyces Tu6071,Streptomyces turgidiscabies Car8,Streptomyces venezuelae ATCC 10712,Streptomyces violaceusniger Tu 4113,Streptomyces viridochromogenes DSM 40736,Streptomyces viridochromogenes Tue57,Streptomyces W007,Streptomyces zinciresistens K42,Streptosporangium roseum DSM 43021,Thermobifida fusca YX,Thermobispora bispora DSM 43833,Thermomonospora curvata DSM 43183,Tropheryma whipplei TW08 27,Tropheryma whipplei Twist,Tsukamurella paurometabola DSM 20162,Verrucosispora maris AB 18 032,Xylanimonas cellulosilytica DSM 15894,Adlercreutzia equolifaciens DSM 19450,Brevibacterium linens BL2,Brevibacterium mcbrellneri ATCC 49030,Citricoccus CH26A,Collinsella aerofaciens ATCC 25986,Collinsella intestinalis DSM 13280,Collinsella stercoris DSM 13279,Collinsella tanakaei YIT 12063,Dermacoccus Ellin185,Dietzia alimentaria 72,Dietzia cinnamea P4,Janibacter hoylei PVAS 1,Janibacter HTCC2649,Kineosphaera limosa NBRC 100340,Leucobacter chromiiresistens JG 31,Mobilicoccus pelagius NBRC 104925,Nesterenkonia F,Nocardioidaceae bacterium Broad 1,Parascardovia denticolens DSM 10105,Parascardovia denticolens F0305,Parascardovia denticolens IPLA 20019,Patulibacter I11,Salinibacterium PAMC 21357,Scardovia inopinata F0304,Scardovia wiggsiae F0424,Serinicoccus profundi MCCC 1A05965,Turicella otitidis ATCC 51513,Candidatus Aquiluna IMCC13023,marine actinobacterium PHSC20C1 |
| Aquificae | Hydrogenivirga 128 5 R1 1, Aquifex aeolicus VF5,Desulfurobacterium thermolithotrophum DSM 11699,Hydrogenobacter thermophilus TK 6,Hydrogenobaculum HO,Hydrogenobaculum SN,Hydrogenobaculum Y04AAS1,Persephonella marina EX H1,Sulfurihydrogenibium azorense Az Fu1,Sulfurihydrogenibium yellowstonense SS 5,Sulfurihydrogenibium YO3AOP1,Thermocrinis albus DSM 14484,Thermovibrio ammonificans HB 1 |
| Armatimonadetes | Chthonomonas calidirosea T49 |
| Bacteroidetes | Aequorivita sublithincola DSM 14238,Alistipes finegoldii DSM 17242,Alistipes shahii WAL 8301,Bacteroides CF50,Bacteroides fragilis 638R,Bacteroides fragilis NCTC 9343,Bacteroides fragilis YCH46,Bacteroides helcogenes P 36 108,Bacteroides salanitronis DSM 18170,Bacteroides thetaiotaomicron VPI 5482,Bacteroides vulgatus ATCC 8482,Bacteroides vulgatus EK4 2,Bacteroides vulgatus PC510,Bacteroides xylanisolvens CL03T12C04,Bacteroides xylanisolvens SD CC 1b,Bacteroides xylanisolvens XB1A,Belliella baltica DSM 15883,Blattabacterium Blaberus giganteus,Blattabacterium Blatta orientalis Tarazona,Blattabacterium Blattella germanica Bge,Blattabacterium Cryptocercus punctulatus Cpu,Blattabacterium Mastotermes darwiniensis MADAR,Blattabacterium Nauphoeta cinerea,Blattabacterium Panesthia angustipennis spadica BPAA,Blattabacterium Periplaneta americana BPLAN,Candidatus Amoebophilus asiaticus 5a2,Candidatus Azobacteroides pseudotrichonymphae genomovar CFP2,Candidatus Sulcia muelleri CARI,Candidatus Sulcia muelleri DMIN,Candidatus Sulcia muelleri GWSS,Candidatus Sulcia muelleri Hc Homalodisca coagulata,Candidatus Sulcia muelleri SMDSEM,Candidatus Sulcia muelleri Sulcia ALF,Candidatus Uzinura diaspidicola ASNER,Capnocytophaga canimorsus Cc5,Capnocytophaga CM59,Capnocytophaga gingivalis ATCC 33624,Capnocytophaga ochracea DSM 7271,Capnocytophaga ochracea F0287,Capnocytophaga ochracea Holt 25,Capnocytophaga oral taxon 324 F0483,Capnocytophaga oral taxon 326 F0382,Capnocytophaga oral taxon 329 F0087,Capnocytophaga oral taxon 332 F0381,Capnocytophaga oral taxon 335 F0486,Capnocytophaga oral taxon 338 F0234,Capnocytophaga oral taxon 380 F0488,Capnocytophaga oral taxon 412 F0487,Capnocytophaga sputigena ATCC 33612,Cardinium endosymbiont cEper1 of Encarsia pergandiella,Cellulophaga algicola DSM 14237,Cellulophaga lytica DSM 7489,Chitinophaga pinensis DSM 2588,Croceibacter atlanticus HTCC2559,Cyclobacterium marinum DSM 745,Cytophaga hutchinsonii ATCC 33406,Dyadobacter fermentans DSM 18053,Echinicola vietnamensis DSM 17526,Emticicia oligotrophica DSM 17448,Fibrella aestuarina BUZ 2,Flavobacterium branchiophilum FL 15,Flavobacterium CF136,Flavobacterium columnare ATCC 49512,Flavobacterium F52,Flavobacterium frigoris PS1,Flavobacterium indicum GPTSA100 9,Flavobacterium johnsoniae UW101,Flavobacterium psychrophilum JIP02 86,Flexibacter litoralis DSM 6794,Fluviicola taffensis DSM 16823,Gramella forsetii KT0803,Haliscomenobacter hydrossis DSM 1100,Krokinobacter 4H 3 7 5,Lacinutrix 5H 3 7 4,Leadbetterella byssophila DSM 17132,Marivirga tractuosa DSM 4126,Muricauda ruestringensis DSM 13258,Niastella koreensis GR20 10,Odoribacter laneus YIT 12061,Odoribacter splanchnicus DSM 20712,Ornithobacterium rhinotracheale DSM 15997,Owenweeksia hongkongensis DSM 17368,Paludibacter propionicigenes WB4,Parabacteroides D13,Parabacteroides D25,Parabacteroides distasonis ATCC 8503,Parabacteroides distasonis CL03T12C09,Parabacteroides distasonis CL09T03C24,Parabacteroides goldsteinii CL02T12C30,Parabacteroides johnsonii CL02T12C29,Parabacteroides johnsonii DSM 18315,Parabacteroides merdae ATCC 43184,Parabacteroides merdae CL03T12C32,Parabacteroides merdae CL09T00C40,Pedobacter agri PB92,Pedobacter BAL39,Pedobacter heparinus DSM 2366,Pedobacter saltans DSM 12145,Polaribacter irgensii 23 P,Polaribacter MED152,Porphyromonas asaccharolytica DSM 20707,Porphyromonas asaccharolytica PR426713P I,Porphyromonas catoniae F0037,Porphyromonas endodontalis ATCC 35406,Porphyromonas gingivalis ATCC 33277,Porphyromonas gingivalis TDC60,Porphyromonas gingivalis W50,Porphyromonas gingivalis W83,Porphyromonas oral taxon 279 F0450,Porphyromonas uenonis 60 3,Prevotella amnii CRIS 21A A,Prevotella bergensis DSM 17361,Prevotella bivia DSM 20514,Prevotella bivia JCVIHMP010,Prevotella bryantii B14,Prevotella buccae ATCC 33574,Prevotella buccae D17,Prevotella buccalis ATCC 35310,Prevotella C561,Prevotella copri DSM 18205,Prevotella dentalis DSM 3688,Prevotella denticola CRIS 18C A,Prevotella denticola F0289,Prevotella disiens FB035 09AN,Prevotella histicola F0411,Prevotella intermedia 17,Prevotella maculosa OT 289,Prevotella marshii DSM 16973,Prevotella melaninogenica ATCC 25845,Prevotella melaninogenica D18,Prevotella micans F0438,Prevotella MSX73,Prevotella multiformis DSM 16608,Prevotella multisaccharivorax DSM 17128,Prevotella nigrescens ATCC 33563,Prevotella nigrescens F0103,Prevotella oral taxon 299 F0039,Prevotella oral taxon 302 F0323,Prevotella oral taxon 306 F0472,Prevotella oral taxon 317 F0108,Prevotella oral taxon 472 F0295,Prevotella oral taxon 473 F0040,Prevotella oralis ATCC 33269,Prevotella oris C735,Prevotella oris F0302,Prevotella oulorum F0390,Prevotella pallens ATCC 700821,Prevotella ruminicola 23,Prevotella saccharolytica F0055,Prevotella salivae DSM 15606,Prevotella stercorea DSM 18206,Prevotella tannerae ATCC 51259,Prevotella timonensis CRIS 5C B1,Prevotella veroralis F0319,Psychroflexus torquis ATCC 700755,Rhodothermus marinus DSM 4252,Rhodothermus marinus SG0 5JP17 172,Riemerella anatipestifer ATCC 11845 DSM 15868,Riemerella anatipestifer RA CH 1,Riemerella anatipestifer RA CH 2,Riemerella anatipestifer RA GD,Riemerella anatipestifer RA YM,Robiginitalea biformata HTCC2501,Runella slithyformis DSM 19594,Salinibacter ruber DSM 13855,Salinibacter ruber M8,Saprospira grandis DSM 2844,Saprospira grandis Lewin,Solitalea canadensis DSM 3403,Sphingobacterium 21,Sphingobacterium spiritivorum ATCC 33300,Sphingobacterium spiritivorum ATCC 33861,Spirosoma linguale DSM 74,Tannerella 6 1 58FAA CT1,Tannerella forsythia ATCC 43037,Weeksella virosa DSM 16922,Zobellia galactanivorans,Zunongwangia profunda SM A87,Bacteroidetes oral taxon 274 F0058,Elizabethkingia anophelis Ag1,Elizabethkingia anophelis R26,Flavobacteriaceae bacterium 3519 10,Flavobacteriaceae bacterium HQM9,Flavobacteriaceae bacterium S85,Flavobacteriales bacterium ALC 1,Flavobacteriales bacterium HTCC2170,Barnesiella intestinihominis YIT 11860,Bergeyella zoohelcum ATCC 43767,Bergeyella zoohelcum CCUG 30536,Bizionia argentinensis JUB59,Cecembia lonarensis LW9,Cesiribacter andamanensis AMV16,Dysgonomonas gadei ATCC BAA 286,Dysgonomonas mossii DSM 22836,Fibrisoma limi,Fulvivirga imtechensis AK7,Galbibacter ck I2 15,Gillisia CBA3202,Gillisia limnaea DSM 15749,Imtechella halotolerans K1,Indibacter alkaliphilus LW1,Joostella marina DSM 19592,Kordia algicida OT 1,Leeuwenhoekiella blandensis MED217,Marinilabilia AK2,Marinilabilia salmonicolor JCM 21150,Mariniradius saccharolyticus AK6,Mesoflavibacter zeaxanthinifaciens S86,Microscilla marina ATCC 23134,Mucilaginibacter paludis DSM 18603,Myroides injenensis M09 0166,Myroides odoratimimus CCUG 10230,Myroides odoratimimus CCUG 12901,Myroides odoratimimus CCUG 3837,Myroides odoratimimus CIP 101113,Myroides odoratimimus CIP 103059,Myroides odoratus DSM 2801,Niabella soli DSM 19437,Nitritalea halalkaliphila LW7,Paraprevotella clara YIT 11840,Paraprevotella xylaniphila YIT 11841,Pontibacter BAB1700,Oribacterium ACB1,Oribacterium ACB7,Chryseobacterium CF314,Chryseobacterium gleum ATCC 35910,Persicivirga dokdonensis DSW 6,Flavobacteria bacterium BAL38,Flavobacteria bacterium BBFL7,Flavobacteria bacterium MS024 2A,Flavobacteria bacterium MS024 3C,Oribacterium ACB8,Oribacterium oral taxon 078 F0262,Oribacterium oral taxon 108 F0425,Oribacterium sinus F0268 |
| Chlorobi | Chlorobaculum parvum NCIB 8327,Chlorobium chlorochromatii CaD3,Chlorobium ferrooxidans DSM 13031,Chlorobium limicola DSM 245,Chlorobium luteolum DSM 273,Chlorobium phaeobacteroides BS1,Chlorobium phaeobacteroides DSM 266,Chlorobium phaeovibrioides DSM 265,Chlorobium tepidum TLS,Chloroherpeton thalassium ATCC 35110,Ignavibacterium album JCM 16511,Melioribacter roseus P3M,Pelodictyon phaeoclathratiforme BU 1,Prosthecochloris aestuarii DSM 271 |
| Caldiserica | Caldisericum\_exile\_AZM16c01 |
| Chlamydiae | Chlamydia muridarum MopnTet14,Chlamydia muridarum Nigg,Chlamydia muridarum Weiss,Chlamydia pecorum P787,Chlamydia pecorum PV3056 3,Chlamydia pecorum W73,Chlamydia psittaci 01DC12,Chlamydia psittaci 84 55,Chlamydia psittaci GR9,Chlamydia psittaci M56,Chlamydia psittaci MN,Chlamydia psittaci VS225,Chlamydia psittaci WC,Chlamydia psittaci WS RT E30,Chlamydia trachomatis,Chlamydia trachomatis 434 Bu,Chlamydia trachomatis 6276,Chlamydia trachomatis 6276s,Chlamydia trachomatis 70,Chlamydia trachomatis 70s,Chlamydia trachomatis A2497,Chlamydia trachomatis A 363,Chlamydia trachomatis A 5291,Chlamydia trachomatis A HAR 13,Chlamydia trachomatis B Jali20 OT,Chlamydia trachomatis B TZ1A828 OT,Chlamydia trachomatis C TW 3,Chlamydia trachomatis D EC,Chlamydia trachomatis D LC,Chlamydia trachomatis D s 2923,Chlamydia trachomatis D SotonD1,Chlamydia trachomatis D SotonD5,Chlamydia trachomatis D SotonD6,Chlamydia trachomatis D UW 3 CX,Chlamydia trachomatis E 11023,Chlamydia trachomatis E 150,Chlamydia trachomatis E Bour,Chlamydia trachomatis E SotonE8,Chlamydia trachomatis E SW3,Chlamydia trachomatis F SW4,Chlamydia trachomatis F SW5,Chlamydia trachomatis G 11074,Chlamydia trachomatis G 11222,Chlamydia trachomatis G 9301,Chlamydia trachomatis G 9768,Chlamydia trachomatis G SotonG1,Chlamydia trachomatis Ia SotonIa1,Chlamydia trachomatis IU824,Chlamydia trachomatis IU888,Chlamydia trachomatis J 6276tet1,Chlamydia trachomatis K SotonK1,Chlamydia trachomatis L1 115,Chlamydia trachomatis L1 224,Chlamydia trachomatis L1 440 LN,Chlamydia trachomatis L2 25667R,Chlamydia trachomatis L2 434 Bu f,Chlamydia trachomatis L2 434 Bu i,Chlamydia trachomatis L2b 795,Chlamydia trachomatis L2b 8200 07,Chlamydia trachomatis L2b Ams1,Chlamydia trachomatis L2b Ams2,Chlamydia trachomatis L2b Ams3,Chlamydia trachomatis L2b Ams4,Chlamydia trachomatis L2b Ams5,Chlamydia trachomatis L2b Canada1,Chlamydia trachomatis L2b Canada2,Chlamydia trachomatis L2b CV204,Chlamydia trachomatis L2b UCH 1 proctitis,Chlamydia trachomatis L2b UCH 2,Chlamydia trachomatis L2c,Chlamydia trachomatis L2tet1,Chlamydia trachomatis L3 404 LN,Chlamydia trachomatis RC F 69,Chlamydia trachomatis RC F s 342,Chlamydia trachomatis RC F s 852,Chlamydia trachomatis RC J 943,Chlamydia trachomatis RC J 953,Chlamydia trachomatis RC J 966,Chlamydia trachomatis RC J 971,Chlamydia trachomatis RC J s 122,Chlamydia trachomatis RC L2 55,Chlamydia trachomatis RC L2 s 3,Chlamydia trachomatis RC L2 s 46,Chlamydia trachomatis Sweden2,Chlamydophila abortus LLG,Chlamydophila abortus S26 3,Chlamydophila caviae GPIC,Chlamydophila felis Fe C 56,Chlamydophila pecorum E58,Chlamydophila pneumoniae AR39,Chlamydophila pneumoniae CWL029,Chlamydophila pneumoniae J138,Chlamydophila pneumoniae LPCoLN,Chlamydophila pneumoniae TW 183,Chlamydophila psittaci 01DC11,Chlamydophila psittaci 02DC15,Chlamydophila psittaci 08DC60,Chlamydophila psittaci 6BC,Chlamydophila psittaci C19 98,Chlamydophila psittaci Cal10,Chlamydophila psittaci CP3,Chlamydophila psittaci Mat116,Chlamydophila psittaci NJ1,Chlamydophila psittaci RD1,Parachlamydia acanthamoebae Hall s coccus,Parachlamydia acanthamoebae UV7,Simkania negevensis Z,Waddlia chondrophila WSU 86 1044 |
| Lentisphaerae | Lentisphaera araneosa HTCC2155 |
| Verrucomicrobia | Akkermansia muciniphila ATCC BAA 835,Coraliomargarita akajimensis DSM 45221,Methylacidiphilum fumariolicum,Methylacidiphilum infernorum V4,Opitutus terrae PB90 1,Chthoniobacter flavus Ellin428,Verrucomicrobium spinosum DSM 4136,Opitutaceae bacterium TAV1,Opitutaceae bacterium TAV5,Verrucomicrobiae bacterium DG1235 |
| Chloroflexi | Ktedonobacter racemifer DSM 44963,Oscillochloris trichoides DG6,Nitrolancetus hollandicus Lb,Anaerolinea thermophila UNI 1,Caldilinea aerophila DSM 14535 NBRC 104270,Chloroflexus aggregans DSM 9485,Chloroflexus aurantiacus J 10 fl,Chloroflexus Y 400 fl,Dehalococcoides BAV1,Dehalococcoides CBDB1,Dehalococcoides ethenogenes 195,Dehalococcoides GT,Dehalococcoides mccartyi BTF08,Dehalococcoides mccartyi DCMB5,Dehalococcoides mccartyi GY50,Dehalococcoides VS,Dehalogenimonas lykanthroporepellens BL DC 9,Herpetosiphon aurantiacus DSM 785,Roseiflexus castenholzii DSM 13941,Roseiflexus RS 1,Sphaerobacter thermophilus DSM 20745,Thermomicrobium roseum DSM 5159, Thermobaculum terrenum ATCC BAA 798\* |
| Chrysiogenetes | Desulfurispirillum indicum S5 |
