

Table S2. List of complete genomes.

Taxa	Abbreviation
<i>Acaryochloris marina</i> MBIC11017	Removed: Pathogen
<i>Acetobacter pasteurianus</i> IFO 3283-01	BPrAl_Apas
<i>Acetobacterium woodii</i> DSM 1030	BFiCl_Awoo
<i>Acetohalobium arabaticum</i> DSM 5501	BFiCl_Aara
Acholeplasma laidlawii PG-8A	Removed
<i>Achromobacter xylosoxidans</i> A8	BPrBe_Axyl
<i>Acidaminococcus fermentans</i> DSM 20731	BFiNe_Afer
<i>Acidaminococcus intestini</i> RyC-MR95	BFiNe_Aint
<i>Acidianus hospitalis</i> W1	ACrTh_Ahos
<i>Acidilobus saccharovorans</i> 345-15	ACrTh_Asac
<i>Acidimicrobium ferrooxidans</i> DSM 10331	BACAc_Afer
<i>Acidiphilium cryptum</i> JF-5	Removed: Pathogen
<i>Acidiphilium multivorum</i> AIU301	BPrAl_Amul
<i>Acidithiobacillus caldus</i> SM-1	BPrGa_Acal
<i>Acidithiobacillus ferrivorans</i> SS3	BPrGa_Afer
<i>Acidithiobacillus ferrooxidans</i> ATCC 53993	BPrGa_Afeo
<i>Acidobacterium capsulatum</i> ATCC 51196	BFiAc_Acap
<i>Acidothermus cellulolyticus</i> 11B	Removed: Pathogen
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	Removed: Pathogen
<i>Acidovorax citrulli</i> AAC00-1	Removed: Pathogen
<i>Acidovorax ebreus</i> TPSY	BPrBe_Aebr
<i>Acidovorax</i> sp. JS42	Removed: Pathogen
<i>Aciduliprofundum boonei</i> T469	AEuun_Aboo
<i>Acinetobacter baumannii</i> ATCC 17978	Removed: Pathogen
<i>Acinetobacter calcoaceticus</i> PHEA-2	Removed: Pathogen
<i>Acinetobacter oleivorans</i> DR1	Removed: Pathogen
<i>Acinetobacter</i> sp. ADP1	Removed: Pathogen
<i>Acremonium alcalophilum</i>	EFuDi_Aalc
<i>Acromyrmex echinator</i>	EOPMe_Aech
<i>Acropora digitifera</i>	EMeCn_Adig
<i>Actinobacillus pleuropneumoniae</i> serovar 5b str. L20	Removed: Pathogen
<i>Actinobacillus succinogenes</i> 130Z	BPrGa_Asuc
<i>Actinomyces</i> sp.	BACAc_Acti
<i>Actinoplanes missouriensis</i> 431	BACAc_Amis
<i>Actinoplanes</i> sp. SE50/110	BACAc_Actp
<i>Actinosynnema mirum</i> DSM 43827	BACAc_Amir
<i>Acyrtosiphon pisum</i>	EMeAr_Apis
Advenella kashmirensis WT001	Removed
<i>Aedes aegypti</i>	Removed: Pathogen
<i>Aequorivita sublithicola</i> DSM 14238	BBaBa_Asub
<i>Aerococcus urinae</i> ACS-120-V-Col10a	BFiBa_Auri
<i>Aeromonas hydrophila</i> subsp. <i>hydrophila</i> ATCC 7966	Removed: Pathogen
<i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> A449	Removed: Pathogen
<i>Aeromonas veronii</i> B565	BPrGa_Aver
<i>Aeropyrum pernix</i> K1	ACrTh_Aper
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Taxa	Abbreviation
<i>Agaricus bisporus</i> var. <i>bisporus</i>	EFuDi_Abis
<i>Aggregatibacter actinomycetemcomitans</i> D7S-1	Removed: Pathogen
<i>Aggregatibacter aphrophilus</i> NJ8700	Removed: Pathogen
<i>Agrobacterium fabrum</i> str. C58	Removed: Pathogen
<i>Agrobacterium radiobacter</i> K84	Removed: Pathogen
<i>Agrobacterium</i> sp. H13-3	BPrAl_Agro
<i>Agrobacterium vitis</i> S4	Removed: Pathogen
<i>Ailuropoda melanoleuca</i>	EOPMe_Amel
<i>Ajellomyces capsulatus</i> NAm1	Removed: Pathogen
<i>Ajellomyces dermatitidis</i> SLH14081	EFuDi_Ader
<i>Akkermansia muciniphila</i> ATCC BAA-835	BChVe_Amuc
<i>Alcanivorax borkumensis</i> SK2	Removed: Pathogen
<i>Alicyclophilus denitrificans</i> K601	BPrBe_Aden
<i>Alicyclobacillus acidocaldarius</i> subsp. <i>acidocaldarius</i> DSM 446	BFiBa_Aaci
<i>Aliivibrio salmonicida</i> LFI1238	Removed: Pathogen
<i>Alistipes finegoldii</i> DSM 17242	BBaBa_Afin
<i>Alkalilimnicola ehrlichii</i> MLHE-1	Removed: Pathogen
<i>Alkaliphilus metalliredigens</i> QYMF	Removed: Pathogen
<i>Alkaliphilus oremlandii</i> OhILAs	Removed: Pathogen
<i>Allochromatium vinosum</i> DSM 180	BPrGa_Avin
<i>Allomyces macrogynus</i> ATCC 38327	EFuBl_Amac
<i>Alternaria brassicicola</i>	EFuDi_Abra
<i>Alteromonas macleodii</i> str. Deep ecotype	BPrGa_Amac
<i>Alteromonas</i> sp. SN2	BPrGa_Alte
<i>Aminobacterium colombiense</i> DSM 12261	BSySy_Acol
<i>Ammonifex degensii</i> KC4	BFiCl_Adeg
<i>Amphimedon queenslandica</i>	EMePo_Aque
<i>Amycolatopsis mediterranei</i> U32	BAcAc_Amed
<i>Amycolicococcus subflavus</i> DQS3-9A1	BAcAc_Asub
<i>Anabaena variabilis</i> ATCC 29413	BCyNo_Avar
<i>Anaerobaculum mobile</i> DSM 13181	BSySy_Amob
<i>Anaerococcus prevotii</i> DSM 20548	BFiCl_Apre
<i>Anaerolinea thermophila</i> UNI-1	BChAn_Athe
Anaeromyxobacter dehalogenans 2CP-1	Removed
<i>Anaeromyxobacter</i> sp. Fw109-5	Removed: Pathogen
<i>Anaplasma centrale</i> str. Israel	Removed: Pathogen
Anaplasma marginale str. Florida	Removed
<i>Anaplasma phagocytophilum</i> HZ	Removed: Pathogen
<i>Anolis carolinensis</i>	EOPMe_Acar