| Cyanobacteria | Acaryochloris marina MBIC11017,Anabaena 90,Anabaena cylindrica PCC 7122,Anabaena variabilis ATCC 29413,Arthrospira platensis NIES 39,Calothrix PCC 6303,Calothrix PCC 7507,Chamaesiphon PCC 6605,Chroococcidiopsis thermalis PCC 7203,Crinalium epipsammum PCC 9333,Cyanobacterium PCC 10605,Cyanobacterium stanieri PCC 7202,Cyanobium gracile PCC 6307,Cyanobium PCC 7001,Cyanothece ATCC 51142,Cyanothece ATCC 51472,Cyanothece CCY0110,Cyanothece PCC 7424,Cyanothece PCC 7425,Cyanothece PCC 7822,Cyanothece PCC 8801,Cyanothece PCC 8802,Cylindrospermum stagnale PCC 7417,Dactylococcopsis salina PCC 8305,Geitlerinema PCC 7407,Gloeobacter JS,Gloeobacter violaceus PCC 7421,Gloeocapsa PCC 73106,Gloeocapsa PCC 7428,Halothece PCC 7418,Leptolyngbya PCC 6406,Leptolyngbya PCC 7375,Leptolyngbya PCC 7376,Leptolyngbya valderiana BDU 20041,Microcoleus chthonoplastes PCC 7420,Microcoleus PCC 7113,Microcoleus vaginatus FGP 2,Microcystis aeruginosa DIANCHI905,Microcystis aeruginosa NIES 843,Microcystis aeruginosa PCC 7941,Microcystis aeruginosa PCC 9432,Microcystis aeruginosa PCC 9443,Microcystis aeruginosa PCC 9701,Microcystis aeruginosa PCC 9717,Microcystis aeruginosa PCC 9806,Microcystis aeruginosa PCC 9807,Microcystis aeruginosa PCC 9808,Microcystis aeruginosa PCC 9809,Microcystis aeruginosa TAIHU98,Microcystis T1 4,Nostoc azollae 0708,Nostoc PCC 7107,Nostoc PCC 7120,Nostoc PCC 7524,Nostoc punctiforme PCC 73102,Oscillatoria acuminata PCC 6304,Oscillatoria PCC 6506,Oscillatoria PCC 7112,Pleurocapsa PCC 7327,Prochlorococcus marinus AS9601,Prochlorococcus marinus CCMP1375,Prochlorococcus marinus MIT 9202,Prochlorococcus marinus MIT 9211,Prochlorococcus marinus MIT 9215,Prochlorococcus marinus MIT 9301,Prochlorococcus marinus MIT 9303,Prochlorococcus marinus MIT 9312,Prochlorococcus marinus MIT 9313,Prochlorococcus marinus MIT 9515,Prochlorococcus marinus NATL1A,Prochlorococcus marinus NATL2A,Prochlorococcus marinus pastoris CCMP1986,Pseudanabaena biceps PCC 7429,Pseudanabaena PCC 7367,Rivularia PCC 7116,Stanieria cyanosphaera PCC 7437,Synechococcus BL107,Synechococcus CB0101,Synechococcus CB0205,Synechococcus CC9311,Synechococcus CC9605,Synechococcus CC9902,Synechococcus elongatus PCC 6301,Synechococcus elongatus PCC 7942,Synechococcus JA 2 3B a 2 13,Synechococcus JA 3 3Ab,Synechococcus PCC 6312,Synechococcus PCC 7002,Synechococcus PCC 7335,Synechococcus PCC 7502,Synechococcus RCC307,Synechococcus RS9916,Synechococcus RS9917,Synechococcus WH 5701,Synechococcus WH 7803,Synechococcus WH 7805,Synechococcus WH 8016,Synechococcus WH 8102,Synechococcus WH 8109,Synechocystis PCC 6803,Synechocystis PCC 6803 substr GT I,Synechocystis PCC 6803 substr PCC N,Synechocystis PCC 7509,Thermosynechococcus elongatus BP 1,Thermosynechococcus NK55,Trichodesmium erythraeum IMS101,Crocosphaera watsonii WH 0003,Crocosphaera watsonii WH 8501,Cylindrospermopsis raciborskii CS 505,Fischerella JSC 11,Lyngbya majuscula 3L,Lyngbya PCC 8106,Nodularia spumigena CCY9414,Oscillatoriales cyanobacterium JSC 12,Raphidiopsis brookii D9,Richelia intracellularis HH01,Richelia intracellularis HM01,Xenococcus PCC 7305 |
| Deferribacteres | Calditerrivibrio nitroreducens DSM 19672,Deferribacter desulfuricans SSM1,Denitrovibrio acetiphilus DSM 12809,Flexistipes sinusarabici DSM 4947 |
| Deinococcus-Thermus | Deinococcus deserti VCD115,Deinococcus geothermalis DSM 11300,Deinococcus gobiensis I 0,Deinococcus maricopensis DSM 21211,Deinococcus peraridilitoris DSM 19664,Deinococcus proteolyticus MRP,Deinococcus radiodurans R1,Marinithermus hydrothermalis DSM 14884,Meiothermus ruber DSM 1279,Meiothermus silvanus DSM 9946,Oceanithermus profundus DSM 14977,Thermus aquaticus Y51MC23,Thermus CCB US3 UF1,Thermus oshimai JL 2,Thermus RLM,Thermus scotoductus SA 01,Thermus thermophilus HB8,Thermus thermophilus JL 18,Thermus thermophilus SG0 5JP17 16,Truepera radiovictrix DSM 17093 |
| Dictyoglomi | Dictyoglomus thermophilum H 6 12, Dictyoglomus turgidum DSM 6724 |
| Elusimicrobia | Elusimicrobium minutum Pei191 |
| Acidobacteria | Acidobacterium capsulatum ATCC 51196,Acidobacterium MP5ACTX9,Candidatus Chloracidobacterium thermophilum B,Candidatus Koribacter versatilis Ellin345,Candidatus Solibacter usitatus Ellin6076,Granulicella mallensis MP5ACTX8,Terriglobus roseus DSM 18391,Terriglobus saanensis SP1PR4,Holophaga foetida DSM 6591 |
| Fibrobacteres | Fibrobacter succinogenes S85 |
| Firmicutes | Acetobacterium woodii DSM 1030,Acetohalobium arabaticum DSM 5501,Acidaminococcus fermentans DSM 20731,Acidaminococcus intestini RyC MR95,Aerococcus urinae ACS 120 V Col10a,Alicyclobacillus acidocaldarius DSM 446,Alicyclobacillus acidocaldarius Tc 4 1,Alkaliphilus metalliredigens QYMF,Alkaliphilus oremlandii OhILAs,Ammonifex degensii KC4,Amphibacillus xylanus NBRC 15112,Anaerococcus prevotii DSM 20548,Anoxybacillus flavithermus WK1,Bacillus 1NLA3E,Bacillus amyloliquefaciens CC178,Bacillus amyloliquefaciens DSM 7,Bacillus amyloliquefaciens FZB42,Bacillus amyloliquefaciens IT 45,Bacillus amyloliquefaciens LFB112,Bacillus amyloliquefaciens LL3,Bacillus amyloliquefaciens plantarum AS43 3,Bacillus amyloliquefaciens plantarum CAU B946,Bacillus amyloliquefaciens plantarum NAU B3,Bacillus amyloliquefaciens plantarum UCMB5033,Bacillus amyloliquefaciens plantarum UCMB5036,Bacillus amyloliquefaciens plantarum UCMB5113,Bacillus amyloliquefaciens plantarum YAU B9601 Y2,Bacillus amyloliquefaciens TA208,Bacillus amyloliquefaciens XH7,Bacillus amyloliquefaciens Y2,Bacillus anthracis Ames Ancestor,Bacillus anthracis A0248,Bacillus anthracis Ames,Bacillus anthracis CDC 684,Bacillus anthracis H9401,Bacillus anthracis Sterne,Bacillus atrophaeus 1942,Bacillus cellulosilyticus DSM 2522,Bacillus cereus 03BB102,Bacillus cereus AH187,Bacillus cereus AH820,Bacillus cereus ATCC 10987,Bacillus cereus ATCC 14579,Bacillus cereus B4264,Bacillus cereus biovar anthracis CI,Bacillus cereus E33L,Bacillus cereus F837 76,Bacillus cereus FRI 35,Bacillus cereus G9842,Bacillus cereus NC7401,Bacillus cereus Q1,Bacillus clausii KSM K16,Bacillus coagulans 2 6,Bacillus coagulans 36D1,Bacillus cytotoxicus NVH 391 98,Bacillus halodurans C 125,Bacillus infantis NRRL B 14911,Bacillus JS,Bacillus licheniformis 9945A,Bacillus licheniformis ATCC 14580,Bacillus licheniformis DSM 13 ATCC 14580,Bacillus megaterium DSM319,Bacillus megaterium QM B1551,Bacillus megaterium WSH 002,Bacillus pseudofirmus OF4,Bacillus pumilus SAFR 032,Bacillus selenitireducens MLS10,Bacillus subtilis 168,Bacillus subtilis 6051 HGW,Bacillus subtilis BAB 1,Bacillus subtilis BSn5,Bacillus subtilis BSP1,Bacillus subtilis natto BEST195,Bacillus subtilis PY79,Bacillus subtilis QB928,Bacillus subtilis RO NN 1,Bacillus subtilis spizizenii TU B 10,Bacillus subtilis spizizenii W23,Bacillus subtilis XF 1,Bacillus thuringiensis Al Hakam,Bacillus thuringiensis BMB171,Bacillus thuringiensis Bt407,Bacillus thuringiensis HD 771,Bacillus thuringiensis HD 789,Bacillus thuringiensis MC28,Bacillus thuringiensis serovar chinensis CT 43,Bacillus thuringiensis serovar finitimus YBT 020,Bacillus thuringiensis serovar IS5056,Bacillus thuringiensis serovar konkukian 97 27,Bacillus thuringiensis serovar kurstaki HD73,Bacillus thuringiensis YBT 1518,Bacillus toyonensis BCT 7112,Bacillus weihenstephanensis KBAB4,Brevibacillus agri BAB 2500,Brevibacillus BC25,Brevibacillus brevis NBRC 100599,Brevibacillus CF112,Brevibacillus laterosporus GI 9,Brevibacillus laterosporus LMG 15441,Butyrivibrio crossotus DSM 2876,Butyrivibrio fibrisolvens,Butyrivibrio proteoclasticus B316,Caldicellulosiruptor bescii DSM 6725,Caldicellulosiruptor hydrothermalis 108,Caldicellulosiruptor kristjanssonii 177R1B,Caldicellulosiruptor kronotskyensis 2002,Caldicellulosiruptor lactoaceticus 6A,Caldicellulosiruptor obsidiansis OB47,Caldicellulosiruptor owensensis OL,Caldicellulosiruptor saccharolyticus DSM 8903,Candidatus Arthromitus SFB 1,Candidatus Arthromitus SFB 2,Candidatus Arthromitus SFB 3,Candidatus Arthromitus SFB 4,Candidatus Arthromitus SFB 5,Candidatus Arthromitus SFB co,Candidatus Arthromitus SFB mouse Japan,Candidatus Arthromitus SFB mouse NYU,Candidatus Arthromitus SFB mouse SU,Candidatus Arthromitus SFB mouse Yit,Candidatus Arthromitus SFB rat Yit,Candidatus Desulforudis audaxviator MP104C,Carboxydothermus hydrogenoformans Z 2901,Carnobacterium 17 4,Carnobacterium AT7,Carnobacterium maltaromaticum ATCC 35586,Carnobacterium maltaromaticum LMA28,Carnobacterium WN1359,Clostridiales bacterium 1 7 47FAA,Clostridiales bacterium OBRC5 5,Clostridiales genomosp BVAB3 UPII9 5,Clostridium 7 2 43FAA,Clostridium 7 3 54FAA,Clostridium sticklandii,Clostridium acetobutylicum ATCC 824,Clostridium acetobutylicum DSM 1731,Clostridium acetobutylicum EA 2018,Clostridium acidurici 9a,Clostridium arbusti SL206,Clostridium asparagiforme DSM 15981,Clostridium autoethanogenum DSM 10061,Clostridium bartlettii DSM 16795,Clostridium beijerinckii NCIMB 8052,Clostridium BNL1100,Clostridium bolteae ATCC BAA 613,Clostridium botulinum A2 Kyoto,Clostridium botulinum A3 Loch Maree,Clostridium botulinum A ATCC 19397,Clostridium botulinum A ATCC 3502,Clostridium botulinum A Hall,Clostridium botulinum B1 Okra,Clostridium botulinum B Eklund 17B,Clostridium botulinum Ba4 657,Clostridium botulinum Bf,Clostridium botulinum BKT015925,Clostridium botulinum C Eklund,Clostridium botulinum C Stockholm,Clostridium botulinum CFSAN001627,Clostridium botulinum CFSAN001628,Clostridium botulinum D 1873,Clostridium botulinum E1 BoNT E Beluga,Clostridium botulinum E3 Alaska E43,Clostridium botulinum F 230613,Clostridium botulinum F Langeland,Clostridium botulinum H04402 065,Clostridium botulinum NCTC 2916,Clostridium butyricum 5521,Clostridium butyricum E4 BoNT E BL5262,Clostridium carboxidivorans P7,Clostridium celatum DSM 1785,Clostridium cellulolyticum H10,Clostridium cellulovorans 743B,Clostridium cf saccharolyticum K10,Clostridium citroniae WAL 17108,Clostridium clariflavum DSM 19732,Clostridium clostridioforme 2 1 49FAA,Clostridium D5,Clostridium difficile 002 P50 2011,Clostridium difficile 050 P50 2011,Clostridium difficile 630,Clostridium difficile 70 100 2010,Clostridium difficile ATCC 43255,Clostridium difficile BI1,Clostridium difficile CD196,Clostridium difficile CIP 107932,Clostridium difficile NAP07,Clostridium difficile NAP08,Clostridium difficile QCD 23m63,Clostridium difficile QCD 32g58,Clostridium difficile QCD 37x79,Clostridium difficile QCD 63q42,Clostridium difficile QCD 66c26,Clostridium difficile QCD 76w55,Clostridium difficile QCD 97b34,Clostridium difficile R20291,Clostridium DL VIII,Clostridium hathewayi DSM 13479,Clostridium hathewayi WAL 18680,Clostridium HGF2,Clostridium hiranonis DSM 13275,Clostridium hylemonae DSM 15053,Clostridium JC122,Clostridium kluyveri DSM 555,Clostridium kluyveri NBRC 12016,Clostridium L2 50,Clostridium lentocellum DSM 5427,Clostridium leptum DSM 753,Clostridium ljungdahlii DSM 13528,Clostridium M62 1,Clostridium Maddingley MBC34 26,Clostridium methylpentosum DSM 5476,Clostridium MSTE9,Clostridium nexile DSM 1787,Clostridium novyi NT,Clostridium papyrosolvens DSM 2782,Clostridium pasteurianum BC1,Clostridium pasteurianum DSM 525,Clostridium perfringens 13,Clostridium perfringens ATCC 13124,Clostridium perfringens B ATCC 3626,Clostridium perfringens C JGS1495,Clostridium perfringens CPE F4969,Clostridium perfringens D 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eutactus ATCC 27759,Coprothermobacter proteolyticus DSM 5265,Dehalobacter 11DCA,Dehalobacter CF,Desulfitobacterium dehalogenans ATCC 51507,Desulfitobacterium dichloroeliminans LMG P 21439,Desulfitobacterium hafniense DCB 2,Desulfitobacterium hafniense DP7,Desulfitobacterium hafniense Y51,Desulfitobacterium metallireducens DSM 15288,Desulfosporosinus acidiphilus SJ4,Desulfosporosinus meridiei DSM 13257,Desulfosporosinus orientis DSM 765,Desulfosporosinus OT,Desulfosporosinus youngiae DSM 17734,Desulfotomaculum acetoxidans DSM 771,Desulfotomaculum carboxydivorans CO 1 SRB,Desulfotomaculum gibsoniae DSM 7213,Desulfotomaculum hydrothermale Lam5 DSM 18033,Desulfotomaculum kuznetsovii DSM 6115,Desulfotomaculum nigrificans DSM 574,Desulfotomaculum reducens MI 1,Desulfotomaculum ruminis DSM 2154,Enterococcus 7L76,Enterococcus C1,Enterococcus casseliflavus ATCC 12755,Enterococcus casseliflavus EC10,Enterococcus casseliflavus EC20,Enterococcus casseliflavus EC30,Enterococcus durans FB129 CNAB 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31,Eubacterium AS15,Eubacterium biforme DSM 3989,Eubacterium cellulosolvens 6,Eubacterium cylindroides T2 87,Eubacterium dolichum DSM 3991,Eubacterium eligens ATCC 27750,Eubacterium hadrum DSM 3319,Eubacterium hallii DSM 3353,Eubacterium infirmum F0142,Eubacterium limosum KIST612,Eubacterium rectale,Eubacterium rectale ATCC 33656,Eubacterium saburreum DSM 3986,Eubacterium saburreum F0468,Eubacterium saphenum ATCC 49989,Eubacterium siraeum,Eubacterium siraeum DSM 15702,Eubacterium siraeum V10Sc8a,Eubacterium ventriosum ATCC 27560,Eubacterium yurii margaretiae ATCC 43715,Exiguobacterium antarcticum B7,Exiguobacterium AT1b,Exiguobacterium MH3,Exiguobacterium sibiricum 255 15,Faecalibacterium cf prausnitzii KLE1255,Faecalibacterium prausnitzii,Faecalibacterium prausnitzii A2 165,Faecalibacterium prausnitzii L2 6,Faecalibacterium prausnitzii M21 2,Filifactor alocis ATCC 35896,Finegoldia magna ACS 171 V Col3,Finegoldia magna ATCC 29328,Finegoldia magna ATCC 53516,Finegoldia magna 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33323,Lactobacillus gasseri CECT 5714,Lactobacillus gasseri JV V03,Lactobacillus gasseri MV 22,Lactobacillus gastricus PS3,Lactobacillus gigeriorum CRBIP 24 85,Lactobacillus helveticus CNRZ32,Lactobacillus helveticus DPC 4571,Lactobacillus helveticus DSM 20075,Lactobacillus helveticus H10,Lactobacillus helveticus MTCC 5463,Lactobacillus helveticus R0052,Lactobacillus hilgardii ATCC 8290,Lactobacillus hominis CRBIP 24 179,Lactobacillus iners AB 1,Lactobacillus iners ATCC 55195,Lactobacillus iners DSM 13335,Lactobacillus iners LactinV 01V1 a,Lactobacillus iners LactinV 03V1 b,Lactobacillus iners LactinV 09V1 c,Lactobacillus iners LactinV 11V1 d,Lactobacillus iners LEAF 2052A d,Lactobacillus iners LEAF 2053A b,Lactobacillus iners LEAF 2062A h1,Lactobacillus iners LEAF 3008A a,Lactobacillus iners SPIN 1401G,Lactobacillus iners SPIN 2503V10 D,Lactobacillus iners UPII 143 D,Lactobacillus iners UPII 60 B,Lactobacillus jensenii 1153,Lactobacillus jensenii 115 3 CHN,Lactobacillus jensenii 269 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23,Lactobacillus reuteri ATCC 53608,Lactobacillus reuteri CF48 3A,Lactobacillus reuteri DSM 20016,Lactobacillus reuteri I5007,Lactobacillus reuteri JCM 1112,Lactobacillus reuteri MM2 3,Lactobacillus reuteri MM4 1A,Lactobacillus reuteri SD2112,Lactobacillus reuteri TD1,Lactobacillus rhamnosus ATCC 21052,Lactobacillus rhamnosus ATCC 8530,Lactobacillus rhamnosus GG,Lactobacillus rhamnosus HN001,Lactobacillus rhamnosus Lc 705,Lactobacillus rhamnosus LMS2 1,Lactobacillus rhamnosus LOCK900,Lactobacillus rhamnosus LOCK908,Lactobacillus rhamnosus LRHMDP2,Lactobacillus rhamnosus LRHMDP3,Lactobacillus rhamnosus MTCC 5462,Lactobacillus rhamnosus R0011,Lactobacillus ruminis ATCC 25644,Lactobacillus ruminis ATCC 27782,Lactobacillus ruminis SPM0211,Lactobacillus sakei 23K,Lactobacillus salivarius ACS 116 V Col5a,Lactobacillus salivarius ATCC 11741,Lactobacillus salivarius CECT 5713,Lactobacillus salivarius GJ 24,Lactobacillus salivarius NIAS840,Lactobacillus salivarius SMXD51,Lactobacillus 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P16,Streptococcus ictaluri 707 05,Streptococcus infantarius ATCC BAA 102,Streptococcus infantarius CJ18,Streptococcus infantis ATCC 700779,Streptococcus infantis SK1076,Streptococcus infantis SK1302,Streptococcus infantis SK970,Streptococcus infantis X,Streptococcus iniae 9117,Streptococcus iniae SF1,Streptococcus intermedius B196,Streptococcus intermedius C270,Streptococcus intermedius F0395,Streptococcus intermedius F0413,Streptococcus intermedius JTH08,Streptococcus intermedius SK54,Streptococcus lutetiensis 033,Streptococcus M143,Streptococcus M334,Streptococcus macacae NCTC 11558,Streptococcus macedonicus ACA DC 198,Streptococcus mitis ATCC 6249,Streptococcus mitis B6,Streptococcus mitis bv 2 F0392,Streptococcus mitis bv 2 SK95,Streptococcus mitis NCTC 12261,Streptococcus mitis SK1073,Streptococcus mitis SK1080,Streptococcus mitis SK321,Streptococcus mitis SK564,Streptococcus mitis SK569,Streptococcus mitis SK575,Streptococcus mitis SK579,Streptococcus mitis SK597,Streptococcus mitis SK616,Streptococcus mitis SPAR10,Streptococcus mutans 11A1,Streptococcus mutans 11SSST2,Streptococcus mutans 11VS1,Streptococcus mutans 14D,Streptococcus mutans 15JP3,Streptococcus mutans 15VF2,Streptococcus mutans 1ID3,Streptococcus mutans 1SM1,Streptococcus mutans 21,Streptococcus mutans 24,Streptococcus mutans 2ST1,Streptococcus mutans 2VS1,Streptococcus mutans 3SN1,Streptococcus mutans 4SM1,Streptococcus mutans 4VF1,Streptococcus mutans 5DC8,Streptococcus mutans 5SM3,Streptococcus mutans 66 2A,Streptococcus mutans 8ID3,Streptococcus mutans A19,Streptococcus mutans A9,Streptococcus mutans AC4446,Streptococcus mutans ATCC 25175,Streptococcus mutans B,Streptococcus mutans G123,Streptococcus mutans GS 5,Streptococcus mutans KK21,Streptococcus mutans KK23,Streptococcus mutans LJ23,Streptococcus mutans M21,Streptococcus mutans M230,Streptococcus mutans M2A,Streptococcus mutans N29,Streptococcus mutans N3209,Streptococcus mutans N34,Streptococcus mutans N66,Streptococcus mutans NCTC 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pneumoniae TCH8431 19A,Streptococcus pneumoniae TIGR4,Streptococcus porcinus Jelinkova 176,Streptococcus pseudopneumoniae ATCC BAA 960,Streptococcus pseudopneumoniae IS7493,Streptococcus pseudopneumoniae SK674,Streptococcus pseudoporcinus LQ 940 04,Streptococcus pseudoporcinus SPIN 20026,Streptococcus pyogenes A20,Streptococcus pyogenes Alab49,Streptococcus pyogenes ATCC 10782,Streptococcus pyogenes HKU QMH11M0907901,Streptococcus pyogenes HSC5,Streptococcus pyogenes M1 476,Streptococcus pyogenes M1 GAS,Streptococcus pyogenes M49 591,Streptococcus pyogenes Manfredo,Streptococcus pyogenes MGAS10270,Streptococcus pyogenes MGAS10394,Streptococcus pyogenes MGAS10750,Streptococcus pyogenes MGAS15252,Streptococcus pyogenes MGAS1882,Streptococcus pyogenes MGAS2096,Streptococcus pyogenes MGAS315,Streptococcus pyogenes MGAS5005,Streptococcus pyogenes MGAS6180,Streptococcus pyogenes MGAS8232,Streptococcus pyogenes MGAS9429,Streptococcus pyogenes NS88 2,Streptococcus pyogenes NZ131,Streptococcus pyogenes SSI 1,Streptococcus ratti FA 1,Streptococcus ratti FA 1 DSM 20564,Streptococcus salivarius 57 I,Streptococcus salivarius CCHSS3,Streptococcus salivarius JIM8777,Streptococcus salivarius K12,Streptococcus salivarius M18,Streptococcus salivarius PS4,Streptococcus salivarius SK126,Streptococcus sanguinis ATCC 29667,Streptococcus sanguinis ATCC 49296,Streptococcus sanguinis SK1,Streptococcus sanguinis SK1056,Streptococcus sanguinis SK1057,Streptococcus sanguinis SK1058,Streptococcus sanguinis SK1059,Streptococcus sanguinis SK1087,Streptococcus sanguinis SK115,Streptococcus sanguinis SK150,Streptococcus sanguinis SK160,Streptococcus sanguinis SK330,Streptococcus sanguinis SK340,Streptococcus sanguinis SK353,Streptococcus sanguinis SK355,Streptococcus sanguinis SK36,Streptococcus sanguinis SK405,Streptococcus sanguinis SK408,Streptococcus sanguinis SK49,Streptococcus sanguinis SK678,Streptococcus sanguinis SK72,Streptococcus sanguinis VMC66,Streptococcus SK140,Streptococcus SK643,Streptococcus sobrinus DSM 20742,Streptococcus suis 05HAH33,Streptococcus suis 05ZYH33,Streptococcus suis 89 1591,Streptococcus suis 98HAH33,Streptococcus suis A7,Streptococcus suis BM407,Streptococcus suis D12,Streptococcus suis D9,Streptococcus suis GZ1,Streptococcus suis JS14,Streptococcus suis P1 7,Streptococcus suis R61,Streptococcus suis S735,Streptococcus suis SC070731,Streptococcus suis SC84,Streptococcus suis SS12,Streptococcus suis ST1,Streptococcus suis ST3,Streptococcus suis T15,Streptococcus suis TL13,Streptococcus thermophilus CNCM I 1630,Streptococcus thermophilus CNRZ1066,Streptococcus thermophilus JIM 8232,Streptococcus thermophilus LMD 9,Streptococcus thermophilus LMG 18311,Streptococcus thermophilus MN ZLW 002,Streptococcus thermophilus MTCC 5460,Streptococcus thermophilus MTCC 5461,Streptococcus thermophilus ND03,Streptococcus tigurinus 1366,Streptococcus tigurinus AZ 3a,Streptococcus uberis 0140J,Streptococcus urinalis 2285 97,Streptococcus urinalis FB127 CNA 2,Streptococcus vestibularis ATCC 49124,Streptococcus vestibularis F0396,Sulfobacillus acidophilus DSM 10332,Sulfobacillus acidophilus TPY,Symbiobacterium thermophilum IAM 14863,Syntrophobotulus glycolicus DSM 8271,Syntrophomonas wolfei Goettingen,Syntrophothermus lipocalidus DSM 12680,Tepidanaerobacter acetatoxydans Re1,Tepidanaerobacter Re1,Tetragenococcus halophilus,Thermacetogenium phaeum DSM 12270,Thermaerobacter marianensis DSM 12885,Thermaerobacter subterraneus DSM 13965,Thermincola potens JR,Thermoanaerobacter brockii finnii Ako 1,Thermoanaerobacter ethanolicus CCSD1,Thermoanaerobacter ethanolicus JW 200,Thermoanaerobacter italicus Ab9,Thermoanaerobacter mathranii A3,Thermoanaerobacter pseudethanolicus ATCC 33223,Thermoanaerobacter siderophilus SR4,Thermoanaerobacter tengcongensis MB4,Thermoanaerobacter wiegelii Rt8 B1,Thermoanaerobacter X513,Thermoanaerobacter X514,Thermoanaerobacter X561,Thermoanaerobacterium saccharolyticum JW SL YS485,Thermoanaerobacterium thermosaccharolyticum DSM 571,Thermoanaerobacterium thermosaccharolyticum M0795,Thermoanaerobacterium xylanolyticum LX 11,Thermobacillus composti KWC4,Thermodesulfobium narugense DSM 14796,Thermosediminibacter oceani DSM 16646,Veillonella 3 1 44,Veillonella 6 1 27,Veillonella ACP1,Veillonella atypica ACS 049 V Sch6,Veillonella atypica ACS 134 V Col7a,Veillonella atypica KON,Veillonella dispar ATCC 17748,Veillonella oral taxon 158 F0412,Veillonella oral taxon 780 F0422,Veillonella parvula ACS 068 V Sch12,Veillonella parvula ATCC 17745,Veillonella parvula DSM 2008,Veillonella ratti ACS 216 V Col6b,Weissella ceti NC36,Weissella cibaria KACC 11862,Weissella confusa LBAE C39 2,Weissella koreensis KACC 15510,Weissella koreensis KCTC 3621,Weissella paramesenteroides ATCC 33313,Bhargavaea cecembensis DSE10,Blautia hansenii DSM 20583,Blautia hydrogenotrophica DSM 10507,Bulleidia extructa W1219,Caldalkalibacillus thermarum TA2 A1,Caloramator australicus RC3,Catenibacterium mitsuokai DSM 15897,Centipeda periodontii DSM 2778,Coprobacillus 29 1,Coprobacillus 3 3 56FAA,Coprobacillus 8 2 54BFAA,Coprobacillus D7,Desmospora 8437,Dethiobacter alkaliphilus AHT 1,Dialister invisus DSM 15470,Dialister micraerophilus DSM 19965,Dialister microaerophilus UPII 345 E,Dialister succinatiphilus YIT 11850,Dolosigranulum pigrum ATCC 51524,Dorea formicigenerans 4 6 53AFAA,Dorea formicigenerans ATCC 27755,Dorea longicatena DSM 13814,Epulopiscium N t morphotype B,Eremococcus coleocola ACS 139 V Col8,Erysipelotrichaceae bacterium 21 3,Erysipelotrichaceae bacterium 2 2 44A,Erysipelotrichaceae bacterium 3 1 53,Erysipelotrichaceae bacterium 5 2 54FAA,Erysipelotrichaceae bacterium 6 1 45,Eubacteriaceae bacterium ACC19a,Eubacteriaceae bacterium CM2,Eubacteriaceae bacterium CM5,Eubacteriaceae bacterium OBRC8,Facklamia hominis CCUG 36813,Facklamia ignava CCUG 37419,Facklamia languida CCUG 37842,Flavonifractor plautii ATCC 29863,Fructobacillus fructosus KCTC 3544,Gemella haemolysans ATCC 10379,Gemella haemolysans M341,Gemella moribillum M424,Gemella sanguinis M325,Granulicatella adiacens ATCC 49175,Granulicatella elegans ATCC 700633,Helcococcus kunzii ATCC 51366,Holdemania filiformis DSM 12042,Johnsonella ignava ATCC 51276,Kurthia JC30,Kurthia JC8E,Lachnospiraceae bacterium 1 1 57FAA,Lachnospiraceae bacterium 1 4 56FAA,Lachnospiraceae bacterium 2 1 46FAA,Lachnospiraceae bacterium 2 1 58FAA,Lachnospiraceae bacterium 3 1 46FAA,Lachnospiraceae bacterium 3 1 57FAA CT1,Lachnospiraceae bacterium 4 1 37FAA,Lachnospiraceae bacterium 5 1 57FAA,Lachnospiraceae bacterium 5 1 63FAA,Lachnospiraceae bacterium 6 1 63FAA,Lachnospiraceae bacterium 7 1 58FAA,Lachnospiraceae bacterium 8 1 57FAA,Lachnospiraceae bacterium 9 1 43BFAA,Lachnospiraceae bacterium ACC2,Lachnospiraceae bacterium ICM7,Lachnospiraceae bacterium oral taxon 082 F0431,Lachnospiraceae oral taxon 107 F0167,Lentibacillus Grbi,Listeriaceae bacterium TTU M1 001,Mitsuokella multacida DSM 20544,Mogibacterium CM50,Ornithinibacillus TW25,Parvimonas micra ATCC 33270,Parvimonas oral taxon 110 F0139,Parvimonas oral taxon 393 F0440,Pelosinus fermentans A11,Pelosinus fermentans A12,Pelosinus fermentans B3,Pelosinus fermentans B4,Pelosinus fermentans DSM 17108,Pelosinus fermentans JBW45,Peptoniphilus duerdenii ATCC BAA 1640,Peptoniphilus harei ACS 146 V Sch2b,Peptoniphilus indolicus ATCC 29427,Peptoniphilus lacrimalis 315 B,Peptoniphilus oral taxon 375 F0436,Peptoniphilus oral taxon 386 F0131,Peptoniphilus oral taxon 836 F0141,Peptoniphilus rhinitidis 1 13,Phascolarctobacterium YIT 12067,Planococcus antarcticus DSM 14505,Planococcus donghaensis MPA1U2,Planococcus halocryophilus Or1,Pseudoramibacter alactolyticus ATCC 23263,Ruminococcaceae bacterium D16,Salimicrobium MJ3,Shuttleworthia satelles DSM 14600,Solobacterium moorei F0204,Sporolactobacillus inulinus CASD,Sporolactobacillus vineae DSM 21990 SL153,Sporosarcina newyorkensis,Subdoligranulum 4 3 54A2FAA,Subdoligranulum variabile DSM 15176,Thermosinus carboxydivorans Nor1,Turicibacter HGF1,Turicibacter PC909,Bryantella formatexigens DSM 14469,Carboxydibrachium pacificum DSM 12653,Peptostreptococcus anaerobius 653 L,Peptostreptococcus anaerobius VPI 4330,Peptostreptococcus stomatis DSM 17678 |
| Fusobacteria | Fusobacterium 11 3 2,Fusobacterium 12 1B,Fusobacterium 1 1 41FAA,Fusobacterium 21 1A,Fusobacterium 2 1 31,Fusobacterium 3 1 27,Fusobacterium 3 1 33,Fusobacterium 3 1 36A2,Fusobacterium 3 1 5R,Fusobacterium 4 1 13,Fusobacterium 4 8,Fusobacterium 7 1,Fusobacterium D11,Fusobacterium D12,Fusobacterium gonidiaformans ATCC 25563,Fusobacterium mortiferum ATCC 9817,Fusobacterium necrophorum funduliforme 1 1 36S,Fusobacterium necrophorum funduliforme ATCC 51357,Fusobacterium necrophorum funduliforme Fnf 1007,Fusobacterium nucleatum animalis ATCC 51191,Fusobacterium nucleatum animalis F0419,Fusobacterium nucleatum ATCC 23726,Fusobacterium nucleatum ATCC 25586,Fusobacterium nucleatum ChDC F128,Fusobacterium nucleatum fusiforme ATCC 51190,Fusobacterium nucleatum polymorphum F0401,Fusobacterium nucleatum vincentii ATCC 49256,Fusobacterium oral taxon 370 F0437,Fusobacterium periodonticum ATCC 33693,Fusobacterium periodonticum D10,Fusobacterium ulcerans ATCC 49185,Fusobacterium varium ATCC 27725,Ilyobacter polytropus DSM 2926,Leptotrichia buccalis C 1013 b,Leptotrichia goodfellowii F0264,Leptotrichia hofstadii F0254,Sebaldella termitidis ATCC 33386,Streptobacillus moniliformis DSM 12112 |
| Gemmatimonadetes | Gemmatimonas aurantiaca T 27 |
| Nitrospinae | Nitrospina gracilis 3 211 |
| Nitrospirae | Candidatus Nitrospira defluvii,Leptospirillum ferriphilum ML 04,Leptospirillum ferrooxidans C2 3,Thermodesulfovibrio yellowstonii DSM 11347 |
| Planctomycetes | Isosphaera pallida ATCC 43644,Phycisphaera mikurensis NBRC 102666,Pirellula staleyi DSM 6068,Planctomyces brasiliensis DSM 5305,Planctomyces limnophilus DSM 3776,Planctomyces maris DSM 8797,Rhodopirellula baltica SH28,Rhodopirellula baltica SH 1,Rhodopirellula baltica SWK14,Rhodopirellula baltica WH47,Rhodopirellula europaea 6C,Rhodopirellula europaea SH398,Rhodopirellula maiorica SM1,Rhodopirellula sallentina SM41,Rhodopirellula SWK7,Singulisphaera acidiphila DSM 18658,Blastopirellula marina DSM 3645,Gemmata obscuriglobus UQM 2246,Schlesneria paludicola DSM 18645,planctomycete KSU 1 |