<i>Anopheles gambiae</i>	EMeAr_Agam
<i>Anoxybacillus flavithermus</i> WK1	BFiBa_Afla
<i>Apis mellifera</i>	EMeAr_Amel
<i>Aquifex aeolicus</i> VF5	BAqAq_Aao
<i>Aquilegia coerulea</i>	EViSt_Acoe
<i>Arabidopsis lyrata</i>	EViSt_Alyr
<i>Arabidopsis thaliana</i>	EViSt_Atha

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Taxa	Abbreviation
Arcanobacterium haemolyticum DSM 20595	BACAc_Ahae
<i>Archaeoglobus fulgidus</i> DSM 4304	Removed: Pathogen
Archaeoglobus profundus DSM 5631	AEuAr_Apro
Archaeoglobus veneficus SNP6	AEuAr_Aven
<i>Arcobacter butzleri</i> RM4018	Removed: Pathogen
<i>Arcobacter nitrofigilis</i> DSM 7299	BPrde_Anit
<i>Arcobacter</i> sp. L	BPrde_Arco
Aromatoleum aromaticum EbN1	BPrBe_Aaro
Arthrobacter arilaitensis Re117	BACAc_Aari
<i>Arthrobacter aurescens</i> TC1	Removed: Pathogen
Arthrobacter chlorophenolicus A6	BACAc_Achl
Arthrobacter phenanthrenivorans Sphe3	BACAc_Aphe
<i>Arthrobacter</i> sp. FB24	Removed: Pathogen
Arthroderma benhamiae CBS 112371	EFuDi_Aben
Arthroderma otae CBS 113480	EFuDi_Mcan
Ashbya gossypii ATCC 10895	EFuAs_Agos
Aspergillus carbonarius ITEM 5010	EFuDi_Acar
<i>Aspergillus clavatus</i> NRRL 1	Removed: Pathogen
<i>Aspergillus flavus</i> NRRL3357	Removed: Pathogen
<i>Aspergillus fumigatus</i> Af293	Removed: Pathogen
<i>Aspergillus nidulans</i> FGSC A4	Removed: Pathogen
Aspergillus niger ATCC 1015	EFuDi_Anig
Aspergillus oryzae RIB40	EFuDi_Aory
Aspergillus terreus NIH2624	EFuDi_Ater
<i>Aster yellows witches-broom phytoplasma</i> AYWB	Removed: Pathogen
Asticcacaulis excentricus CB 48	BPrAl_Aexc
Atopobium parvulum DSM 20469	BACAc_Apar
Atta cephalotes	EMeAr_Acep
Aureococcus anophagefferens	EstPe_Aano
<i>Azoarcus</i> sp. BH72	Removed: Pathogen
Azorhizobium caulinodans ORS 571	BPrAl_Acau
Azospirillum brasilense Sp245	BPrAl_Abra
Azospirillum lipoferum 4B	BPrAl_Alip
Azospirillum sp. B510	BPrAl_Azos
Azotobacter vinelandii DJ	BPrGa_Avie
Babesia bovis T2Bo	Removed
Bacillus amyloliquefaciens FZB42	BFiBa_Bamy
<i>Bacillus anthracis</i> str. A0248	Removed: Pathogen
Bacillus atrophaeus 1942	BFiBa_Batr
Bacillus cellulosilyticus DSM 2522	BFiBa_Bcel
<i>Bacillus cereus</i> 03BB102	Removed: Pathogen
Bacillus clausii KSM-K16	BFiBa_Bcla
Bacillus coagulans 2-6	BFiBa_Bcoa
Bacillus halodurans C-125	BFiBa_Bhal
<i>Bacillus licheniformis</i> DSM 13 = ATCC 14580	Removed: Pathogen
Bacillus megaterium DSM 319	BFiBa_Bmeg

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Taxa	Abbreviation
<i>Bacillus pseudofirmus</i> OF4	BFiBa_Bpse
<i>Bacillus pumilus</i> SAFR-032	Removed: Pathogen
<i>Bacillus selenitireducens</i> MLS10	BFiBa_Bsel
<i>Bacillus</i> sp. JS	BFiBa_Baci
<i>Bacillus subtilis</i> subsp. <i>subtilis</i> str. 168	BFiBa_Bsub
<i>Bacillus thuringiensis</i> str. <i>Al Hakam</i>	Removed: Pathogen
<i>Bacillus weihenstephanensis</i> KBAB4	Removed: Pathogen
<i>Bacteriovorax marinus</i> SJ	BPrde_Bmar
<i>Bacteroides fragilis</i> YCH46	Removed: Pathogen
<i>Bacteroides helcogenes</i> P 36-108	BBaBa_Bhel
<i>Bacteroides salanitronis</i> DSM 18170	BBaBa_Bsal
<i>Bacteroides thetaiotaomicron</i> VPI-5482	Removed: Pathogen
<i>Bacteroides vulgatus</i> ATCC 8482	Removed: Pathogen
<i>Bartonella bacilliformis</i> KC583	Removed: Pathogen
<i>Bartonella clarridgeiae</i> 73	Removed: Pathogen
<i>Bartonella grahamii</i> as4aup	Removed: Pathogen
<i>Bartonella henselae</i> str. <i>Houston-1</i>	Removed: Pathogen
<i>Bartonella quintana</i> str. <i>Toulouse</i>	Removed: Pathogen
<i>Bartonella tribocorum</i> CIP 105476	Removed: Pathogen
<i>Bathycoccus</i>	EViCh_Bath
<i>Baumannia cicadellinicola</i> str. <i>Hc</i> (<i>Homalodisca coagulata</i>)	Removed: Pathogen
<i>Bdellovibrio bacteriovorus</i> HD100	BPrde_Bbac
<i>Beijerinckia indica</i> subsp. <i>indica</i> ATCC 9039	BPrAl_Bind
<i>Belliella baltica</i> DSM 15883	BBaBa_Bbal
<i>Beutenbergia cavernae</i> DSM 12333	BACAc_Bcav
<i>Bifidobacterium adolescentis</i> ATCC 15703	Removed: Pathogen
<i>Bifidobacterium animalis</i> subsp. <i>lactis</i> Bl-04	Removed: Pathogen
<i>Bifidobacterium bifidum</i> S17	BACAc_Bbif
<i>Bifidobacterium breve</i> ACS-071-V-Sch8b	BACAc_Bbre
<i>Bifidobacterium dentium</i> Bd1	Removed: Pathogen
<i>Bifidobacterium longum</i> subsp. <i>longum</i> JDM301	BACAc_Blon
<i>Blastococcus saxosidens</i> DD2	BACAc_Bsax
Blattabacterium sp. (<i>Blattella germanica</i>) str. Bge	Removed
<i>Bombyx mori</i>	EMeAr_Bmor
<i>Bordetella avium</i> 197N	Removed: Pathogen
<i>Bordetella bronchiseptica</i> RB50	Removed: Pathogen
<i>Bordetella parapertussis</i> 12822	Removed: Pathogen