| Alphaproteobacteria | Acetobacter pasteurianus 386B,Acetobacter pasteurianus IFO 3283 01,Acetobacter pasteurianus IFO 3283 01 42C,Acetobacter pasteurianus IFO 3283 03,Acetobacter pasteurianus IFO 3283 07,Acetobacter pasteurianus IFO 3283 12,Acetobacter pasteurianus IFO 3283 12 uid158379,Acetobacter pasteurianus IFO 3283 22,Acetobacter pasteurianus IFO 3283 26,Acetobacter pasteurianus IFO 3283 32,Acidiphilium cryptum JF 5,Acidiphilium multivorum AIU301,Agrobacterium fabrum C58,Agrobacterium H13 3,Agrobacterium radiobacter K84,Agrobacterium vitis S4,Agromonas oligotrophica S58,Anaplasma centrale Israel,Anaplasma marginale Dawn,Anaplasma marginale Florida,Anaplasma marginale Gypsy Plains,Anaplasma marginale Maries,Anaplasma phagocytophilum Dog2,Anaplasma phagocytophilum HZ,Anaplasma phagocytophilum HZ2,Anaplasma phagocytophilum JM,Asticcacaulis excentricus CB 48,Azorhizobium caulinodans ORS 571,Azospirillum B510,Azospirillum brasilense Sp245,Azospirillum lipoferum 4B,Bartonella alsatica IBS 382,Bartonella australis Aust NH1,Bartonella bacilliformis INS,Bartonella bacilliformis KC583,Bartonella birtlesii LL WM9,Bartonella clarridgeiae 73,Bartonella DB5 6,Bartonella doshiae NCTC 12862,Bartonella elizabethae F9251,Bartonella elizabethae Re6043vi,Bartonella grahamii as4aup,Bartonella henselae Houston 1,Bartonella melophagi K 2C,Bartonella quintana RM 11,Bartonella quintana Toulouse,Bartonella rattimassiliensis 15908,Bartonella tamiae Th239,Bartonella tamiae Th307,Bartonella taylorii 8TBB,Bartonella tribocorum CIP 105476,Bartonella vinsonii arupensis OK 94 513,Bartonella vinsonii arupensis Pm136co,Bartonella vinsonii berkhoffii Winnie,Bartonella washoensis 085 0475,Bartonella washoensis Sb944nv,Beijerinckia indica ATCC 9039,Bradyrhizobium,Bradyrhizobium BTAi1,Bradyrhizobium CCGE LA001,Bradyrhizobium japonicum USDA 110,Bradyrhizobium japonicum USDA 6,Bradyrhizobium ORS 278,Bradyrhizobium ORS 285,Bradyrhizobium ORS 375,Bradyrhizobium S23321,Bradyrhizobium STM 3843,Bradyrhizobium WSM1253,Bradyrhizobium WSM471,Bradyrhizobium YR681,Brevundimonas BAL3,Brevundimonas diminuta 470 4,Brevundimonas diminuta ATCC 11568,Brevundimonas subvibrioides ATCC 15264,Brucella 83 13,Brucella abortus 2308 A,Brucella abortus A13334,Brucella abortus bv 1 9 941,Brucella abortus bv 1 NI010,Brucella abortus bv 1 NI016,Brucella abortus bv 1 NI021,Brucella abortus bv 1 NI259,Brucella abortus bv 1 NI435a,Brucella abortus bv 1 NI474,Brucella abortus bv 1 NI486,Brucella abortus bv 1 NI488,Brucella abortus bv 2 86 8 59,Brucella abortus bv 3 Tulya,Brucella abortus bv 4 292,Brucella abortus bv 5 B3196,Brucella abortus bv 6 870,Brucella abortus bv 9 C68,Brucella abortus NCTC 8038,Brucella abortus S19,Brucella BO1,Brucella BO2,Brucella canis ATCC 23365,Brucella canis HSK A52141,Brucella ceti B1 94,Brucella ceti Cudo,Brucella ceti M13 05 1,Brucella ceti M490 95 1,Brucella ceti M644 93 1,Brucella ceti TE10759 12,Brucella ceti TE28753 12,Brucella F5 99,Brucella melitensis ATCC 23457,Brucella melitensis biovar Abortus 2308,Brucella melitensis bv 1 16M,Brucella melitensis bv 1 Rev 1,Brucella melitensis bv 2 63 9,Brucella melitensis bv 3 Ether,Brucella melitensis M28,Brucella melitensis M5 90,Brucella melitensis NI,Brucella microti CCM 4915,Brucella neotomae 5K33,Brucella NF 2653,Brucella NVSL 07 0026,Brucella ovis ATCC 25840,Brucella pinnipedialis B2 94,Brucella pinnipedialis M163 99 10,Brucella pinnipedialis M292 94 1,Brucella suis 1330,Brucella suis ATCC 23445,Brucella suis bv 3 686,Brucella suis bv 4 40,Brucella suis bv 5 513,Brucella suis VBI22,Candidatus Hodgkinia cicadicola Dsem,Candidatus Liberibacter americanus PW SP,Candidatus Liberibacter americanus Sao Paulo,Candidatus Liberibacter asiaticus gxpsy,Candidatus Liberibacter asiaticus psy62,Candidatus Liberibacter solanacearum CLso ZC1,Candidatus Midichloria mitochondrii IricVA,Candidatus Pelagibacter HTCC7211,Candidatus Pelagibacter IMCC9063,Candidatus Pelagibacter ubique HTCC1002,Candidatus Pelagibacter ubique HTCC1062,Candidatus Puniceispirillum marinum IMCC1322,Candidatus Rickettsia amblyommii GAT 30V,Caulobacter AP07,Caulobacter crescentus CB15,Caulobacter crescentus NA1000,Caulobacter K31,Caulobacter segnis ATCC 21756,Dinoroseobacter shibae DFL 12,Ehrlichia canis Jake,Ehrlichia chaffeensis Arkansas,Ehrlichia chaffeensis Sapulpa,Ehrlichia muris AS145,Ehrlichia ruminantium Gardel,Ehrlichia ruminantium Welgevonden,Erythrobacter litoralis HTCC2594,Erythrobacter NAP1,Erythrobacter SD 21,Gluconacetobacter diazotrophicus PAl 5,Gluconacetobacter europaeus LMG 18494,Gluconacetobacter hansenii ATCC 23769,Gluconacetobacter oboediens 174Bp2,Gluconacetobacter SXCC 1,Gluconacetobacter xylinus NBRC 3288,Gluconobacter frateurii NBRC 101659,Gluconobacter morbifer G707,Gluconobacter oxydans 621H,Gluconobacter oxydans H24,Gluconobacter thailandicus NBRC 3255,Granulibacter bethesdensis CGDNIH1,Hirschia baltica ATCC 49814,Hyphomicrobium denitrificans 1NES1,Hyphomicrobium denitrificans ATCC 51888,Hyphomicrobium MC1,Hyphomicrobium nitrativorans NL23,Hyphomonas neptunium ATCC 15444,Jannaschia CCS1,Ketogulonicigenium vulgare WSH 001,Ketogulonicigenium vulgare Y25,Magnetospirillum gryphiswaldense MSR 1 v2,Magnetospirillum magneticum AMB 1,Magnetospirillum SO 1,Maricaulis maris MCS10,Mesorhizobium alhagi CCNWXJ12 2,Mesorhizobium amorphae CCNWGS0123,Mesorhizobium australicum WSM2073,Mesorhizobium ciceri biovar biserrulae WSM1271,Mesorhizobium loti MAFF303099,Mesorhizobium metallidurans STM 2683,Mesorhizobium opportunistum WSM2075,Methylobacterium 4 46,Methylobacterium chloromethanicum CM4,Methylobacterium extorquens AM1,Methylobacterium extorquens DM4,Methylobacterium extorquens DSM 13060,Methylobacterium extorquens PA1,Methylobacterium GXF4,Methylobacterium mesophilicum SR1 6 6,Methylobacterium nodulans ORS 2060,Methylobacterium populi BJ001,Methylobacterium radiotolerans JCM 2831,Methylocella silvestris BL2,Methylocystis SC2,Micavibrio aeruginosavorus ARL 13,Micavibrio EPB,Neorickettsia risticii Illinois,Neorickettsia sennetsu Miyayama,Nitrobacter hamburgensis X14,Nitrobacter Nb 311A,Nitrobacter winogradskyi Nb 255,Novosphingobium AP12,Novosphingobium aromaticivorans DSM 12444,Novosphingobium nitrogenifigens DSM 19370,Novosphingobium pentaromativorans US6 1,Novosphingobium PP1Y,Novosphingobium Rr 2 17,Ochrobactrum anthropi ATCC 49188,Ochrobactrum anthropi CTS 325,Ochrobactrum CDB2,Ochrobactrum intermedium LMG 3301,Ochrobactrum intermedium M86,Octadecabacter antarcticus 307,Octadecabacter arcticus 238,Oligotropha carboxidovorans OM4,Oligotropha carboxidovorans OM5,Orientia tsutsugamushi Boryong,Orientia tsutsugamushi Ikeda,Paracoccus aminophilus JCM 7686,Paracoccus denitrificans PD1222,Paracoccus TRP,Parvibaculum lavamentivorans DS 1,Parvularcula bermudensis HTCC2503,Pelagibacterium halotolerans B2,Phaeobacter gallaeciensis 2 10,Phaeobacter gallaeciensis DSM 17395,Phaeobacter gallaeciensis DSM 26640,Phenylobacterium zucineum HLK1,Pseudovibrio FO BEG1,Pseudovibrio JE062,Rhizobium AP16,Rhizobium CCGE 510,Rhizobium CF080,Rhizobium CF122,Rhizobium CF142,Rhizobium etli 8C 3,Rhizobium etli Brasil 5,Rhizobium etli bv mimosae Mim1,Rhizobium etli CFN 42,Rhizobium etli CIAT 652,Rhizobium etli CIAT 894,Rhizobium etli CNPAF512,Rhizobium etli GR56,Rhizobium etli IE4771,Rhizobium etli Kim 5,Rhizobium IRBG74,Rhizobium leguminosarum bv trifolii WSM1325,Rhizobium leguminosarum bv trifolii WSM2012,Rhizobium leguminosarum bv trifolii WSM2297,Rhizobium leguminosarum bv trifolii WSM2304,Rhizobium leguminosarum bv trifolii WSM597,Rhizobium leguminosarum bv trifolii WU95,Rhizobium leguminosarum bv viciae 3841,Rhizobium leguminosarum bv viciae USDA 2370,Rhizobium leguminosarum bv viciae WSM1455,Rhizobium lupini HPC L,Rhizobium mesoamericanum STM3625,Rhizobium NGR234,Rhizobium PDO1 076,Rhizobium Pop5,Rhizobium tropici CIAT 899,Rhodobacter capsulatus SB 1003,Rhodobacter sphaeroides 2 4 1,Rhodobacter sphaeroides ATCC 17025,Rhodobacter sphaeroides ATCC 17029,Rhodobacter sphaeroides KD131,Rhodobacter sphaeroides WS8N,Rhodobacter SW2,Rhodomicrobium vannielii ATCC 17100,Rhodopseudomonas palustris BisA53,Rhodopseudomonas palustris BisB18,Rhodopseudomonas palustris BisB5,Rhodopseudomonas palustris CGA009,Rhodopseudomonas palustris DX 1,Rhodopseudomonas palustris HaA2,Rhodopseudomonas palustris TIE 1,Rhodospirillum centenum SW,Rhodospirillum photometricum,Rhodospirillum rubrum ATCC 11170,Rhodospirillum rubrum F11,Rickettsia africae ESF 5,Rickettsia akari Hartford,Rickettsia australis Cutlack,Rickettsia bellii OSU 85 389,Rickettsia bellii RML369 C,Rickettsia canadensis CA410,Rickettsia canadensis McKiel,Rickettsia conorii Malish 7,Rickettsia endosymbiont of Ixodes scapularis,Rickettsia felis URRWXCal2,Rickettsia heilongjiangensis 054,Rickettsia helvetica C9P9,Rickettsia japonica YH,Rickettsia massiliae AZT80,Rickettsia massiliae MTU5,Rickettsia montanensis OSU 85 930,Rickettsia parkeri Portsmouth,Rickettsia peacockii Rustic,Rickettsia philipii 364D,Rickettsia prowazekii Breinl,Rickettsia prowazekii BuV67 CWPP,Rickettsia prowazekii Chernikova,Rickettsia prowazekii Dachau,Rickettsia prowazekii GvV257,Rickettsia prowazekii Katsinyian,Rickettsia prowazekii Madrid E,Rickettsia prowazekii NMRC Madrid E,Rickettsia prowazekii Rp22,Rickettsia prowazekii RpGvF24,Rickettsia rhipicephali 3 7 female6 CWPP,Rickettsia rickettsii Sheila Smith,Rickettsia rickettsii Arizona,Rickettsia rickettsii Brazil,Rickettsia rickettsii Colombia,Rickettsia rickettsii Hauke,Rickettsia rickettsii Hino,Rickettsia rickettsii Hlp 2,Rickettsia rickettsii Iowa,Rickettsia sibirica 246,Rickettsia slovaca 13 B,Rickettsia slovaca D CWPP,Rickettsia typhi B9991CWPP,Rickettsia typhi TH1527,Rickettsia typhi Wilmington,Roseobacter AzwK 3b,Roseobacter CCS2,Roseobacter denitrificans OCh 114,Roseobacter GAI101,Roseobacter litoralis Och 149,Roseobacter MED193,Roseobacter SK209 2 6,Ruegeria pomeroyi DSS 3,Ruegeria R11,Ruegeria TM1040,Ruegeria TW15,Sinorhizobium fredii HH103,Sinorhizobium fredii USDA 257,Sinorhizobium medicae WSM419,Sinorhizobium meliloti 1021,Sinorhizobium meliloti 2011,Sinorhizobium meliloti AK83,Sinorhizobium meliloti BL225C,Sinorhizobium meliloti CCNWSX0020,Sinorhizobium meliloti GR4,Sinorhizobium meliloti Rm41,Sinorhizobium meliloti SM11,Sphingobium AP49,Sphingobium chlorophenolicum L 1,Sphingobium indicum B90A,Sphingobium japonicum UT26S,Sphingobium SYK 6,Sphingobium yanoikuyae ATCC 51230,Sphingobium yanoikuyae XLDN2 5,Sphingomonas echinoides ATCC 14820,Sphingomonas elodea ATCC 31461,Sphingomonas KC8,Sphingomonas LH128,Sphingomonas MM 1,Sphingomonas PAMC 26605,Sphingomonas PAMC 26617,Sphingomonas PAMC 26621,Sphingomonas S17,Sphingomonas SKA58,Sphingomonas wittichii RW1,Sphingopyxis alaskensis RB2256,Starkeya novella DSM 506,Tistrella mobilis KA081020 065,Wolbachia endosymbiont of Culex quinquefasciatus JHB,Wolbachia endosymbiont of Culex quinquefasciatus Pel,Wolbachia endosymbiont of Drosophila ananassae,Wolbachia endosymbiont of Drosophila melanogaster,Wolbachia endosymbiont of Drosophila simulans,Wolbachia endosymbiont of Drosophila simulans wHa,Wolbachia endosymbiont of Drosophila simulans wNo,Wolbachia endosymbiont of Drosophila willistoni TSC 14030 0811 24,Wolbachia endosymbiont of Muscidifurax uniraptor,Wolbachia endosymbiont of Onchocerca ochengi,Wolbachia endosymbiont TRS of Brugia malayi,Wolbachia endosymbiont wVitB of Nasonia vitripennis,Wolbachia pipientis wAlbB,Wolbachia wRi,Xanthobacter autotrophicus Py2,Zymomonas mobilis ATCC 10988,Zymomonas mobilis ATCC 29191,Zymomonas mobilis CP4 NRRL B 14023,Zymomonas mobilis NCIMB 11163,Zymomonas mobilis pomaceae ATCC 29192,Zymomonas mobilis ZM4,Bradyrhizobiaceae bacterium SG 6C,Caenispirillum salinarum AK4,Celeribacter baekdonensis B30,Chelativorans BNC1,Citreicella 357,Citreicella SE45,Citromicrobium bathyomarinum JL354,Citromicrobium JLT1363,Commensalibacter intestini A911,Fulvimarina pelagi HTCC2506,Hoeflea phototrophica DFL 43,Labrenzia aggregata IAM 12614,Labrenzia alexandrii DFL 11,Leisingera methylohalidivorans DSM 14336,Loktanella vestfoldensis SKA53,Maritimibacter alkaliphilus HTCC2654,Methylosinus trichosporium OB3b,Microvirga WSM3557,Nitratireductor aquibiodomus RA22,Nitratireductor indicus C115,Nitratireductor pacificus pht 3B,Oceanibaculum indicum P24,Oceanibulbus indolifex HEL 45,Oceanicaulis alexandrii HTCC2633,Oceanicola batsensis HTCC2597,Oceanicola granulosus HTCC2516,Oceanicola S124,Oceaniovalibus guishaninsula JLT2003,Pelagibaca bermudensis HTCC2601,Phaeospirillum molischianum,Phyllobacterium YR531,Polymorphum gilvum SL003B 26A1,Rhodobacteraceae bacterium KLH11,Rhodobacterales bacterium HTCC2083,Rhodobacterales bacterium HTCC2150,Rhodobacterales bacterium HTCC2255,Rhodobacterales bacterium Y4I,Rhodovulum PH10,Roseibium TrichSKD4,Roseomonas cervicalis ATCC 49957,Roseovarius 217,Roseovarius nubinhibens ISM,Roseovarius TM1035,Sagittula stellata E 37,Sulfitobacter EE 36,Sulfitobacter NAS 14 1,Thalassobaculum L2,Thalassospira profundimaris WP0211,Thalassospira xiamenensis M 5 DSM 17429,SAR 116 cluster alpha proteobacterium HIMB100,Silicibacter lacuscaerulensis ITI 1157,Silicibacter TrichCH4B,Thalassiobium R2A62,Candidatus Odyssella thessalonicensis L13,Magnetococcus MC 1 |
| Betaproteobacteria | Achromobacter xylosoxidans,Achromobacter xylosoxidans A8,Achromobacter xylosoxidans NBRC 15126,Acidovorax avenae ATCC 19860,Acidovorax citrulli AAC00 1,Acidovorax ebreus TPSY,Acidovorax JS42,Acidovorax KKS102,Advenella kashmirensis WT001,Alicycliphilus denitrificans BC,Alicycliphilus denitrificans K601,Aromatoleum aromaticum EbN1,Azoarcus BH72,Azoarcus KH32C,Bordetella avium 197N,Bordetella bronchiseptica 1289,Bordetella bronchiseptica 253,Bordetella bronchiseptica Bbr77,Bordetella bronchiseptica D445,Bordetella bronchiseptica MO149,Bordetella bronchiseptica RB50,Bordetella holmesii F627,Bordetella holmesii H558,Bordetella parapertussis 12822,Bordetella parapertussis 18323,Bordetella parapertussis Bpp5,Bordetella pertussis CS,Bordetella pertussis Tohama I,Bordetella petrii,Burkholderia 383,Burkholderia ambifaria AMMD,Burkholderia ambifaria IOP40 10,Burkholderia ambifaria MC40 6,Burkholderia ambifaria MEX 5,Burkholderia BT03,Burkholderia CCGE1001,Burkholderia CCGE1002,Burkholderia CCGE1003,Burkholderia cenocepacia AU 1054,Burkholderia cenocepacia BC7,Burkholderia cenocepacia H111,Burkholderia cenocepacia HI2424,Burkholderia cenocepacia J2315,Burkholderia cenocepacia K56 2Valvano,Burkholderia cenocepacia MC0 3,Burkholderia cenocepacia PC184,Burkholderia cepacia GG4,Burkholderia Ch1 1,Burkholderia dolosa AUO158,Burkholderia gladioli BSR3,Burkholderia glumae BGR1,Burkholderia graminis C4D1M,Burkholderia H160,Burkholderia KJ006,Burkholderia mallei 2002721280,Burkholderia mallei ATCC 10399,Burkholderia mallei ATCC 23344,Burkholderia mallei FMH,Burkholderia mallei GB8 horse 4,Burkholderia mallei JHU,Burkholderia mallei NCTC 10229,Burkholderia mallei NCTC 10247,Burkholderia mallei PRL 20,Burkholderia mallei SAVP1,Burkholderia multivorans,Burkholderia multivorans ATCC 17616,Burkholderia multivorans ATCC BAA 247,Burkholderia multivorans CGD1,Burkholderia multivorans CGD2,Burkholderia multivorans CGD2M,Burkholderia oklahomensis C6786,Burkholderia oklahomensis EO147,Burkholderia phenoliruptrix BR3459a,Burkholderia phymatum STM815,Burkholderia phytofirmans PsJN,Burkholderia pseudomallei 1026a,Burkholderia pseudomallei 1026b,Burkholderia pseudomallei 1106a,Burkholderia pseudomallei 1106b,Burkholderia pseudomallei 112,Burkholderia pseudomallei 1258a,Burkholderia pseudomallei 1258b,Burkholderia pseudomallei 14,Burkholderia pseudomallei 1655,Burkholderia pseudomallei 1710a,Burkholderia pseudomallei 1710b,Burkholderia pseudomallei 305,Burkholderia pseudomallei 354a,Burkholderia pseudomallei 354e,Burkholderia pseudomallei 406e,Burkholderia pseudomallei 576,Burkholderia pseudomallei 668,Burkholderia pseudomallei 7894,Burkholderia pseudomallei 9,Burkholderia pseudomallei 91,Burkholderia pseudomallei B7210,Burkholderia pseudomallei BCC215,Burkholderia pseudomallei BPC006,Burkholderia pseudomallei DM98,Burkholderia pseudomallei K96243,Burkholderia pseudomallei MSHR1043,Burkholderia pseudomallei MSHR305,Burkholderia pseudomallei MSHR346,Burkholderia pseudomallei NCTC 13177,Burkholderia pseudomallei NCTC 13179,Burkholderia pseudomallei Pakistan 9,Burkholderia pseudomallei Pasteur 52237,Burkholderia pseudomallei S13,Burkholderia rhizoxinica HKI 454,Burkholderia RPE64,Burkholderia SJ98,Burkholderia terrae BS001,Burkholderia thailandensis Bt4,Burkholderia thailandensis E264,Burkholderia thailandensis MSMB121,Burkholderia thailandensis MSMB43,Burkholderia thailandensis TXDOH,Burkholderia TJI49,Burkholderia ubonensis Bu,Burkholderia vietnamiensis G4,Burkholderia xenovorans LB400,Burkholderia YI23,Candidatus Accumulibacter phosphatis clade IIA UW 1,Candidatus Burkholderia kirkii UZHbot1,Candidatus Kinetoplastibacterium blastocrithidii ex Strigomonas culicis,Candidatus Kinetoplastibacterium blastocrithidii TCC012E,Candidatus Kinetoplastibacterium crithidii ex Angomonas deanei ATCC 30255,Candidatus Kinetoplastibacterium crithidii TCC036E,Candidatus Kinetoplastibacterium desouzaii TCC079E,Candidatus Kinetoplastibacterium galatii TCC219,Candidatus Kinetoplastibacterium oncopeltii TCC290E,Candidatus Tremblaya phenacola PAVE,Candidatus Tremblaya princeps PCIT,Candidatus Tremblaya princeps PCVAL,Candidatus Zinderia insecticola CARI,Chromobacterium violaceum ATCC 12472,Collimonas fungivorans Ter331,Comamonas testosteroni ATCC 11996,Comamonas testosteroni CNB 2,Comamonas testosteroni KF 1,Comamonas testosteroni S44,Cupriavidus basilensis OR16,Cupriavidus HMR 1,Cupriavidus metallidurans CH34,Cupriavidus necator HPC L,Cupriavidus necator N 1,Cupriavidus taiwanensis LMG 19424,Dechloromonas aromatica RCB,Dechlorosoma suillum PS,Delftia acidovorans SPH 1,Delftia Cs1 4,Gallionella capsiferriformans ES 2,Herbaspirillum CF444,Herbaspirillum frisingense GSF30,Herbaspirillum GW103,Herbaspirillum seropedicae SmR1,Herbaspirillum YR522,Herminiimonas arsenicoxydans,Laribacter hongkongensis HLHK9,Leptothrix cholodnii SP 6,Leptothrix ochracea L12,Methylibium petroleiphilum PM1,Methylobacillus flagellatus KT,Methylotenera 301,Methylotenera mobilis JLW8,Methylovorus glucosetrophus SIP3 4,Methylovorus MP688,Neisseria bacilliformis ATCC BAA 1200,Neisseria cinerea ATCC 14685,Neisseria elongata glycolytica ATCC 29315,Neisseria flavescens NRL30031 H210,Neisseria flavescens SK114,Neisseria gonorrhoeae 1291,Neisseria gonorrhoeae 35 02,Neisseria gonorrhoeae DGI18,Neisseria gonorrhoeae DGI2,Neisseria gonorrhoeae F62,Neisseria gonorrhoeae FA19,Neisseria gonorrhoeae FA6140,Neisseria gonorrhoeae FA 1090,Neisseria gonorrhoeae MS11,Neisseria gonorrhoeae NCCP11945,Neisseria gonorrhoeae PID1,Neisseria gonorrhoeae PID18,Neisseria gonorrhoeae PID24 1,Neisseria gonorrhoeae PID332,Neisseria gonorrhoeae SK 92 679,Neisseria gonorrhoeae SK 93 1035,Neisseria gonorrhoeae TCDC NG08107,Neisseria GT4A CT1,Neisseria lactamica 020 06,Neisseria lactamica ATCC 23970,Neisseria lactamica Y92 1009,Neisseria macacae ATCC 33926,Neisseria meningitidis 053442,Neisseria meningitidis 12888,Neisseria meningitidis 2001212,Neisseria meningitidis 2002038,Neisseria meningitidis 2004090,Neisseria meningitidis 2006087,Neisseria meningitidis 2007056,Neisseria meningitidis 4119,Neisseria meningitidis 61103,Neisseria meningitidis 63006,Neisseria meningitidis 63041,Neisseria meningitidis 63049,Neisseria meningitidis 65014,Neisseria meningitidis 68094,Neisseria meningitidis 69096,Neisseria meningitidis 69166,Neisseria meningitidis 70012,Neisseria meningitidis 70030,Neisseria meningitidis 77221,Neisseria meningitidis 8013,Neisseria meningitidis 80179,Neisseria meningitidis 87255,Neisseria meningitidis 88050,Neisseria meningitidis 92045,Neisseria meningitidis 93003,Neisseria meningitidis 93004,Neisseria meningitidis 9506,Neisseria meningitidis 96023,Neisseria meningitidis 961 5945,Neisseria meningitidis 97014,Neisseria meningitidis 97020,Neisseria meningitidis 97021,Neisseria meningitidis 9757,Neisseria meningitidis 98008,Neisseria meningitidis 98080,Neisseria meningitidis alpha14,Neisseria meningitidis alpha704,Neisseria meningitidis alpha710,Neisseria meningitidis ATCC 13091,Neisseria meningitidis CU385,Neisseria meningitidis ES14902,Neisseria meningitidis FAM18,Neisseria meningitidis G2136,Neisseria meningitidis H44 76,Neisseria meningitidis M01 240013,Neisseria meningitidis M01 240149,Neisseria meningitidis M01 240355,Neisseria meningitidis M04 240196,Neisseria meningitidis M0579,Neisseria meningitidis M13255,Neisseria meningitidis M13399,Neisseria meningitidis M6190,Neisseria meningitidis M7089,Neisseria meningitidis M7124,Neisseria meningitidis MC58,Neisseria meningitidis N1568,Neisseria meningitidis NM126,Neisseria meningitidis NM140,Neisseria meningitidis NM174,Neisseria meningitidis NM183,Neisseria meningitidis NM220,Neisseria meningitidis NM233,Neisseria meningitidis NM255,Neisseria meningitidis NM2657,Neisseria meningitidis NM2781,Neisseria meningitidis NM2795,Neisseria meningitidis NM3001,Neisseria meningitidis NM3081,Neisseria meningitidis NM3642,Neisseria meningitidis NM3652,Neisseria meningitidis NM418,Neisseria meningitidis NM422,Neisseria meningitidis NM576,Neisseria meningitidis NM586,Neisseria meningitidis NM762,Neisseria meningitidis NZ 05 33,Neisseria meningitidis OX99 30304,Neisseria meningitidis WUE 2594,Neisseria meningitidis Z2491,Neisseria mucosa ATCC 25996,Neisseria mucosa C102,Neisseria oral taxon 014 F0314,Neisseria oral taxon 020 F0370,Neisseria polysaccharea ATCC 43768,Neisseria shayeganii 871,Neisseria sicca ATCC 29256,Neisseria sicca VK64,Neisseria subflava NJ9703,Neisseria wadsworthii 9715,Neisseria weaveri ATCC 51223,Neisseria weaveri LMG 5135,Nitrosomonas AL212,Nitrosomonas europaea ATCC 19718,Nitrosomonas eutropha C91,Nitrosomonas Is79A3,Nitrosospira multiformis ATCC 25196,Polaromonas CF318,Polaromonas JS666,Polaromonas naphthalenivorans CJ2,Polynucleobacter necessarius asymbioticus QLW P1DMWA 1,Polynucleobacter necessarius STIR1,Pseudogulbenkiania NH8B,Pusillimonas T7 7,Ralstonia 5 2 56FAA,Ralstonia 5 7 47FAA,Ralstonia eutropha H16,Ralstonia eutropha JMP134,Ralstonia PBA,Ralstonia pickettii 12D,Ralstonia pickettii 12J,Ralstonia solanacearum CFBP2957,Ralstonia solanacearum CMR15,Ralstonia solanacearum FQY 4 f,Ralstonia solanacearum GMI1000,Ralstonia solanacearum K60 1,Ralstonia solanacearum MolK2,Ralstonia solanacearum Po82,Ralstonia solanacearum PSI07,Ralstonia solanacearum UW551,Ramlibacter tataouinensis TTB310,Rhodoferax ferrireducens T118,Rubrivivax benzoatilyticus JA2,Rubrivivax gelatinosus IL144,Sideroxydans lithotrophicus ES 1,Taylorella asinigenitalis 14 45,Taylorella asinigenitalis MCE3,Taylorella equigenitalis 14 56,Taylorella equigenitalis ATCC 35865,Taylorella equigenitalis MCE9,Thauera MZ1T,Thiobacillus denitrificans ATCC 25259,Thiomonas 3As,Thiomonas intermedia K12,Variovorax CF313,Variovorax paradoxus B4,Variovorax paradoxus EPS,Variovorax paradoxus S110,Verminephrobacter At4,Verminephrobacter eiseniae EF01 2,Burkholderiales bacterium 1 1 47,Burkholderiales bacterium JOSHI 001,Comamonadaceae bacterium CR,Eikenella corrodens ATCC 23834,Hydrogenophaga PBC,Hylemonella gracilis ATCC 19624,Janthinobacterium HH01,Janthinobacterium Marseille,Janthinobacterium PAMC 25724,Kingella denitrificans ATCC 33394,Kingella kingae ATCC 23330,Kingella kingae PYKK081,Kingella oralis ATCC 51147,Lautropia mirabilis ATCC 51599,Limnobacter MED105,Massilia timonae CCUG 45783,Methylophilales bacterium HTCC2181,Methyloversatilis universalis FAM5,Oxalobacter formigenes HOxBLS,Oxalobacter formigenes OXCC13,Oxalobacteraceae bacterium IMCC9480,Pandoraea pnomenusa 3kgm,Pandoraea RB 44,Parasutterella excrementihominis YIT 11859,Simonsiella muelleri ATCC 29453,Sulfuricella denitrificans skB26,Sutterella parvirubra YIT 11816,Sutterella wadsworthensis 2 1 59BFAA,Sutterella wadsworthensis 3 1 45B,beta proteobacterium KB13,Lutiella nitroferrum 2002,Candidatus Glomeribacter gigasporarum,Candidatus Nasuia deltocephalinicola NAS ALF |
| Deltaproteobacteria | Anaeromyxobacter dehalogenans 2CP 1,Anaeromyxobacter dehalogenans 2CP C,Anaeromyxobacter Fw109 5,Anaeromyxobacter K,Bacteriovorax marinus SJ,Bdellovibrio bacteriovorus HD100,Bdellovibrio bacteriovorus Tiberius,Bdellovibrio exovorus JSS,Corallococcus coralloides DSM 2259,Desulfarculus baarsii DSM 2075,Desulfatibacillum alkenivorans AK 01,Desulfobacca acetoxidans DSM 11109,Desulfobacterium autotrophicum HRM2,Desulfobacula toluolica Tol2,Desulfobulbus propionicus DSM 2032,Desulfocapsa sulfexigens DSM 10523,Desulfococcus oleovorans Hxd3,Desulfohalobium retbaense DSM 5692,Desulfomicrobium baculatum DSM 4028,Desulfomonile tiedjei DSM 6799,Desulfotalea psychrophila LSv54,Desulfovibrio 3 1 syn3,Desulfovibrio 6 1 46AFAA,Desulfovibrio A2,Desulfovibrio aespoeensis Aspo 2,Desulfovibrio africanus PCS,Desulfovibrio africanus Walvis Bay,Desulfovibrio alaskensis G20,Desulfovibrio desulfuricans ATCC 27774,Desulfovibrio desulfuricans ND132,Desulfovibrio fructosovorans JJ,Desulfovibrio FW1012B,Desulfovibrio gigas DSM 1382,Desulfovibrio hydrothermalis AM13 DSM 14728,Desulfovibrio magneticus Maddingley MBC34,Desulfovibrio magneticus RS 1,Desulfovibrio piezophilus C1TLV30,Desulfovibrio piger ATCC 29098,Desulfovibrio salexigens DSM 2638,Desulfovibrio U5L,Desulfovibrio vulgaris Miyazaki F,Desulfovibrio vulgaris DP4,Desulfovibrio vulgaris Hildenborough,Desulfovibrio vulgaris RCH1,Desulfurivibrio alkaliphilus AHT2,Geobacter bemidjiensis Bem,Geobacter FRC 32,Geobacter lovleyi SZ,Geobacter M18,Geobacter M21,Geobacter metallireducens GS 15,Geobacter metallireducens RCH3,Geobacter sulfurreducens KN400,Geobacter sulfurreducens PCA,Geobacter uraniireducens Rf4,Haliangium ochraceum DSM 14365,Hippea maritima DSM 10411,Lawsonia intracellularis N343,Lawsonia intracellularis PHE MN1 00,Myxococcus fulvus HW 1,Myxococcus stipitatus DSM 14675,Myxococcus xanthus DK 1622,Pelobacter carbinolicus DSM 2380,Pelobacter propionicus DSM 2379,Sorangium cellulosum So ce 56,Sorangium cellulosum So0157 2,Stigmatella aurantiaca DW4 3 1,Syntrophobacter fumaroxidans MPOB,Syntrophus aciditrophicus SB,Bilophila 4 1 30,Bilophila wadsworthia 3 1 6,Chondromyces apiculatus DSM 436,Desulfonatronospira thiodismutans ASO3 1,Desulfotignum phosphitoxidans DSM 13687,Desulfuromonas acetoxidans DSM 684,Plesiocystis pacifica SIR 1,delta proteobacterium MLMS 1,delta proteobacterium NaphS2,SAR324 cluster bacterium JCVI SC AAA005,SAR324 cluster bacterium SCGC AAA001 C10,Cystobacter fuscus DSM 2262,Desulfobacter postgatei 2ac9 |