<i>Bordetella pertussis</i> Tohama I	Removed: Pathogen
<i>Bordetella petrii</i> DSM 12804	Removed: Pathogen
<i>Borrelia afzelii</i> PKo	Removed: Pathogen
<i>Borrelia bissettii</i> DN127	Removed: Pathogen
<i>Borrelia burgdorferi</i> B31	Removed: Pathogen
<i>Borrelia crocidurae</i> str. Achema	Removed
<i>Borrelia duttonii</i> Ly	Removed: Pathogen
<i>Borrelia garinii</i> PBi	Removed: Pathogen
<i>Borrelia hermsii</i> DAH	Removed: Pathogen

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Taxa	Abbreviation
<i>Borrelia recurrentis</i> A1	Removed: Pathogen
<i>Borrelia turicatae</i> 91E135	Removed: Pathogen
<i>Bos taurus</i>	EOPMe_Btau
<i>Botryotinia fuckeliana</i> B05.10	Removed: Pathogen
<i>Brachybacterium faecium</i> DSM 4810	BACAc_Bfae
<i>Brachypodium distachyon</i>	EViSt_Bdis
<i>Brachyspira hyodysenteriae</i> WA1	Removed: Pathogen
<i>Brachyspira intermedia</i> PWS/A	BSPSp_Bint
<i>Brachyspira murdochii</i> DSM 12563	BSPSp_Bmur
<i>Brachyspira pilosicoli</i> 95/1000	BSPSp_Bpil
<i>Bradyrhizobium japonicum</i> USDA 110	BPrAl_Bjap
<i>Bradyrhizobium</i> sp. ORS 278	Removed: Pathogen
<i>Branchiostoma floridae</i>	EMeCh_Bflo
<i>Brevibacillus brevis</i> NBRC 100599	BFiBa_Bbre
<i>Brevundimonas subvibrioides</i> ATCC 15264	BPrAl_Bsub
<i>Brucella abortus</i> S19	Removed: Pathogen
<i>Brucella canis</i> ATCC 23365	Removed: Pathogen
<i>Brucella melitensis</i> ATCC 23457	Removed: Pathogen
<i>Brucella microti</i> CCM 4915	Removed: Pathogen
<i>Brucella ovis</i> ATCC 25840	Removed: Pathogen
<i>Brucella pinnipedialis</i> B2/94	Removed: Pathogen
<i>Brucella suis</i> ATCC 23445	Removed: Pathogen
<i>Brugia malayi</i>	EMeNe_Bmal
<i>Buchnera aphidicola</i> BCc	Removed: Pathogen
<i>Burkholderia ambifaria</i> AMMD	BPrBe_Bamb
<i>Burkholderia cenocepacia</i> HI2424	Removed: Pathogen
<i>Burkholderia gladioli</i> BSR3	BPrBe_Bgla
<i>Burkholderia glumae</i> BGR1	Removed: Pathogen
<i>Burkholderia mallei</i> SAVP1	Removed: Pathogen
<i>Burkholderia multivorans</i> ATCC 17616	BPrBe_Bmul
<i>Burkholderia phymatum</i> STM815	BPrBe_Bphy
<i>Burkholderia phytofirmans</i> PsJN	BPrBe_Bpht
<i>Burkholderia pseudomallei</i> 1106a	Removed: Pathogen
<i>Burkholderia rhizoxinica</i> HKI 454	BPrBe_Brhi
<i>Burkholderia</i> sp. CCGE1002	BPrBe_Burk
<i>Burkholderia thailandensis</i> E264	Removed: Pathogen
<i>Burkholderia vietnamiensis</i> G4	Removed: Pathogen
<i>Burkholderia xenovorans</i> LB400	Removed: Pathogen
<i>Butyrivibrio proteoclasticus</i> B316	BFiCl_Bpro
<i>Caenorhabditis brenneri</i>	EMeNe_Cbre
<i>Caenorhabditis briggsae</i>	EMeNe_Cbri
<i>Caenorhabditis elegans</i>	EOPMe_Cele
<i>Caenorhabditis japonica</i>	EMeNe_Cjap
<i>Caenorhabditis remanei</i>	EMeNe_Crem
<i>Caldicellulosiruptor bescii</i> DSM 6725	BFiCl_Cbes
<i>Caldicellulosiruptor hydrothermalis</i> 108	BFiCl_Chyd
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Taxa	Abbreviation
<i>Caldicellulosiruptor kristjanssonii</i> 177R1B	BFiCl_Ckri
<i>Caldicellulosiruptor kronotskyensis</i> 2002	BFiCl_Ckro
<i>Caldicellulosiruptor lactoaceticus</i> 6A	BFiCl_Clac
<i>Caldicellulosiruptor obsidiansis</i> OB47	BFiCl_Cobs
<i>Caldicellulosiruptor owensensis</i> OL	BFiCl_Cowe
<i>Caldicellulosiruptor saccharolyticus</i> DSM 8903	Removed: Pathogen
<i>Caldilinea aerophila</i> DSM 14535 = NBRC 104270	BChCa_Caer
Caldisericum exile AZM16c01	Removed
<i>Calditerrivibrio nitroreducens</i> DSM 19672	BDeDe_Cnit
<i>Caldivirga maquilingensis</i> IC-167	ACrTh_Cmaq
<i>Callithrix jacchus</i>	EOpMe_Cjac
<i>Camponotus floridanus</i>	EMeAr_Cflo
<i>Campylobacter concisus</i> 13826	Removed: Pathogen
<i>Campylobacter curvus</i> 525.92	Removed: Pathogen
<i>Campylobacter fetus</i> subsp. <i>fetus</i> 82-40	Removed: Pathogen
<i>Campylobacter hominis</i> ATCC BAA-381	Removed: Pathogen
<i>Campylobacter jejuni</i> subsp. <i>doylei</i> 269.97	Removed: Pathogen
<i>Campylobacter lari</i> RM2100	Removed: Pathogen
<i>Candida albicans</i> SC5314	Removed: Pathogen
<i>Candida dubliniensis</i> CD36	EFuDi_Cdub
<i>Candida glabrata</i> CBS 138	Removed: Pathogen
<i>Candida parapsilosis</i>	EFuDi_Cpar
<i>Candida tropicalis</i> MYA-3404	Removed: Pathogen
<i>Candidatus Accumulibacter phosphatis</i> clade IIA str. <i>UW-1</i>	Removed: Candidatus
<i>Candidatus Amoebophilus asiaticus</i> 5a2	Removed: Candidatus
<i>Candidatus Arthromitus</i> sp. <i>SFB-mouse-Japan</i>	Removed: Candidatus
<i>Candidatus Azobacteroides pseudotrichonymphae</i> genomovar. <i>CFP2</i>	Removed: Candidatus