| Epsilonproteobacteria | Arcobacter butzleri 7h1h,Arcobacter butzleri ED 1,Arcobacter butzleri RM4018,Arcobacter L,Arcobacter nitrofigilis DSM 7299,Campylobacter 03 427,Campylobacter 10 1 50,Campylobacter coli 1091,Campylobacter coli 1098,Campylobacter coli 111 3,Campylobacter coli 1148,Campylobacter coli 132 6,Campylobacter coli 1417,Campylobacter coli 151 9,Campylobacter coli 15 537360,Campylobacter coli 1891,Campylobacter coli 1909,Campylobacter coli 1948,Campylobacter coli 1957,Campylobacter coli 1961,Campylobacter coli 202 04,Campylobacter coli 2548,Campylobacter coli 2553,Campylobacter coli 2680,Campylobacter coli 2685,Campylobacter coli 2688,Campylobacter coli 2692,Campylobacter coli 2698,Campylobacter coli 317 04,Campylobacter coli 37 05,Campylobacter coli 59 2,Campylobacter coli 67 8,Campylobacter coli 76339,Campylobacter coli 7 1,Campylobacter coli 80352,Campylobacter coli 84 2,Campylobacter coli 86119,Campylobacter coli 90 3,Campylobacter coli CVM N29710,Campylobacter coli H56,Campylobacter coli H6,Campylobacter coli H8,Campylobacter coli H9,Campylobacter coli JV20,Campylobacter coli LMG 23336,Campylobacter coli LMG 23341,Campylobacter coli LMG 23342,Campylobacter coli LMG 23344,Campylobacter coli LMG 9853,Campylobacter coli LMG 9854,Campylobacter coli LMG 9860,Campylobacter coli RM2228,Campylobacter coli Z156,Campylobacter coli Z163,Campylobacter concisus 13826,Campylobacter concisus UNSWCD,Campylobacter curvus 525 92,Campylobacter fetus 82 40,Campylobacter fetus venerealis Azul 94,Campylobacter fetus venerealis NCTC 10354,Campylobacter FOBRC14,Campylobacter gracilis RM3268,Campylobacter hominis ATCC BAA 381,Campylobacter jejuni 00 2425,Campylobacter jejuni 00 2426,Campylobacter jejuni 00 2538,Campylobacter jejuni 00 2544,Campylobacter jejuni 110 21,Campylobacter jejuni 1213,Campylobacter jejuni 129 258,Campylobacter jejuni 1336,Campylobacter jejuni 140 16,Campylobacter jejuni 1577,Campylobacter jejuni 1798,Campylobacter jejuni 1854,Campylobacter jejuni 1893,Campylobacter jejuni 1928,Campylobacter jejuni 1997 1,Campylobacter jejuni 1997 10,Campylobacter jejuni 1997 11,Campylobacter jejuni 1997 14,Campylobacter jejuni 1997 4,Campylobacter jejuni 1997 7,Campylobacter jejuni 2008 1025,Campylobacter jejuni 2008 831,Campylobacter jejuni 2008 872,Campylobacter jejuni 2008 894,Campylobacter jejuni 2008 979,Campylobacter jejuni 2008 988,Campylobacter jejuni 260 94,Campylobacter jejuni 305,Campylobacter jejuni 327,Campylobacter jejuni 4031,Campylobacter jejuni 414,Campylobacter jejuni 51037,Campylobacter jejuni 51494,Campylobacter jejuni 53161,Campylobacter jejuni 55037,Campylobacter jejuni 60004,Campylobacter jejuni 81116,Campylobacter jejuni 81 176,Campylobacter jejuni 84 25,Campylobacter jejuni 86605,Campylobacter jejuni 87330,Campylobacter jejuni 87459,Campylobacter jejuni ATCC 33560,Campylobacter jejuni CF93 6,Campylobacter jejuni CG8421,Campylobacter jejuni CG8486,Campylobacter jejuni D2600,Campylobacter jejuni DFVF1099,Campylobacter jejuni doylei 269 97,Campylobacter jejuni HB93 13,Campylobacter jejuni IA3902,Campylobacter jejuni ICDCCJ07001,Campylobacter jejuni LMG 23210,Campylobacter jejuni LMG 23211,Campylobacter jejuni LMG 23216,Campylobacter jejuni LMG 23218,Campylobacter jejuni LMG 23223,Campylobacter jejuni LMG 23263,Campylobacter jejuni LMG 23264,Campylobacter jejuni LMG 23269,Campylobacter jejuni LMG 23357,Campylobacter jejuni LMG 9081,Campylobacter jejuni LMG 9217,Campylobacter jejuni LMG 9872,Campylobacter jejuni LMG 9879,Campylobacter jejuni M1,Campylobacter jejuni NCTC 11168 ATCC 700819,Campylobacter jejuni NCTC 11168 BN148,Campylobacter jejuni NW,Campylobacter jejuni PT14,Campylobacter jejuni RM1221,Campylobacter jejuni S3,Campylobacter lari RM2100,Campylobacter rectus RM3267,Campylobacter showae CC57C,Campylobacter showae RM3277,Campylobacter upsaliensis JV21,Campylobacter upsaliensis RM3195,Helicobacter acinonychis Sheeba,Helicobacter bilis ATCC 43879,Helicobacter bizzozeronii CCUG 35545,Helicobacter bizzozeronii CIII 1,Helicobacter canadensis MIT 98 5491,Helicobacter cetorum MIT 00 7128,Helicobacter cetorum MIT 99 5656,Helicobacter cinaedi ATCC BAA 847,Helicobacter cinaedi CCUG 18818,Helicobacter cinaedi PAGU611,Helicobacter felis ATCC 49179,Helicobacter heilmannii ASB1 4,Helicobacter hepaticus ATCC 51449,Helicobacter mustelae 12198,Helicobacter pullorum MIT 98 5489,Helicobacter pylori,Helicobacter pylori 2017,Helicobacter pylori 2018,Helicobacter pylori 26695,Helicobacter pylori 35A,Helicobacter pylori 51,Helicobacter pylori 83,Helicobacter pylori 8A3,Helicobacter pylori 908,Helicobacter pylori 98 10,Helicobacter pylori A45,Helicobacter pylori Aklavik117,Helicobacter pylori Aklavik86,Helicobacter pylori B128,Helicobacter pylori B38,Helicobacter pylori B8,Helicobacter pylori BCS100H1,Helicobacter pylori BM012A,Helicobacter pylori BM012S,Helicobacter pylori CCHI 33,Helicobacter pylori CPY1124,Helicobacter pylori CPY1313,Helicobacter pylori CPY1662,Helicobacter pylori CPY1962,Helicobacter pylori CPY3281,Helicobacter pylori CPY6081,Helicobacter pylori CPY6261,Helicobacter pylori CPY6271,Helicobacter pylori CPY6311,Helicobacter pylori Cuz20,Helicobacter pylori ELS37,Helicobacter pylori F16,Helicobacter pylori F30,Helicobacter pylori F32,Helicobacter pylori F57,Helicobacter pylori G27,Helicobacter pylori GAM100Ai,Helicobacter pylori GAM101Biv,Helicobacter pylori GAM103Bi,Helicobacter pylori GAM105Ai,Helicobacter pylori GAM112Ai,Helicobacter pylori GAM114Ai,Helicobacter pylori GAM115Ai,Helicobacter pylori GAM118Bi,Helicobacter pylori GAM119Bi,Helicobacter pylori GAM120Ai,Helicobacter pylori GAM121Aii,Helicobacter pylori GAM201Ai,Helicobacter pylori GAM210Bi,Helicobacter pylori GAM231Ai,Helicobacter pylori GAM239Bi,Helicobacter pylori GAM244Ai,Helicobacter pylori GAM245Ai,Helicobacter pylori GAM246Ai,Helicobacter pylori GAM249T,Helicobacter pylori GAM250AFi,Helicobacter pylori GAM250T,Helicobacter pylori GAM252Bi,Helicobacter pylori 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XZ274,Helicobacter suis HS1,Helicobacter suis HS5,Helicobacter winghamensis ATCC BAA 430,Nautilia profundicola AmH,Nitratifractor salsuginis DSM 16511,Nitratiruptor SB155 2,Sulfuricurvum kujiense DSM 16994,Sulfurimonas autotrophica DSM 16294,Sulfurimonas denitrificans DSM 1251,Sulfurimonas GD1,Sulfurospirillum barnesii SES 3,Sulfurospirillum deleyianum DSM 6946,Sulfurovum AR,Sulfurovum NBC37 1,Wolinella succinogenes DSM 1740,Caminibacter mediatlanticus TB 2,Campylobacterales bacterium GD 1,Thiovulum ES |
| Gammaproteobacteria | Acidithiobacillus caldus SM 1,Acidithiobacillus ferrivorans SS3,Acidithiobacillus ferrooxidans ATCC 23270,Acidithiobacillus ferrooxidans ATCC 53993,Acinetobacter ADP1,Acinetobacter baumannii 1656 2,Acinetobacter baumannii AB0057,Acinetobacter baumannii AB307 0294,Acinetobacter baumannii ACICU,Acinetobacter baumannii ATCC 17978,Acinetobacter baumannii AYE,Acinetobacter baumannii BJAB07104,Acinetobacter baumannii BJAB0715,Acinetobacter baumannii BJAB0868,Acinetobacter baumannii D1279779,Acinetobacter baumannii MDR TJ,Acinetobacter baumannii MDR ZJ06,Acinetobacter baumannii SDF,Acinetobacter baumannii TCDC AB0715,Acinetobacter baumannii TYTH 1,Acinetobacter baumannii ZW85 1,Acinetobacter calcoaceticus PHEA 2,Acinetobacter oleivorans DR1,Actinobacillus pleuropneumoniae serovar 3 JL03,Actinobacillus pleuropneumoniae serovar 5b L20,Actinobacillus pleuropneumoniae serovar 7 AP76,Actinobacillus succinogenes 130Z,Actinobacillus suis H91 0380,Aeromonas hydrophila ATCC 7966,Aeromonas hydrophila ML09 119,Aeromonas salmonicida A449,Aeromonas veronii B565,Aggregatibacter actinomycetemcomitans ANH9381,Aggregatibacter actinomycetemcomitans D11S 1,Aggregatibacter actinomycetemcomitans D7S 1,Aggregatibacter aphrophilus NJ8700,Alcanivorax borkumensis SK2,Alcanivorax dieselolei B5,Aliivibrio salmonicida LFI1238,Alkalilimnicola ehrlichii MLHE 1,Allochromatium vinosum DSM 180,Alteromonas macleodii Aegean Sea MED64,Alteromonas macleodii Balearic Sea AD45,Alteromonas macleodii Black Sea 11,Alteromonas macleodii Deep ecotype,Alteromonas macleodii English Channel 615,Alteromonas macleodii English Channel 673,Alteromonas macleodii Ionian Sea U4,Alteromonas macleodii Ionian Sea U7,Alteromonas macleodii Ionian Sea U8,Alteromonas macleodii Ionian Sea UM4b,Alteromonas macleodii Ionian Sea UM7,Alteromonas macleodii AltDE1,Alteromonas macleodii ATCC 27126,Alteromonas SN2,Azotobacter vinelandii CA,Azotobacter vinelandii CA6,Azotobacter vinelandii DJ,Baumannia cicadellinicola Hc Homalodisca coagulata,Bibersteinia trehalosi 192,Buchnera aphidicola 5A Acyrthosiphon pisum,Buchnera aphidicola Cinara tujafilina,Buchnera aphidicola Ak Acyrthosiphon kondoi,Buchnera aphidicola APS Acyrthosiphon pisum,Buchnera aphidicola Bp Baizongia pistaciae,Buchnera aphidicola Cc Cinara cedri,Buchnera aphidicola JF98 Acyrthosiphon pisum,Buchnera aphidicola JF99 Acyrthosiphon pisum,Buchnera aphidicola LL01 Acyrthosiphon pisum,Buchnera aphidicola LSR1 Acyrthosiphon pisum,Buchnera aphidicola Sg Schizaphis graminum,Buchnera aphidicola TLW03 Acyrthosiphon pisum,Buchnera aphidicola Tuc7 Acyrthosiphon pisum,Buchnera aphidicola Ua Uroleucon ambrosiae,Candidatus Blochmannia chromaiodes 640,Candidatus Blochmannia floridanus,Candidatus Blochmannia pennsylvanicus BPEN,Candidatus Blochmannia vafer BVAF,Candidatus Carsonella ruddii,Candidatus Carsonella ruddii CE isolate Thao2000,Candidatus Carsonella ruddii CS isolate Thao2000,Candidatus Carsonella ruddii DC,Candidatus Carsonella ruddii HC isolate Thao2000,Candidatus Carsonella ruddii HT isolate Thao2000,Candidatus Carsonella ruddii PC isolate NHV,Candidatus Hamiltonella defensa 5AT Acyrthosiphon pisum,Candidatus Moranella endobia PCIT,Candidatus Moranella endobia PCVAL,Candidatus Portiera aleyrodidarum BT B,Candidatus Portiera aleyrodidarum BT QVLC,Candidatus Portiera aleyrodidarum TV,Candidatus Riesia pediculicola USDA,Candidatus Ruthia magnifica Cm Calyptogena magnifica,Candidatus Vesicomyosocius okutanii HA,Cellvibrio BR,Cellvibrio japonicus Ueda107,Chromohalobacter salexigens DSM 3043,Citrobacter 30 2,Citrobacter A1,Citrobacter freundii 4 7 47CFAA,Citrobacter freundii ATCC 8090 MTCC 1658,Citrobacter freundii GTC 09479,Citrobacter koseri ATCC BAA 895,Citrobacter rodentium ICC168,Citrobacter youngae ATCC 29220,Colwellia psychrerythraea 34H,Coxiella burnetii MSU Goat Q177,Coxiella burnetii CbuG Q212,Coxiella burnetii CbuK Q154,Coxiella burnetii Dugway 5J108 111,Coxiella burnetii RSA 331,Coxiella burnetii RSA 334,Coxiella burnetii RSA 493,Cronobacter sakazakii 45402,Cronobacter sakazakii ATCC BAA 894,Cronobacter sakazakii E899,Cronobacter sakazakii ES15,Cronobacter sakazakii Sp291,Cronobacter turicensis z3032,Cycloclasticus P1,Cycloclasticus zancles 7 ME,Dichelobacter nodosus VCS1703A,Dickeya dadantii 3937,Dickeya dadantii Ech586,Dickeya dadantii Ech703,Dickeya zeae Ech1591,Edwardsiella ictaluri 93 146,Edwardsiella tarda ATCC 23685,Edwardsiella tarda C07 087,Edwardsiella tarda EIB202,Edwardsiella tarda FL6 60,Edwardsiella tarda NBRC 105688,Enterobacter 638,Enterobacter aerogenes EA1509E,Enterobacter aerogenes KCTC 2190,Enterobacter Ag1,Enterobacter asburiae LF7a,Enterobacter cancerogenus ATCC 35316,Enterobacter cloacae ATCC 13047,Enterobacter cloacae dissolvens SDM,Enterobacter cloacae EcWSU1,Enterobacter cloacae ENHKU01,Enterobacter cloacae GS1,Enterobacter cloacae NCTC 9394,Enterobacter cloacae SCF1,Enterobacter hormaechei ATCC 49162,Enterobacter mori LMG 25706,Enterobacter 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cholerae TM 11079 80,Vibrio cholerae TMA 21,Vibrio cholerae V51,Vibrio cholerae V52,Vibrio cholerae VC1761,Vibrio cholerae VC35,Vibrio cholerae VC4370,Vibrio coralliilyticus ATCC BAA 450,Vibrio cyclitrophicus ZF14,Vibrio EJY3,Vibrio Ex25,Vibrio fischeri ES114,Vibrio fischeri MJ11,Vibrio fischeri SR5,Vibrio furnissii CIP 102972,Vibrio furnissii NCTC 11218,Vibrio harveyi 1DA3,Vibrio harveyi ATCC BAA 1116,Vibrio harveyi CAIM 1792,Vibrio harveyi HY01,Vibrio ichthyoenteri ATCC 700023,Vibrio MED222,Vibrio metschnikovii CIP 69 14,Vibrio mimicus CAIM 602,Vibrio mimicus MB 451,Vibrio mimicus SX 4,Vibrio mimicus VM223,Vibrio mimicus VM573,Vibrio mimicus VM603,Vibrio N418,Vibrio nigripulchritudo ATCC 27043,Vibrio nigripulchritudo SnF1,Vibrio ordalii ATCC 33509,Vibrio orientalis CIP 102891,Vibrio orientalis CIP 102891 ATCC 33934,Vibrio parahaemolyticus 10329,Vibrio parahaemolyticus 16,Vibrio parahaemolyticus AN 5034,Vibrio parahaemolyticus AQ3810,Vibrio parahaemolyticus AQ4037,Vibrio parahaemolyticus BB22OP,Vibrio parahaemolyticus K5030,Vibrio parahaemolyticus O1 K33 CDC K4557,Vibrio parahaemolyticus Peru 466,Vibrio parahaemolyticus RIMD 2210633,Vibrio RC341,Vibrio RC586,Vibrio rotiferianus DAT722,Vibrio scophthalmi LMG 19158,Vibrio shilonii AK1,Vibrio sinaloensis DSM 21326,Vibrio splendidus 12B01,Vibrio splendidus ATCC 33789,Vibrio splendidus LGP32,Vibrio tubiashii ATCC 19109,Vibrio tubiashii NCIMB 1337 ATCC 19106,Vibrio vulnificus CMCP6,Vibrio vulnificus MO6 24 O,Vibrio vulnificus YJ016,Wigglesworthia glossinidia endosymbiont of Glossina brevipalpis,Wigglesworthia glossinidia endosymbiont of Glossina morsitans Yale colony,Xanthomonas albilineans GPE PC73,Xanthomonas axonopodis citri 306,Xanthomonas axonopodis citrumelo F1,Xanthomonas axonopodis malvacearum GSPB1386,Xanthomonas axonopodis malvacearum GSPB2388,Xanthomonas axonopodis punicae LMG 859,Xanthomonas axonopodis Xac29 1,Xanthomonas campestris,Xanthomonas campestris 8004,Xanthomonas campestris ATCC 33913,Xanthomonas campestris musacearum NCPPB4381,Xanthomonas campestris raphani 756C,Xanthomonas campestris vasculorum NCPPB702,Xanthomonas campestris vesicatoria 85 10,Xanthomonas citri Aw12879,Xanthomonas citri mangiferaeindicae LMG 941,Xanthomonas fuscans aurantifolii ICPB 10535,Xanthomonas fuscans aurantifolii ICPB 11122,Xanthomonas gardneri ATCC 19865,Xanthomonas oryzae KACC 10331,Xanthomonas oryzae MAFF 311018,Xanthomonas oryzae oryzicola BLS256,Xanthomonas oryzae PXO99A,Xanthomonas perforans 91 118,Xanthomonas sacchari NCPPB 4393,Xanthomonas translucens DAR61454,Xanthomonas translucens DSM 18974,Xanthomonas vesicatoria ATCC 35937,Xenorhabdus bovienii SS 2004,Xenorhabdus nematophila ATCC 19061,Xylella fastidiosa 9a5c,Xylella fastidiosa Dixon,Xylella fastidiosa EB92 1,Xylella fastidiosa GB514,Xylella fastidiosa M12,Xylella fastidiosa M23,Xylella fastidiosa Temecula1,Yersinia aldovae ATCC 35236,Yersinia bercovieri ATCC 43970,Yersinia enterocolitica 8081,Yersinia enterocolitica IP 10393,Yersinia enterocolitica palearctica 105 5R r,Yersinia enterocolitica palearctica PhRBD Ye1,Yersinia enterocolitica palearctica Y11,Yersinia enterocolitica WA 314,Yersinia frederiksenii ATCC 33641,Yersinia intermedia ATCC 29909,Yersinia kristensenii ATCC 33638,Yersinia mollaretii ATCC 43969,Yersinia pestis A1122,Yersinia pestis Angola,Yersinia pestis Antiqua,Yersinia pestis biovar Antiqua B42003004,Yersinia pestis biovar Antiqua E1979001,Yersinia pestis biovar Antiqua UG05 0454,Yersinia pestis biovar Mediaevalis K1973002,Yersinia pestis biovar Medievalis Harbin 35,Yersinia pestis biovar Microtus 91001,Yersinia pestis biovar Orientalis F1991016,Yersinia pestis biovar Orientalis India 195,Yersinia pestis biovar Orientalis IP275,Yersinia pestis biovar Orientalis MG05 1020,Yersinia pestis biovar Orientalis PEXU2,Yersinia pestis CA88 4125,Yersinia pestis CO92,Yersinia pestis D106004,Yersinia pestis D182038,Yersinia pestis FV 1,Yersinia pestis INS,Yersinia pestis KIM 10,Yersinia pestis KIM D27,Yersinia pestis Nepal516,Yersinia pestis Pestoides A,Yersinia pestis Pestoides F,Yersinia pestis PY 01,Yersinia pestis PY 02,Yersinia pestis PY 03,Yersinia pestis PY 04,Yersinia pestis PY 05,Yersinia pestis PY 06,Yersinia pestis PY 07,Yersinia pestis PY 08,Yersinia pestis PY 09,Yersinia pestis PY 10,Yersinia pestis PY 100,Yersinia pestis PY 101,Yersinia pestis PY 102,Yersinia pestis PY 103,Yersinia pestis PY 11,Yersinia pestis PY 113,Yersinia pestis PY 12,Yersinia pestis PY 13,Yersinia pestis PY 14,Yersinia pestis PY 15,Yersinia pestis PY 16,Yersinia pestis PY 19,Yersinia pestis PY 25,Yersinia pestis PY 29,Yersinia pestis PY 32,Yersinia pestis PY 34,Yersinia pestis PY 36,Yersinia pestis PY 42,Yersinia pestis PY 45,Yersinia pestis PY 46,Yersinia pestis PY 47,Yersinia pestis PY 48,Yersinia pestis PY 52,Yersinia pestis PY 53,Yersinia pestis PY 54,Yersinia pestis PY 55,Yersinia pestis PY 56,Yersinia pestis PY 58,Yersinia pestis PY 59,Yersinia pestis PY 60,Yersinia pestis PY 61,Yersinia pestis PY 63,Yersinia pestis PY 64,Yersinia pestis PY 65,Yersinia pestis PY 66,Yersinia pestis PY 71,Yersinia pestis PY 72,Yersinia pestis PY 76,Yersinia pestis PY 88,Yersinia pestis PY 89,Yersinia pestis PY 90,Yersinia pestis PY 91,Yersinia pestis PY 92,Yersinia pestis PY 93,Yersinia pestis PY 94,Yersinia pestis PY 95,Yersinia pestis PY 96,Yersinia pestis PY 98,Yersinia pestis PY 99,Yersinia pestis Z176003,Yersinia pseudotuberculosis IP 31758,Yersinia pseudotuberculosis IP 32953,Yersinia pseudotuberculosis PB1,Yersinia pseudotuberculosis YPIII,Yersinia rohdei ATCC 43380,Yersinia ruckeri ATCC 29473,Beggiatoa alba B18LD,Beggiatoa SS,Bermanella marisrubri,Brenneria EniD312,Cardiobacterium hominis ATCC 15826,Cardiobacterium valvarum F0432,Congregibacter litoralis KT71,Diplorickettsia massiliensis 20B,Ectothiorhodospira PHS 1,Ectothiorhodospiraceae bacterium M19 40,Endoriftia persephone Hot96 1 Hot96 2,Enhydrobacter aerosaccus SK60,Enterovibrio AK16,Fluoribacter dumoffii Tex KL,Gallaecimonas xiamenensis 3 C 1,Grimontia hollisae CIP 101886,Hafnia alvei ATCC 51873,Hydrocarboniphaga effusa AP103,Marichromatium purpuratum 984,Marinobacterium stanieri S30,Methylobacter tundripaludum SV96,Moritella PE36,Neptuniibacter caesariensis,Nitrococcus mobilis Nb 231,Reinekea blandensis MED297,Rheinheimera A13L,Rheinheimera nanhaiensis E407 8,Rickettsiella grylli,Salinisphaera shabanensis E1L3A,Spiribacter UAH SP71,Succinatimonas hippei YIT 12066,Succinivibrionaceae bacterium WG 1,Thiocapsa marina 5811,Thiorhodococcus drewsii AZ1,Thiorhodospira sibirica ATCC 700588,Thiothrix nivea DSM 5205,Vibrionales bacterium SWAT 3,Wohlfahrtiimonas chitiniclastica SH04,Yokenella regensburgei ATCC 43003,Plautia stali symbiont,gamma proteobacterium BDW918,gamma proteobacterium HIMB30,gamma proteobacterium HIMB55,gamma proteobacterium HTCC2207,gamma proteobacterium HTCC5015,gamma proteobacterium IMCC1989,gamma proteobacterium IMCC2047,gamma proteobacterium IMCC3088,gamma proteobacterium NOR51 B,gamma proteobacterium NOR5 3,gamma proteobacterium SCGC AAA001 B15,gamma proteobacterium SCGC AAA007 O20,Listonella anguillarum M3,marine gamma proteobacterium HTCC2080,marine gamma proteobacterium HTCC2143,marine gamma proteobacterium HTCC2148,SAR86 cluster bacterium SAR86C,SAR86 cluster bacterium SAR86D,SAR86 cluster bacterium SAR86E,Thiorhodovibrio 970,Candidatus Regiella insecticola LSR1,Candidatus Regiella insecticola R5 15 |
| Zetaproteobacteria | Mariprofundus ferrooxydans PV 1 |
| Spirochaetes | Borrelia afzelii ACA 1,Borrelia afzelii HLJ01,Borrelia afzelii PKo,Borrelia bissettii DN127,Borrelia burgdorferi 118a,Borrelia burgdorferi 156a,Borrelia burgdorferi 29805,Borrelia burgdorferi 64b,Borrelia burgdorferi 72a,Borrelia burgdorferi 80a,Borrelia burgdorferi 94a,Borrelia burgdorferi B31,Borrelia burgdorferi Bol26,Borrelia burgdorferi CA382,Borrelia burgdorferi CA 11 2a,Borrelia burgdorferi JD1,Borrelia burgdorferi N40,Borrelia burgdorferi WI91 23,Borrelia burgdorferi ZS7,Borrelia crocidurae Achema,Borrelia duttonii Ly,Borrelia garinii BgVir,Borrelia garinii Far04,Borrelia garinii NMJW1,Borrelia garinii PBi,Borrelia garinii PBr,Borrelia hermsii DAH,Borrelia miyamotoi LB 2001,Borrelia recurrentis A1,Borrelia spielmanii A14S,Borrelia SV1,Borrelia turicatae 91E135,Brachyspira 30446,Brachyspira hampsonii 30599,Brachyspira hyodysenteriae WA1,Brachyspira intermedia PWS A,Brachyspira murdochii DSM 12563,Brachyspira pilosicoli 95 1000,Brachyspira pilosicoli B2904,Brachyspira pilosicoli P43 6 78,Brachyspira pilosicoli WesB,Leptospira alexanderi serovar Manhao 3 L 60,Leptospira biflexa serovar Patoc Patoc 1 Ames,Leptospira biflexa serovar Patoc Patoc 1 Paris,Leptospira borgpetersenii 200701203,Leptospira borgpetersenii 200801926,Leptospira borgpetersenii 200901122,Leptospira borgpetersenii Brem 307,Leptospira borgpetersenii Brem 328,Leptospira borgpetersenii Noumea 25,Leptospira borgpetersenii serovar Castellonis 200801910,Leptospira borgpetersenii serovar Hardjo bovis JB197,Leptospira borgpetersenii serovar Hardjo bovis L550,Leptospira borgpetersenii serovar Javanica MK146,Leptospira borgpetersenii serovar Mini 200901116,Leptospira borgpetersenii serovar Pomona 200901868,Leptospira borgpetersenii UI 09149,Leptospira broomii 5399,Leptospira Fiocruz LV3954,Leptospira Fiocruz LV4135,Leptospira inadai serovar Lyme 10,Leptospira interrogans 2002000621,Leptospira interrogans 2002000623,Leptospira interrogans 2002000624,Leptospira interrogans 2002000626,Leptospira interrogans 2006001854,Leptospira interrogans Brem 329,Leptospira interrogans C10069,Leptospira interrogans FPW1039,Leptospira interrogans FPW2026,Leptospira interrogans HAI1536,Leptospira interrogans L0996,Leptospira interrogans L1207,Leptospira interrogans MMD3731,Leptospira interrogans serovar Australis 200703203,Leptospira interrogans serovar Autumnalis LP101,Leptospira interrogans serovar Bataviae 2006006959,Leptospira interrogans serovar Bataviae 2006006976,Leptospira interrogans serovar Bataviae HAI135,Leptospira interrogans serovar Bataviae Kariadi Satu,Leptospira interrogans serovar Bataviae L1111,Leptospira interrogans serovar Bataviae Swart,Leptospira interrogans serovar Bataviae UI 08561,Leptospira interrogans serovar Bataviae UT234,Leptospira interrogans serovar Bratislava Brem 137,Leptospira interrogans serovar Bulgarica Mallika,Leptospira interrogans serovar Canicola Fiocruz LV133,Leptospira interrogans serovar Canicola HAI0024,Leptospira interrogans serovar Canicola LT1962,Leptospira interrogans serovar Copenhageni 2001025091,Leptospira interrogans serovar Copenhageni 2006007831,Leptospira interrogans serovar Copenhageni Fiocruz LV192,Leptospira interrogans serovar Copenhageni Fiocruz LV199,Leptospira interrogans serovar Copenhageni Fiocruz LV204,Leptospira interrogans serovar Copenhageni Fiocruz LV212,Leptospira interrogans serovar Copenhageni Fiocruz LV239,Leptospira interrogans serovar Copenhageni Fiocruz LV2752,Leptospira interrogans serovar Copenhageni Fiocruz LV2756C6,Leptospira interrogans serovar Copenhageni Fiocruz LV2759,Leptospira interrogans serovar Copenhageni Fiocruz LV2763,Leptospira interrogans serovar Copenhageni Fiocruz LV2767,Leptospira interrogans serovar Copenhageni Fiocruz LV2772,Leptospira interrogans serovar Copenhageni Fiocruz LV2776,Leptospira interrogans serovar Copenhageni Fiocruz LV2787,Leptospira interrogans serovar Copenhageni Fiocruz LV2790,Leptospira interrogans serovar Copenhageni Fiocruz LV2791,Leptospira interrogans serovar Copenhageni Fiocruz LV2799,Leptospira interrogans serovar Copenhageni Fiocruz LV2804,Leptospira interrogans serovar Copenhageni Fiocruz LV2805,Leptospira interrogans serovar Copenhageni Fiocruz LV2806,Leptospira interrogans serovar Copenhageni Fiocruz LV2811,Leptospira interrogans serovar Copenhageni Fiocruz LV2812,Leptospira interrogans serovar Copenhageni Fiocruz LV2825,Leptospira interrogans serovar Copenhageni Fiocruz LV2832,Leptospira interrogans serovar Copenhageni Fiocruz LV2897,Leptospira interrogans serovar Copenhageni Fiocruz LV2948,Leptospira interrogans serovar Copenhageni Fiocruz LV2953,Leptospira interrogans serovar Copenhageni Fiocruz LV2958,Leptospira interrogans serovar Copenhageni Fiocruz LV2959,Leptospira interrogans serovar Copenhageni Fiocruz LV2973,Leptospira interrogans serovar Copenhageni Fiocruz LV3086,Leptospira interrogans serovar Copenhageni Fiocruz LV3094,Leptospira interrogans serovar Copenhageni Fiocruz LV3096,Leptospira interrogans serovar Copenhageni Fiocruz LV3323,Leptospira interrogans serovar Copenhageni Fiocruz LV3373,Leptospira interrogans serovar Copenhageni Fiocruz LV3737,Leptospira interrogans serovar Copenhageni Fiocruz LV3738,Leptospira interrogans serovar Copenhageni Fiocruz LV3834,Leptospira interrogans serovar Copenhageni Fiocruz LV3879,Leptospira interrogans serovar Copenhageni Fiocruz R154,Leptospira interrogans serovar Copenhageni Fiocruz R83,Leptospira interrogans serovar Copenhageni HAI0156,Leptospira interrogans serovar Copenhageni HAI0188,Leptospira interrogans serovar Copenhageni LT2050,Leptospira interrogans serovar Copenhageni P2518,Leptospira interrogans serovar Copenhageni R066,Leptospira interrogans serovar Copenhageni R103,Leptospira interrogans serovar Djasiman LT1649,Leptospira interrogans serovar Grippotyphosa 2006006986,Leptospira interrogans serovar Grippotyphosa Andaman,Leptospira interrogans serovar Grippotyphosa LT2186,Leptospira interrogans serovar Grippotyphosa UI 08368,Leptospira interrogans serovar Grippotyphosa UI 08434,Leptospira interrogans serovar Grippotyphosa UI 12764,Leptospira interrogans serovar Grippotyphosa UI 12769,Leptospira interrogans serovar Hebdomadis R499,Leptospira interrogans serovar Icterohaemorrhagiae P2422,Leptospira interrogans serovar Icterohaemorrhagiae P2547,Leptospira interrogans serovar Icterohaemorrhagiae P2554,Leptospira interrogans serovar Icterohaemorrhagiae Verdun HP,Leptospira interrogans serovar Icterohaemorrhagiae Verdun LP,Leptospira interrogans serovar Lai,Leptospira interrogans serovar Lai 56601,Leptospira interrogans serovar Lai IPAV,Leptospira interrogans serovar Lai Langkawi,Leptospira interrogans serovar Lai LPS mutant,Leptospira interrogans serovar Lora TE 1992,Leptospira interrogans serovar Manilae M001 Tn Mutant Parent,Leptospira interrogans serovar Manilae M1352 LPS mutant,Leptospira interrogans serovar Manilae M776 fur mutant,Leptospira interrogans serovar Manilae M874 LA0615 mutant,Leptospira interrogans serovar Manilae M933 lip32 mutant,Leptospira interrogans serovar Medanensis L0448,Leptospira interrogans serovar Medanensis L0887,Leptospira interrogans serovar Medanensis UT053,Leptospira interrogans serovar Muenchen Brem 129,Leptospira interrogans serovar Pomona,Leptospira interrogans serovar Pomona CSL10083,Leptospira interrogans serovar Pomona Fox 32256,Leptospira interrogans serovar Pomona Kennewicki LC82 25,Leptospira interrogans serovar Pomona UT364,Leptospira interrogans serovar Pyrogenes 2006006956,Leptospira interrogans serovar Pyrogenes 2006006960,Leptospira interrogans serovar Pyrogenes 200701872,Leptospira interrogans serovar Pyrogenes L0374,Leptospira interrogans serovar Pyrogenes R168,Leptospira interrogans serovar Valbuzzi,Leptospira interrogans serovar Zanoni LT2156,Leptospira interrogans UI 08452,Leptospira interrogans UI 09600,Leptospira interrogans UI 12621,Leptospira interrogans UI 12758,Leptospira interrogans UI 13372,Leptospira kirschneri 200801774,Leptospira kirschneri 200801925,Leptospira kirschneri 200802841,Leptospira kirschneri 200803703,Leptospira kirschneri 2008720114,Leptospira kirschneri H1,Leptospira kirschneri H2,Leptospira kirschneri serovar Bim 1051,Leptospira kirschneri serovar Grippotyphosa Moskva,Leptospira kirschneri serovar Grippotyphosa RM52,Leptospira kirschneri serovar Sokoine RM1,Leptospira kirschneri serovar Valbuzzi 200702274,Leptospira kmetyi serovar Malaysia Bejo Iso9,Leptospira licerasiae MMD4847,Leptospira licerasiae serovar Varillal MMD0835,Leptospira licerasiae serovar Varillal VAR 010,Leptospira meyeri serovar Hardjo Went 5,Leptospira noguchii 2001034031,Leptospira noguchii 2006001870,Leptospira noguchii 2007001578,Leptospira noguchii Bonito,Leptospira noguchii Cascata,Leptospira noguchii Hook,Leptospira noguchii serovar Autumnalis ZUN142,Leptospira santarosai 2000027870,Leptospira santarosai 2000030832,Leptospira santarosai 200403458,Leptospira santarosai 200702252,Leptospira santarosai AIM,Leptospira santarosai CBC1416,Leptospira santarosai CBC1531,Leptospira santarosai CBC379,Leptospira santarosai CBC523,Leptospira santarosai HAI134,Leptospira santarosai HAI1380,Leptospira santarosai HAI1594,Leptospira santarosai HAI821,Leptospira santarosai JET,Leptospira santarosai MOR084,Leptospira santarosai serovar Arenal MAVJ 401,Leptospira santarosai serovar Shermani LT 821,Leptospira santarosai ST188,Leptospira santarosai ZUN179,Leptospira weilii 2006001853,Leptospira weilii 2006001855,Leptospira weilii LNT 1234,Leptospira weilii serovar Topaz LT2116,Leptospira weilii UI 13098,Sphaerochaeta pleomorpha Grapes,Spirochaeta africana DSM 8902,Spirochaeta Buddy,Spirochaeta caldaria DSM 7334,Spirochaeta coccoides DSM 17374,Spirochaeta smaragdinae DSM 11293,Spirochaeta thermophila DSM 6192,Spirochaeta thermophila DSM 6578,Treponema azotonutricium ZAS 9,Treponema brennaborense DSM 12168,Treponema denticola AL 2,Treponema denticola ASLM,Treponema denticola ATCC 33520,Treponema denticola ATCC 33521,Treponema denticola ATCC 35404,Treponema denticola ATCC 35405,Treponema denticola F0402,Treponema denticola H1 T,Treponema denticola H 22,Treponema denticola MYR T,Treponema denticola OTK,Treponema denticola SP33,Treponema denticola SP37,Treponema denticola US Trep,Treponema JC4,Treponema pallidum Chicago,Treponema pallidum DAL 1,Treponema pallidum Fribourg Blanc,Treponema pallidum Mexico A,Treponema pallidum Nichols,Treponema pallidum pertenue CDC2,Treponema pallidum pertenue Gauthier,Treponema pallidum pertenue SamoaD,Treponema pallidum SS14,Treponema paraluiscuniculi Cuniculi A,Treponema pedis T A4,Treponema primitia ZAS 1,Treponema primitia ZAS 2,Treponema saccharophilum DSM 2985,Treponema succinifaciens DSM 2489,Treponema vincentii ATCC 35580,Turneriella parva DSM 21527,Leptonema illini DSM 21528 |