<i>Candidatus Blochmannia floridanus</i>	Removed: Candidatus
<i>Candidatus Carsonella ruddii</i> PV	Removed: Candidatus
<i>Candidatus Chloracidobacterium thermophilum</i> B	Removed: Candidatus
<i>Candidatus Cloacamonas acidaminovorans</i>	Removed: Candidatus
<i>Candidatus Desulforudis audaxviator</i> MP104C	Removed: Candidatus
<i>Candidatus Hamiltonella defensa</i> 5AT (<i>Acyrtosiphon pisum</i>)	Removed: Candidatus
<i>Candidatus Hodgkinia cicadicola</i> Dsem	Removed: Candidatus
<i>Candidatus Korarchaeum cryptofilum</i> OPF8	Removed: Candidatus
<i>Candidatus Koribacter versatilis</i> Ellin345	Removed: Candidatus
<i>Candidatus Liberibacter asiaticus</i> str. <i>psy62</i>	Removed: Candidatus
<i>Candidatus Methyloirabilis oxyfera</i>	Removed: Candidatus
<i>Candidatus Midichloria mitochondrii</i> IricVA	Removed: Candidatus
<i>Candidatus Moranella endobia</i> PCIT	Removed: Candidatus
<i>Candidatus Nitrospira defluvi</i>	Removed: Candidatus
<i>Candidatus Pelagibacter</i> sp. <i>IMCC9063</i>	Removed: Candidatus
<i>Candidatus Phytoplasma mali</i>	Removed: Candidatus
<i>Candidatus Protochlamydia amoebophila</i> UWE25	Removed: Candidatus
<i>Candidatus Puniceispirillum marinum</i> IMCC1322	Removed: Candidatus
<i>Candidatus Rickettsia amblyommii</i> str. <i>GAT-30V</i>	Removed: Candidatus
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Taxa	Abbreviation
<i>Candidatus Riesia pediculicola</i> USDA	Removed: Candidatus
<i>Candidatus Ruthia magnifica</i> str. Cm (<i>Calypotgena magnifica</i>)	Removed: Candidatus
<i>Candidatus Solibacter usitatus</i> Ellin6076	Removed: Candidatus
<i>Candidatus Sulcia muelleri</i> DMIN	Removed: Candidatus
<i>Candidatus Sulcia muelleri</i> SMDSEM	Removed: Candidatus
<i>Candidatus Tremblaya princeps</i> PCIT	Removed: Candidatus
<i>Candidatus Vesicomysocius okutanii</i> HA	Removed: Candidatus
<i>Candidatus Zinderia insecticola</i> CARI	Removed: Candidatus
<i>Canis lupus familiaris</i>	EOPMe_Cfam
<i>Capitella teleta</i>	EMeAn_Capi
<i>Capnocytophaga canimorsus</i> Cc5	Removed: Pathogen
<i>Capnocytophaga ochracea</i> DSM 7271	Removed: Pathogen
<i>Capsaspora owczarzaki</i>	EICa_Cowc
<i>Carboxydotherrmus hydrogenoformans</i> Z-2901	BFIcL_Chyg
<i>Carica papaya</i>	EViSt_Cpap
<i>Carnobacterium</i> sp. 17-4	BFIbA_Carn
<i>Catenulispora acidiphila</i> DSM 44928	BACAc_Caci
<i>Caulobacter crescentus</i> NA1000	BPrAl_Ccre
<i>Caulobacter segnis</i> ATCC 21756	BPrAl_Cseg
<i>Caulobacter</i> sp. K31	BPrAl_Caul
<i>Cavia porcellus</i>	EOPMe_Cpor
<i>Cellulomonas fimi</i> ATCC 484	BACAc_Cfim
<i>Cellulomonas flavigena</i> DSM 20109	BACAc_Cfla
<i>Cellulophaga algicola</i> DSM 14237	BBaBa_Calg
<i>Cellulophaga lytica</i> DSM 7489	BBaBa_Clyt
<i>Cellvibrio japonicus</i> Ueda107	BPrGa_Cjap
<i>Cenarchaeum symbiosum</i> A	AThCe_Csym
<i>Chaetomium globosum</i> CBS 148.51	EFuDi_Cglo
<i>Chelativorans</i> sp. BNC1	Removed: Pathogen
<i>Chitinophaga pinensis</i> DSM 2588	BBaBa_Cpin
<i>Chlamydia muridarum</i> Nigg	Removed: Pathogen
<i>Chlamydia trachomatis</i> B/Jali20/OT	Removed: Pathogen
<i>Chlamydomonas reinhardtii</i>	EViCh_Crei
<i>Chlamydophila abortus</i> S26/3	Removed: Pathogen
<i>Chlamydophila caviae</i> GPIC	Removed: Pathogen
<i>Chlamydophila felis</i> Fe/C-56	Removed: Pathogen
<i>Chlamydophila pecorum</i> E58	Removed: Pathogen
<i>Chlamydophila pneumoniae</i> TW-183	Removed: Pathogen
<i>Chlamydophila psittaci</i> 01DC11	Removed: Pathogen
<i>Chlorella variabilis</i>	EViCh_Chlo
<i>Chlorella vulgaris</i>	EViCh_Cvul
<i>Chlorobaculum parvum</i> NCIB 8327	BBaCh_Cpar
<i>Chlorobium chlorochromatii</i> CaD3	BBaCh_Cchl
<i>Chlorobium limicola</i> DSM 245	BBaCh_Clim
<i>Chlorobium luteolum</i> DSM 273	BBaCh_Clut
<i>Chlorobium phaeobacteroides</i> DSM 266	Removed: Pathogen
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Taxa	Abbreviation
Chlorobium phaeovibrioides DSM 265	BBaCh_Cpha
Chlorobium tepidum TLS	BBaCh_Ctep
Chloroflexus aggregans DSM 9485	BChCh_Cagg
Chloroflexus aurantiacus J-10-fl	BChCh_Caur
Chloroflexus sp. Y-400-fl	BChCh_Chlo
Chloroherpeton thalassium ATCC 35110	BBaCh_Ctha
Choloepus hoffmanni	EOPMe_Chof
<i>Chromobacterium violaceum</i> ATCC 12472	Removed: Pathogen
<i>Chromohalobacter salexigens</i> DSM 3043	Removed: Pathogen
Ciona intestinalis	EOPMe_Cint
Ciona savignyi	EOPMe_Csav
<i>Citrobacter koseri</i> ATCC BAA-895	Removed: Pathogen
<i>Citrobacter rodentium</i> ICC168	Removed: Pathogen
Citrus clementina	EViSt_Cele
Citrus sinensis	EViSt_Csin