| Synergistetes | Aminobacterium colombiense DSM 12261,Anaerobaculum mobile DSM 13181,Synergistetes bacterium SGP1,Thermanaerovibrio acidaminovorans DSM 6589,Thermanaerovibrio velox DSM 12556,Thermovirga lienii DSM 17291,Dethiosulfovibrio peptidovorans DSM 11002,Jonquetella anthropi DSM 22815,Jonquetella anthropi E3 33 E1,Pyramidobacter piscolens W5455,Synergistes 3 1 syn1 |
| Tenericutes | Acholeplasma laidlawii PG 8A,Candidatus Mycoplasma haemolamae Purdue,Candidatus Mycoplasma haemominutum Birmingham 1,Candidatus Phytoplasma australiense,Candidatus Phytoplasma mali,Candidatus Phytoplasma solani 284 09,Mesoplasma florum L1,Mesoplasma florum W37,Mycoplasma agalactiae,Mycoplasma agalactiae 14628,Mycoplasma agalactiae PG2,Mycoplasma alligatoris A21JP2,Mycoplasma anatis 1340,Mycoplasma arthritidis 158L3 1,Mycoplasma bovis HB0801,Mycoplasma bovis Hubei 1,Mycoplasma bovis PG45,Mycoplasma canis PG 14,Mycoplasma canis UF31,Mycoplasma canis UF33,Mycoplasma canis UFG1,Mycoplasma canis UFG4,Mycoplasma capricolum ATCC 27343,Mycoplasma columbinum SF7,Mycoplasma conjunctivae,Mycoplasma crocodyli MP145,Mycoplasma cynos C142,Mycoplasma fermentans JER,Mycoplasma fermentans M64,Mycoplasma fermentans PG18,Mycoplasma G5847,Mycoplasma gallisepticum CA06 2006 052 5 2P,Mycoplasma gallisepticum F,Mycoplasma gallisepticum NC06 2006 080 5 2P,Mycoplasma gallisepticum NC08 2008 031 4 3P,Mycoplasma gallisepticum NC95 13295 2 2P,Mycoplasma gallisepticum NC96 1596 4 2P,Mycoplasma gallisepticum NY01 2001 047 5 1P,Mycoplasma gallisepticum R high,Mycoplasma gallisepticum R low,Mycoplasma gallisepticum S6,Mycoplasma gallisepticum VA94 7994 1 7P,Mycoplasma gallisepticum WI01 2001 043 13 2P,Mycoplasma genitalium G37,Mycoplasma genitalium M2288,Mycoplasma genitalium M2321,Mycoplasma genitalium M6282,Mycoplasma genitalium M6320,Mycoplasma haemocanis Illinois,Mycoplasma haemofelis Langford 1,Mycoplasma haemofelis Ohio2,Mycoplasma hominis ATCC 23114,Mycoplasma hyopneumoniae 168,Mycoplasma hyopneumoniae 168 L,Mycoplasma hyopneumoniae 232,Mycoplasma hyopneumoniae 7422,Mycoplasma hyopneumoniae 7448,Mycoplasma hyopneumoniae J,Mycoplasma hyorhinis DBS 1050,Mycoplasma hyorhinis GDL 1,Mycoplasma hyorhinis HUB 1,Mycoplasma hyorhinis MCLD,Mycoplasma hyorhinis SK76,Mycoplasma iowae 695,Mycoplasma leachii 99 014 6,Mycoplasma leachii PG50,Mycoplasma mobile 163K,Mycoplasma mycoides capri LC 95010,Mycoplasma mycoides SC Gladysdale,Mycoplasma mycoides SC PG1,Mycoplasma ovipneumoniae SC01,Mycoplasma ovis Michigan,Mycoplasma parvum Indiana,Mycoplasma penetrans HF 2,Mycoplasma pneumoniae 309,Mycoplasma pneumoniae FH,Mycoplasma pneumoniae M129,Mycoplasma pneumoniae M129 B7,Mycoplasma pulmonis UAB CTIP,Mycoplasma putrefaciens KS1,Mycoplasma putrefaciens Mput9231,Mycoplasma suis Illinois,Mycoplasma suis KI3806,Mycoplasma synoviae 53,Mycoplasma wenyonii Massachusetts,Ureaplasma parvum serovar 14 ATCC 33697,Ureaplasma parvum serovar 1 ATCC 27813,Ureaplasma parvum serovar 3 ATCC 27815,Ureaplasma parvum serovar 3 ATCC 700970,Ureaplasma parvum serovar 6 ATCC 27818,Ureaplasma urealyticum serovar 10 ATCC 33699,Ureaplasma urealyticum serovar 11 ATCC 33695,Ureaplasma urealyticum serovar 12 ATCC 33696,Ureaplasma urealyticum serovar 13 ATCC 33698,Ureaplasma urealyticum serovar 2 ATCC 27814,Ureaplasma urealyticum serovar 4 ATCC 27816,Ureaplasma urealyticum serovar 5 ATCC 27817,Ureaplasma urealyticum serovar 7 ATCC 27819,Ureaplasma urealyticum serovar 8 ATCC 27618,Ureaplasma urealyticum serovar 9 ATCC 33175,Aster yellows witches broom phytoplasma AYWB,Spiroplasma apis B31,Spiroplasma chrysopicola DF 1,Spiroplasma diminutum CUAS 1,Spiroplasma melliferum IPMB4A,Spiroplasma melliferum KC3,Spiroplasma syrphidicola EA 1,Spiroplasma taiwanense CT 1,Onion yellows phytoplasma OY M,Peanut witches broom phytoplasma NTU2011,Strawberry lethal yellows phytoplasma CPA NZSb11 |
| Thermodesulfobacteria | Thermodesulfatator indicus DSM 15286,Thermodesulfobacterium OPB45 |
| Thermotogae | Fervidobacterium nodosum Rt17 B1,Fervidobacterium pennivorans DSM 9078,Kosmotoga olearia TBF 19 5 1,Marinitoga piezophila KA3,Mesotoga prima MesG1 Ag 4 2,Petrotoga mobilis SJ95,Thermotoga neapolitana DSM 4359,Thermotoga petrophila RKU 1,Thermotoga RQ2,Thermotoga thermarum DSM 5069,Thermosipho africanus H17ap60334,Thermosipho africanus TCF52B,Thermosipho melanesiensis BI429,Thermotoga EMP,Thermotoga lettingae TMO,Thermotoga maritima MSB8,Thermotoga naphthophila RKU 10, |
| Crenarchaeota | Acidianus hospitalis W1,Acidilobus saccharovorans 345 15,Aeropyrum camini SY1 JCM 12091,Aeropyrum pernix K1,Caldisphaera lagunensis DSM 15908,Caldivirga maquilingensis IC 167,Desulfurococcus fermentans DSM 16532,Desulfurococcus kamchatkensis 1221n,Desulfurococcus mucosus DSM 2162,Fervidicoccus fontis Kam940,Hyperthermus butylicus DSM 5456,Ignicoccus hospitalis KIN4 I,Ignisphaera aggregans DSM 17230,Metallosphaera cuprina Ar 4,Metallosphaera sedula DSM 5348,Metallosphaera yellowstonensis MK1,Pyrobaculum 1860,Pyrobaculum aerophilum IM2,Pyrobaculum arsenaticum DSM 13514,Pyrobaculum calidifontis JCM 11548,Pyrobaculum islandicum DSM 4184,Pyrobaculum neutrophilum V24Sta,Pyrobaculum oguniense TE7,Pyrolobus fumarii 1A,Staphylothermus hellenicus DSM 12710,Staphylothermus marinus F1,Sulfolobus acidocaldarius DSM 639,Sulfolobus acidocaldarius N8,Sulfolobus acidocaldarius Ron12 I,Sulfolobus acidocaldarius SUSAZ,Sulfolobus islandicus HVE10 4,Sulfolobus islandicus L D 8 5,Sulfolobus islandicus L S 2 15,Sulfolobus islandicus LAL14 1,Sulfolobus islandicus M 14 25,Sulfolobus islandicus M 16 27,Sulfolobus islandicus M 16 4,Sulfolobus islandicus REY15A,Sulfolobus islandicus Y G 57 14,Sulfolobus islandicus Y N 15 51,Sulfolobus solfataricus 98 2,Sulfolobus solfataricus P2,Sulfolobus tokodaii 7,Thermofilum 1910b,Thermofilum pendens Hrk 5,Thermogladius 1633,Thermoproteus tenax Kra 1,Thermoproteus uzoniensis 768 20,Thermosphaera aggregans DSM 11486,Vulcanisaeta distributa DSM 14429,Vulcanisaeta moutnovskia 768 28 |
| Euryarchaeota | Aciduliprofundum boonei T469,Aciduliprofundum MAR08 339,Archaeoglobus fulgidus DSM 4304,Archaeoglobus profundus DSM 5631,Archaeoglobus sulfaticallidus PM70 1,Archaeoglobus veneficus SNP6,Ferroglobus placidus DSM 10642,Halalkalicoccus jeotgali B3,Haloarcula amylolytica JCM 13557,Haloarcula argentinensis DSM 12282,Haloarcula californiae ATCC 33799,Haloarcula hispanica ATCC 33960,Haloarcula hispanica N601,Haloarcula japonica DSM 6131,Haloarcula marismortui ATCC 43049,Haloarcula sinaiiensis ATCC 33800,Haloarcula vallismortis ATCC 29715,Halobacterium DL1,Halobacterium NRC 1,Halobacterium salinarum R1,Haloferax alexandrinus JCM 10717,Haloferax ATCC BAA 644,Haloferax ATCC BAA 645,Haloferax ATCC BAA 646,Haloferax BAB2207,Haloferax denitrificans ATCC 35960,Haloferax elongans ATCC BAA 1513,Haloferax gibbonsii ATCC 33959,Haloferax larsenii JCM 13917,Haloferax lucentense DSM 14919,Haloferax mediterranei ATCC 33500,Haloferax mucosum ATCC BAA 1512,Haloferax prahovense DSM 18310,Haloferax sulfurifontis ATCC BAA 897,Haloferax volcanii DS2,Halogeometricum borinquense DSM 11551,Halomicrobium mukohataei DSM 12286,Halopiger xanaduensis SH 6,Haloquadratum walsbyi C23,Haloquadratum walsbyi DSM 16790,Halorhabdus tiamatea SARL4B,Halorhabdus utahensis DSM 12940,Halorubrum aidingense JCM 13560,Halorubrum arcis JCM 13916,Halorubrum californiensis DSM 19288,Halorubrum coriense DSM 10284,Halorubrum distributum JCM 10118,Halorubrum distributum JCM 9100,Halorubrum hochstenium ATCC 700873,Halorubrum kocurii JCM 14978,Halorubrum lacusprofundi ATCC 49239,Halorubrum lipolyticum DSM 21995,Halorubrum litoreum JCM 13561,Halorubrum saccharovorum DSM 1137,Halorubrum tebenquichense DSM 14210,Halorubrum terrestre JCM 10247,Haloterrigena limicola JCM 13563,Haloterrigena salina JCM 13891,Haloterrigena thermotolerans DSM 11522,Haloterrigena turkmenica DSM 5511,Halovivax asiaticus JCM 14624,Halovivax ruber XH 70,Methanobacterium AL 21,Methanobacterium formicicum DSM 3637,Methanobacterium Maddingley MBC34,Methanobacterium MB1,Methanobacterium SWAN 1,Methanobrevibacter AbM4,Methanobrevibacter ruminantium M1,Methanobrevibacter smithii ATCC 35061,Methanobrevibacter smithii DSM 2374,Methanobrevibacter smithii DSM 2375,Methanocaldococcus fervens AG86,Methanocaldococcus FS406 22,Methanocaldococcus infernus ME,Methanocaldococcus jannaschii DSM 2661,Methanocaldococcus vulcanius M7,Methanocella arvoryzae MRE50,Methanocella conradii HZ254,Methanocella paludicola SANAE,Methanococcoides burtonii DSM 6242,Methanococcus aeolicus Nankai 3,Methanococcus maripaludis C5,Methanococcus maripaludis C6,Methanococcus maripaludis C7,Methanococcus maripaludis S2,Methanococcus maripaludis X1,Methanococcus vannielii SB,Methanococcus voltae A3,Methanocorpusculum labreanum Z,Methanoculleus bourgensis MS2,Methanoculleus marisnigri JR1,Methanohalobium evestigatum Z 7303,Methanohalophilus mahii DSM 5219,Methanolobus psychrophilus R15,Methanomethylovorans hollandica DSM 15978,Methanoplanus limicola DSM 2279,Methanoplanus petrolearius DSM 11571,Methanopyrus kandleri AV19,Methanoregula boonei 6A8,Methanoregula formicicum SMSP,Methanosaeta concilii GP6,Methanosaeta harundinacea 6Ac,Methanosaeta thermophila PT,Methanosalsum zhilinae DSM 4017,Methanosarcina acetivorans C2A,Methanosarcina barkeri Fusaro,Methanosarcina mazei Go1,Methanosarcina mazei Tuc01,Methanosphaera stadtmanae DSM 3091,Methanosphaerula palustris E1 9c,Methanospirillum hungatei JF 1,Methanothermobacter marburgensis Marburg,Methanothermobacter thermautotrophicus Delta H,Methanothermococcus okinawensis IH1,Methanothermus fervidus DSM 2088,Methanotorris formicicus Mc S 70,Methanotorris igneus Kol 5,Natrialba aegyptia DSM 13077,Natrialba asiatica DSM 12278,Natrialba chahannaoensis JCM 10990,Natrialba hulunbeirensis JCM 10989,Natrialba magadii ATCC 43099,Natrialba taiwanensis DSM 12281,Natrinema altunense JCM 12890,Natrinema gari JCM 14663,Natrinema J7,Natrinema pallidum DSM 3751,Natrinema pellirubrum DSM 15624,Natrinema versiforme JCM 10478,Natronobacterium gregoryi SP2,Natronococcus amylolyticus DSM 10524,Natronococcus jeotgali DSM 18795,Natronococcus occultus SP4,Natronomonas moolapensis 8 8 11,Natronomonas pharaonis DSM 2160,Picrophilus torridus DSM 9790,Pyrococcus abyssi GE5,Pyrococcus furiosus COM1,Pyrococcus furiosus DSM 3638,Pyrococcus horikoshii OT3,Pyrococcus NA2,Pyrococcus ST04,Pyrococcus yayanosii CH1,Thermococcus 4557,Thermococcus AM4,Thermococcus barophilus MP,Thermococcus CL1,Thermococcus gammatolerans EJ3,Thermococcus kodakarensis KOD1,Thermococcus litoralis DSM 5473,Thermococcus onnurineus NA1,Thermococcus sibiricus MM 739,Thermococcus zilligii AN1,Thermoplasma acidophilum DSM 1728,Thermoplasma volcanium GSS1,Thermoplasmatales archaeon BRNA1,Thermoplasmatales archaeon N05,Thermoplasmatales archaeon SCGC AB 540 F20,Ferroplasma acidarmanus fer1,Haladaptatus paucihalophilus DX253,Halobiforma lacisalsi AJ5,Halobiforma nitratireducens JCM 10879,Halococcus hamelinensis 100A6,Halococcus morrhuae DSM 1307,Halococcus saccharolyticus DSM 5350,Halococcus salifodinae DSM 8989,Halococcus thailandensis JCM 13552,Halogranum salarium B 1,Halosarcina pallida JCM 14848,Halosimplex carlsbadense 2 9 1,Methanofollis liminatans DSM 4140,Methanolinea tarda NOBI 1,Methanomassiliicoccus Mx1 Issoire,Natronolimnobius innermongolicus JCM 12255,Natronorubrum bangense JCM 10635,Natronorubrum sulfidifaciens JCM 14089,Natronorubrum tibetense GA33,Salinarchaeum laminariae Harcht Bsk1 |
| Korarchaeota | Candidatus Korarchaeum cryptofilum OPF8 |
| Thaumarchaeota | Candidatus Nitrosopumilus AR2,Candidatus Nitrosopumilus koreensis AR1,Candidatus Nitrososphaera gargensis Ga9 2,Cenarchaeum symbiosum A,Nitrosopumilus maritimus SCM1,Nitrosopumilus MY1,Thaumarchaeota archaeon E09,Candidatus Caldiarchaeum subterraneum,Candidatus Nitrosoarchaeum limnia BG20,Candidatus Nitrosoarchaeum limnia SFB1,marine archaeal group 1 BD31 |
| Nanoarchaeota | Nanoarchaeum equitans Kin4 M |
| Nanohaloarchaeota | Candidatus Haloredivivus G17 |
| Alveolates | Cryptosporidium parvum,Plasmodium falciparum,Plasmodium falciparum OLD,Theileria annulata,Theileria parva |
| Amoeboflagellate | Dictyostelium discoideum |
| Euglenozoa | Leishmania braziliensis,Leishmania donovani,Leishmania infantum,Leishmania major,Trypanosoma brucei |
| Microsporidians | Encephalitozoon cuniculi,Encephalitozoon intestinalis ATCC 50506 |
| Ascomycetes | Aspergillus fumigatus,Aspergillus nidulans FGSC A4,Aspergillus niger CBS 513 88,Aspergillus oryzae RIB40,Candida albicans,Candida dubliniensis CD36,Candida glabrata,Candida glabrata CBS138,Debaryomyces hansenii CBS767,Eremothecium cymbalariae DBVPG 7215,Eremothecium gossypii,Kazachstania africana CBS 2517,Kluyveromyces lactis NRRL Y-1140,Lachancea thermotolerans CBS 6340,Magnaporthe grisea 70-15,Myceliophthora thermophila ATCC 42464,Naumovozyma castellii CBS 4309,Naumovozyma dairenensis CBS 421,Neurospora crassa,Pichia pastoris GS115,Pichia stipitis CBS 6054,Podospora anserina DSM 980,Saccharomyces cerevisiae,Schizosaccharomyces pombe,Schizosaccharomyces pombe OLD,Tetrapisispora phaffii CBS 4417,Thielavia terrestris NRRL 8126,Torulaspora delbrueckii CBS 1146,Yarrowia lipolytica CLIB122,Zygosaccharomyces rouxii CBS 732,Gibberella zeae PH-1 |
| Basidiomycetes | Cryptococcus gattii WM276,Cryptococcus neoformans var JEC21 |
| Eudicots | Arabidopsis thaliana,Populus trichocarpa |
| Monocots | Oryza sativa OLD |
| Nematodes | Caenorhabditis elegans |
| Arthropods | Anopheles gambiae,Culex nigripalpus NPV,Drosophila melanogaster,Drosophila pseudoobscura,Megachile rotundata,Metaseiulus occidentalis,Tribolleum castaneum |
| Chordates | Branchiostoma floridae,Taeniopygia guttata,Takifugu rubripes,Ceratotherium simum simum,Xiphophorus maculatus,Geospiza fortis,Maylandia zebra,Pseudopodoces humilis,Pundamilia nyererei,Zonotrichia albicollis |

\*The species Thermobaculum terrenum ATCC BAA 798 is annotated as an unclassified Bacterium in the NCBI taxonomy database (at 5/18/2015). However, we considered it to be a member of the Chloroflexi phylum, following Kunisawa (**10.1099/ijs.0.026088-0**).