<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> NCPPB 382	Removed: Pathogen
<i>Clavispora lusitaniae</i> ATCC 42720	Removed: Pathogen
Clostridiales genomsp. BVAB3 str. UPII9-5	BFiCl_Cgen
Clostridium acetobutylicum ATCC 824	BFiCl_Cace
<i>Clostridium beijerinckii</i> NCIMB 8052	Removed: Pathogen
<i>Clostridium botulinum</i> A str. ATCC 3502	Removed: Pathogen
Clostridium cellulolyticum H10	BFiCl_Ccel
Clostridium cellulovorans 743B	BFiCl_Ccev
Clostridium clariflavum DSM 19732	BFiCl_Ccla
<i>Clostridium difficile</i> 630	Removed: Pathogen
<i>Clostridium kluyveri</i> DSM 555	Removed: Pathogen
Clostridium lentocellum DSM 5427	BFiCl_Clen
Clostridium ljungdahlii DSM 13528	BFiCl_Clju
<i>Clostridium novyi</i> NT	Removed: Pathogen
<i>Clostridium perfringens</i> ATCC 13124	Removed: Pathogen
Clostridium phytofermentans ISDg	BFiCl_Cphy
Clostridium saccharolyticum WM1	BFiCl_Csac
Clostridium sp. BNL1100	BFiCl_Clos
Clostridium sticklandii DSM 519	BFiCl_Csti
<i>Clostridium tetani</i> E88	Removed: Pathogen
<i>Clostridium thermocellum</i> ATCC 27405	Removed: Pathogen
<i>Coccidioides immitis</i> RS	Removed: Pathogen
<i>Coccidioides posadasii</i> RMSCC 3488	Removed: Pathogen
Coccomyxa subellipsoidea C-169	EViCh_Cocc
Cochliobolus heterostrophus	EFuDi_Chet
Collimonas fungivorans Ter331	BPrBe_Cfun
Colwellia psychrerythraea 34H	BPrGa_Cpsy
Comamonas testosteroni CNB-2	BPrBe_Ctes
Conexibacter woesei DSM 14684	BAcAc_Cwoe
Coniophora puteana	EFuDi_Cput
<i>Coprinopsis cinerea</i> okayama7#130	Removed: Pathogen
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Taxa	Abbreviation
Coprothermobacter proteolyticus DSM 5265	BFiCl_Cpro
Coralimargarita akajimensis DSM 45221	BChVe_Caka
Coralococcus coralloides DSM 2259	BPrde_Ccor
Coriobacterium glomerans PW2	BACAc_Cglo
Corynebacterium aurimucosum ATCC 700975	BACAc_Caur
<i>Corynebacterium diphtheriae</i> NCTC 13129	Removed: Pathogen
Corynebacterium efficiens YS-314	BACAc_Ceff
Corynebacterium glutamicum R	BACAc_Cglu
<i>Corynebacterium jeikeium</i> K411	Removed: Pathogen
Corynebacterium kroppenstedtii DSM 44385	BACAc_Ckro
Corynebacterium pseudotuberculosis 316	BACAc_Cpse
Corynebacterium resistens DSM 45100	BACAc_Cres
Corynebacterium ulcerans 0102	BACAc_Culc
<i>Corynebacterium urealyticum</i> DSM 7109	Removed: Pathogen
Corynebacterium variabile DSM 44702	BACAc_Cvar
<i>Coxiella burnetii</i> Dugway 5J108-111	Removed: Pathogen
Croceibacter atlanticus HTCC2559	BBaBa_Catl
Cronobacter sakazakii ES15	BPrGa_Csak
Cronobacter turicensis z3032	BPrGa_Ctur
Cryphonectria parasitica	EFuDi_Cpas
Cryptobacterium curtum DSM 15641	BACAc_Ccur
Cryptosporidium hominis	Removed
Cryptosporidium muris	Removed
<i>Cryptosporidium parvum</i> Iowa II	Removed: Pathogen
Cucumis sativus	EViSt_Csat
Culex quinquefasciatus	EMeAr_Cpip
Cupriavidus metallidurans CH34	BPrBe_Cmet
Cupriavidus necator N-1	BPrBe_Cnec
Cupriavidus taiwanensis LMG 19424	BPrBe_Ctai
Cyanidioschyzon merolae	ERhBa_Cmer
Cyanothece sp. PCC 8802	BCyCh_Cyan
Cyclobacterium marinum DSM 745	BBaBa_Cmar
<i>Cytophaga hutchinsonii</i> ATCC 33406	Removed: Pathogen
Danaus plexippus	EOPMe_Dple
Danio rerio	EOPMe_Drer
Daphnia pulex	EMeAr_Dpul
Dasypus novemcinctus	EOPMe_Dnov
<i>Debaryomyces hansenii</i> CBS767	Removed: Pathogen
Dechloromonas aromatica RCB	BPrBe_Daro
Dechlorosoma suillum PS	BPrBe_Dsui
Deferribacter desulfuricans SSM1	BDeDe_Ddes
Dehalococcoides ethenogenes 195	BChDe_Deth
Dehalococcoides sp. BAV1	BChDe_Deha
Dehalogenimonas lykanthroporepellens BL-DC-9	BChDe_Dlyk
Deinococcus deserti VCD115	BDeDe_Ddee
Deinococcus geothermalis DSM 11300	BDeDe_Dgeo

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Taxa	Abbreviation
Deinococcus gobiensis I-0	BDeDe_Dgob
Deinococcus maricopenis DSM 21211	BDeDe_Dmar
Deinococcus proteolyticus MRP	BDeDe_Dpro
Deinococcus radiodurans R1	BDeDe_Drad
Delftia acidovorans SPH-1	BPrBe_Daci
Delftia sp. Cs1-4	BPrBe_Delf
Denitrovibrio acetiphilus DSM 12809	BDeDe_Dace
Desulfarculus baarsii DSM 2075	BPrde_Dbaa
Desulfatibacillum alkenivorans AK-01	BPrde_Dalk
Desulfitobacterium dehalogenans ATCC 51507	BFiCl_Ddeh
Desulfitobacterium hafniense Y51	BFiCl_Dhaf
Desulfobacca acetoxidans DSM 11109	BPrde_Dace
Desulfobacterium autotrophicum HRM2	BPrde_Daut
Desulfobulbus propionicus DSM 2032	BPrde_Dpro
Desulfococcus oleovorans Hxd3	BPrde_Dole
Desulfohalobium retbaense DSM 5692	BPrde_Dret
Desulfomicrobium baculatum DSM 4028	BPrde_Dbac
Desulfomonile tiedjei DSM 6799	BPrde_Dtie
Desulfosporosinus acidiphilus SJ4	BFiCl_Daci
Desulfosporosinus orientis DSM 765	BFiCl_Dori
Desulfotalea psychrophila LSv54	BPrde_Dpsy
Desulfotomaculum acetoxidans DSM 771	BFiCl_Dace
Desulfotomaculum carboxydivorans CO-1-SRB	BFiCl_Dcar
Desulfotomaculum kuznetsovii DSM 6115	BFiCl_Dkuz
<i>Desulfotomaculum reducens</i> MI-1	Removed: Pathogen
Desulfotomaculum ruminis DSM 2154	BFiCl_Drum
Desulfovibrio aespoeensis Aspo-2	BPrde_Daes
Desulfovibrio africanus str. Walvis Bay	BPrde_Dafr
Desulfovibrio alaskensis G20	BPrde_Dala
Desulfovibrio desulfuricans subsp. desulfuricans str. ATCC 27774	BPrde_Ddes
Desulfovibrio magneticus RS-1	BPrde_Dmag
Desulfovibrio salexigens DSM 2638	BPrde_Dsal
<i>Desulfovibrio vulgaris</i> DP4	Removed: Pathogen
Desulfurispirillum indicum S5	BChCh_Dind
Desulfurivibrio alkaliphilus AHT2	BPrde_Dall
Desulfurobacterium thermolithotrophum DSM 11699	BAqAq_Dthe
Desulfurococcus fermentans DSM 16532	ACrTh_Dfer
Desulfurococcus kamchatkensis 1221n	ACrTh_Dkam
Desulfurococcus mucosus DSM 2162	ACrTh_Dmuc
<i>Dichelobacter nodosus</i> VCS1703A	Removed: Pathogen
Dichomitus squalens	EFuDi_Dsqu
Dickeya dadantii Ech703	BPrGa_Ddad
Dickeya zeae Ech1591	BPrGa_Dzea
Dictyoglomus thermophilum H-6-12	BDiDi_Dthe
Dictyoglomus turgidum DSM 6724	BDiDi_Dtur
Dictyostelium discoideum	EMyDi_Ddis

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Taxa	Abbreviation
Dictyostelium purpureum	EMyDi_Dpur
Dinoroseobacter shibae DFL 12	BPrAl_Dshi
Dipodomys ordii	EOPMe_Dord
Dothistroma septosporum NZE10	EFuDi_Dsep
Drosophila ananassae	EMeAr_Dana
Drosophila erecta	EMeAr_Dere
Drosophila grimshawi	EMeAr_Dgri
Drosophila melanogaster	EOPMe_Dmel
Drosophila mojavensis	EMeAr_Dmoj
Drosophila persimilis	EMeAr_Dper
Drosophila pseudoobscura	EMeAr_Dpse
Drosophila sechellia	EMeAr_Dsec
Drosophila simulans	EMeAr_Dsim
Drosophila virilis	EMeAr_Dvir
Drosophila willistoni	EMeAr_Dwil
Drosophila yakuba	EMeAr_Dyak
Dyadobacter fermentans DSM 18053	BBaBa_Dfer
Echinops telfairi	EOPMe_Etel
Ectocarpus siliculosus	EstPX_Esil
<i>Edwardsiella ictaluri</i> 93-146	Removed: Pathogen
<i>Edwardsiella tarda</i> EIB202	Removed: Pathogen
<i>Eggerthella lenta</i> DSM 2243	Removed: Pathogen
Eggerthella sp. YY7918	BACAc_Egge
<i>Ehrlichia canis</i> str. Jake	Removed: Pathogen
<i>Ehrlichia chaffeensis</i> str. Arkansas	Removed: Pathogen
<i>Ehrlichia ruminantium</i> str. Gardel	Removed: Pathogen
Elusimicrobium minutum Pei191	BEIEl_Emin
Emiliana huxleyi	EHaIs_Ehux
Entamoeba dispar	Removed
Entamoeba histolytica	Removed
Entamoeba invadens	Removed
Enterobacter aerogenes KCTC 2190	BPrGa_Eaer
Enterobacter asburiae LF7a	BPrGa_Easb
Enterobacter cloacae subsp. dissolvens SDM	BPrGa_Eclo
Enterobacter sp. 638	BPrGa_Ente
<i>Enterococcus faecalis</i> 62	Removed: Pathogen
<i>Enterococcus faecium</i> Aus0004	Removed: Pathogen
Enterococcus hirae ATCC 9790	BFiBa_Ehir
Equus caballus	EOPMe_Ecab
Erinaceus europaeus	EOPMe_Eeur
<i>Erwinia amylovora</i> ATCC 49946	Removed: Pathogen
Erwinia billingiae Eb661	BPrGa_Ebil
<i>Erwinia pyrifoliae</i> Ep1/96	Removed: Pathogen
Erwinia sp. Ejp617	BPrGa_Erwi
Erwinia tasmaniensis Et1/99	BPrGa_Etas
Erysipelothrix rhusiopathiae str. Fujisawa	BFiEr_Erhu
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Taxa	Abbreviation
Erythrobacter litoralis HTCC2594	BPrAl_Elit
<i>Escherichia blattae</i> DSM 4481	Removed: Pathogen
Escherichia coli BL21-Gold(DE3)pLysS AG	BPrGa_Ecol
<i>Escherichia fergusonii</i> ATCC 35469	Removed: Pathogen
Ethanoligenens harbinense YUAN-3	BFiCl_Ehar
Eubacterium eligens ATCC 27750	BFiCl_Eeli
Eubacterium limosum KIST612	BFiCl_Elim
Eubacterium rectale ATCC 33656	BFiCl_Erec
Eucalyptus grandis	EViSt_Egra
Exiguobacterium sibiricum 255-15	BFiBa_Esib
Exiguobacterium sp. AT1b	BFiBa_Exig
Felis catus	EOpMe_Fcat
Ferrimonas balearica DSM 9799	BPrGa_Fbal
Ferroglobus placidus DSM 10642	AEuAr_Fpla
Fervidicoccus fontis Kam940	ACrTh_Ffon
Fervidobacterium nodosum Rt17-B1	BThTh_Fnod
Fervidobacterium pennivorans DSM 9078	BThTh_Fpen
Fibrobacter succinogenes subsp. succinogenes S85	BFiFi_Fsuc
Filifactor alocis ATCC 35896	BFiCl_Falo
<i>Finegoldia magna</i> ATCC 29328	Removed: Pathogen
Flavobacteriaceae bacterium 3519-10	BBaBa_Fbac
<i>Flavobacterium branchiophilum</i> FL-15	Removed: Pathogen
<i>Flavobacterium columnare</i> ATCC 49512	Removed: Pathogen
Flavobacterium indicum GPTSA100-9	BBaBa_Find
Flavobacterium johnsoniae UW101	BBaBa_Fjoh
<i>Flavobacterium psychrophilum</i> JIP02/86	Removed: Pathogen
Flexibacter litoralis DSM 6794	BBaBa_Flit
Flexistipes sinuarabici DSM 4947	BDeDe_Fsin
Fluviicola taffensis DSM 16823	BBaBa_Ftaf
Fomitiporia mediterranea MF3/22	EFuDi_Fmed
Fomitopsis pinicola FP-58527 SS1	EFuDi_Fpin
Fragaria vesca	EViSt_Fves
Fragilariopsis cylindrus	EstBa_Fcyl
<i>Francisella cf. novicida</i> 3523	Removed: Pathogen
Francisella noatunensis subsp. orientalis str. Toba 04	Removed
<i>Francisella novicida</i> U112	Removed: Pathogen
<i>Francisella philomiragia</i> subsp. <i>philomiragia</i> ATCC 25017	Removed: Pathogen
<i>Francisella</i> sp. TX077308	Removed: Pathogen
<i>Francisella tularensis</i> subsp. <i>tularensis</i> WY96-3418	Removed: Pathogen
<i>Frankia alni</i> ACN14a	Removed: Pathogen
<i>Frankia</i> sp. EAN1pec	Removed: Pathogen
<i>Frankia symbiont of Datisca glomerata</i>	Removed: Pathogen
Frateuria aurantia DSM 6220	BPrGa_Faur
<i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> 4287	Removed: Pathogen
<i>Fusobacterium nucleatum</i> subsp. <i>nucleatum</i> ATCC 25586	Removed: Pathogen
Gadus morhua	EOpMe_Gmor

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Taxa	Abbreviation
Gallibacterium anatis UMN179	BPrGa_Gana
Gallionella capsiferriformans ES-2	BPrBe_Gcap
Gallus gallus	EOPMe_Ggal
Gardnerella vaginalis 409-05	BACAc_Gvag
Gasterosteus aculeatus	EOPMe_Gacu
Gemmatimonas aurantiaca T-27	BGeGe_Gaur
Geobacillus kaustophilus HTA426	BFiBa_Gkau
Geobacillus sp. WCH70	BFiBa_Geob
Geobacillus thermodenitrificans NG80-2	BFiBa_Gthe
Geobacillus thermoglucosidasius C56-YS93	BFiBa_Gthg
Geobacillus thermoleovorans CCB_US3_UF5	BFiBa_Gthl
Geobacter bemidjensis Bem	BPrde_Gbem
Geobacter daltonii FRC-32	BPrde_Gdal
Geobacter lovleyi SZ	BPrde_Glov
Geobacter metallireducens GS-15	BPrde_Gmet
Geobacter sp. M21	BPrde_Geob
Geobacter sulfurreducens KN400	BPrde_Gsul
Geobacter uraniireducens Rf4	BPrde_Gura
Geodermatophilus obscurus DSM 43160	BACAc_Gobs
Giardia lamblia ATCC 50803	Removed
<i>Gibberella moniliformis</i> 7600	Removed: Pathogen
<i>Gibberella zeae</i> PH-1	Removed: Pathogen
Glaciecola nitratreducens FR1064	BPrGa_Gnit
Glaciecola sp. 4H-3-7+YE-5	BPrGa_Glac
Gloeobacter violaceus PCC 7421	BCyGl_Gvio
Gloeophyllum trabeum ATCC 11539	EFuDi_Gtra
Gluconacetobacter diazotrophicus PA1 5	BPrAl_Gdia
Gluconacetobacter xylinus NBRC 3288	BPrAl_Gxyl
Gluconobacter oxydans 621H	BPrAl_Goxy
Glycine max	EViSt_Gmax
<i>Gordonia bronchialis</i> DSM 43247	Removed: Pathogen
Gordonia polyisoprenivorans VH2	BACAc_Gpol
Gorilla gorilla	EOPMe_Ggor
Gramella forsetii KT0803	BBaBa_Gfor
<i>Granulibacter bethesdensis</i> CGDNIH1	Removed: Pathogen
Granulicella mallensis MP5ACTX8	BFiAc_Gmal
Granulicella tundricola MP5ACTX9	BFiAc_Gtun
<i>Haemophilus ducreyi</i> 35000HP	Removed: Pathogen
<i>Haemophilus influenzae</i> PittEE	Removed: Pathogen
<i>Haemophilus parainfluenzae</i> T3T1	Removed: Pathogen
<i>Haemophilus parasuis</i> SH0165	Removed: Pathogen
<i>Haemophilus somnus</i> 129PT	Removed: Pathogen
Hahella chejuensis KCTC 2396	BPrGa_Hche
Halalkalicoccus jeotgali B3	AEuHa_Hjeo
Halanaerobium hydrogeniformans	BFiCl_Hhyd
Halanaerobium praevalens DSM 2228	BFiCl_Hpra

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Taxa	Abbreviation
Haliangium ochraceum DSM 14365	BPrde_Hoch
Haliscomenobacter hydrossis DSM 1100	BBaBa_Hhyd
Haloarcula hispanica ATCC 33960	AEuHa_Hhis
Haloarcula marismortui ATCC 43049	AEuHa_Hmar
Halobacillus halophilus DSM 2266	BFiBa_Hhal
Halobacterium salinarum R1	AEuHa_Hsal
Halobacterium sp. NRC-1	AEuHa_Halo
Haloferax mediterranei ATCC 33500	AEuHa_Hmed
Haloferax volcanii DS2	AEuHa_Hvol
Halogeometricum borinquense DSM 11551	AEuHa_Hbor
Halomicrobium mukohataei DSM 12286	AEuHa_Hmuk
Halomonas elongata DSM 2581	BPrGa_Helo
Halopiger xanaduensis SH-6	AEuHa_Hxan
<i>Haloquadratum walsbyi</i> DSM 16790	Removed: Pathogen
Halorhabdus utahensis DSM 12940	AEuHa_Huta
Halorhodospira halophila SL1	BPrGa_Hhal
Halorubrum lacusprofundi ATCC 49239	AEuHa_Hlac
Haloterrigena turkmenica DSM 5511	AEuHa_Htur
Halothermothrix orenii H 168	BFiCl_Hore
Halothiobacillus neapolitanus c2	BPrGa_Hnea
Harpegnathos saltator	EMeAr_Hsal
<i>Helicobacter acinonychis</i> str. Sheeba	Removed: Pathogen
Helicobacter bizzozeronii CIII-1	Removed
Helicobacter cetorum MIT 00-7128	Removed
Helicobacter cinaedi PAGU611	BPrde_Hcin
<i>Helicobacter felis</i> ATCC 49179	Removed: Pathogen
<i>Helicobacter hepaticus</i> ATCC 51449	Removed: Pathogen
<i>Helicobacter mustelae</i> 12198	Removed: Pathogen
<i>Helicobacter pylori</i> B38	Removed: Pathogen
Heliconius melpomene	EOPMe_Hmel
Heliconius numata	EOPMe_Hnum
Heliobacterium modesticaldum Ice1	BFiCl_Hmod
Helobdella robusta	EMeAn_Hrob
Herbaspirillum seropedicae SmR1	BPrBe_Hser
<i>Herminiimonas arsenicoxydans</i>	Removed: Pathogen
Herpetosiphon aurantiacus DSM 785	BChCh_Haur
Heterobasidion annosum	EFuDi_Hann
Heterocephalus glaber	EOPMe_Hgla
Hippea maritima DSM 10411	BPrde_Hmar
Hirschia baltica ATCC 49814	BPrAl_Hbal
Homo sapiens	EOPMe_Hsap
Hydra magnipapillata	EMeCn_Hmag
Hydrogenobacter thermophilus TK-6	BAqAq_Hthe
Hydrogenobaculum sp. Y04AAS1	BAqAq_Hydr
Hyperthermus butylicus DSM 5456	ACrTh_Hbut
Hyphomicrobium denitrificans ATCC 51888	BPrAl_Hden

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Taxa	Abbreviation
Hyphomicrobium sp. MC1	BPrAl_Hyph
<i>Hyphomonas neptunium</i> ATCC 15444	Removed: Pathogen
Ichthyophthirius multifiliis strain G5	EAlCi_Imul
Idiomarina loihiensis L2TR	BPrGa_Iloi
Ignavibacterium album JCM 16511	BBaIg_Ialb
Ignicoccus hospitalis KIN4/I	ACrTh_Ihos
Ignisphaera aggregans DSM 17230	ACrTh_Iagg
Ilyobacter polytropus DSM 2926	BFuFu_Ipol
Intrasporangium calvum DSM 43043	BACAc_Ical
Isopterocola variabilis 225	BACAc_Ivar
Isosphaera pallida ATCC 43644	BPIPl_Ipal
<i>Ixodes scapularis</i>	Removed: Pathogen
Jannaschia sp. CCS1	BPrAl_Jann
Janthinobacterium sp. Marseille	BPrBe_Jant
Jonesia denitrificans DSM 20603	BACAc_Jden
Kangiella koreensis DSM 16069	BPrGa_Kkor
Ketogulonicigenium vulgare WSH-001	Removed
Ketogulonicigenium vulgare Y25	BPrAl_Kvul
<i>Kineococcus radiotolerans</i> SRS30216	Removed: Pathogen
Kitasatospora setae KM-6054	BACAc_Kset
Klebsiella oxytoca E718	BPrGa_Koxy
<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> NTUH-K2044	Removed: Pathogen
Klebsiella variicola At-22	BPrGa_Kvar
Kluyveromyces lactis NRRL Y-1140	EFuAs_Klac
Kocuria rhizophila DC2201	BACAc_Krhi
Komagataella pastoris GS115	EFuDi_Ppas
Kosmotoga olearia TBF 19.5.1	BThTh_Kole
Kribbella flavida DSM 17836	BACAc_Kfla
Krokinobacter sp. 4H-3-7-5	BBaBa_Krok
Kyrpidia tusciae DSM 2912	BFiBa_Ktus
<i>Kytococcus sedentarius</i> DSM 20547	Removed: Pathogen
Laccaria bicolor S238N-H82	EFuBa_Lbic
Lachancea kluyveri	EFuAs_Lklu
Lachancea thermotolerans CBS 6340	EFuDi_Kthe
Lachancea waltii NCYC 2644	EFuAs_Kwal
Lacinutrix sp. 5H-3-7-4	BBaBa_Laci
Lactobacillus acidophilus 30SC	BFiBa_Laci
Lactobacillus amylovorus GRL1118	BFiBa_Lamy
Lactobacillus brevis ATCC 367	BFiBa_Lbre
Lactobacillus buchneri NRRL B-30929	BFiBa_Lbuc
Lactobacillus casei ATCC 334	BFiBa_Lcas
Lactobacillus crispatus ST1	BFiBa_Lcri
Lactobacillus delbrueckii subsp. bulgaricus ATCC BAA-365	BFiBa_Ldel
Lactobacillus fermentum IFO 3956	BFiBa_Lfer
Lactobacillus gasseri ATCC 33323	BFiBa_Lgas
Lactobacillus helveticus DPC 4571	BFiBa_Lhel
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Taxa	Abbreviation
Lactobacillus johnsonii FI9785	BFiBa_Ljoh
Lactobacillus kefiranofaciens ZW3	BFiBa_Lkef
Lactobacillus plantarum JDM1	BFiBa_Lpla
Lactobacillus reuteri DSM 20016	BFiBa_Lreu
<i>Lactobacillus rhamnosus</i> Lc 705	Removed: Pathogen
Lactobacillus ruminis ATCC 27782	BFiBa_Lrum
<i>Lactobacillus sakei</i> subsp. <i>sakei</i> 23K	Removed: Pathogen
Lactobacillus salivarius CECT 5713	BFiBa_Lsal
Lactobacillus sanfranciscensis TMW 1.1304	BFiBa_Lsan
<i>Lactococcus garvieae</i> ATCC 49156	Removed: Pathogen
<i>Lactococcus lactis</i> subsp. <i>cremoris</i> MG1363	Removed: Pathogen
<i>Laribacter hongkongensis</i> HLHK9	Removed: Pathogen
Latimeria chalumnae	EOPMe_Lcha
<i>Lawsonia intracellularis</i> PHE/MN1-00	Removed: Pathogen
Leadbetterella byssophila DSM 17132	BBaBa_Lbys
<i>Legionella longbeachae</i> NSW150	Removed: Pathogen
<i>Legionella pneumophila</i> str. <i>Corby</i>	Removed: Pathogen
<i>Leifsonia xyli</i> subsp. <i>xyli</i> str. CTCB07	Removed: Pathogen
<i>Leishmania braziliensis</i> MHOM/BR/75/M2904	Removed: Pathogen
<i>Leishmania infantum</i> JPCM5	Removed: Pathogen
<i>Leishmania major</i> strain Friedlin	Removed: Pathogen
<i>Leishmania mexicana</i>	EEuKi_Lmex
<i>Leptospira biflexa</i> serovar <i>Patoc</i> strain <i>Patoc 1 (Paris)</i>	Removed: Pathogen
<i>Leptospira borgpetersenii</i> serovar <i>Hardjo-ovis</i> str. <i>L550</i>	Removed: Pathogen
<i>Leptospira interrogans</i> serovar <i>Lai</i> str. <i>IPAV</i>	Removed: Pathogen
Leptospirillum ferrooxidans C2-3	BNiNi_Lfer
Leptothrix cholodnii SP-6	BPrBe_Lcho
<i>Leptotrichia buccalis</i> C-1013-b	Removed: Pathogen
Leuconostoc citreum KM20	BFiBa_Lcit
Leuconostoc gasicomitatum LMG 18811	BFiBa_Lgai
Leuconostoc kimchii IMSNU 11154	BFiBa_Lkim
Leuconostoc mesenteroides subsp. <i>mesenteroides</i> ATCC 8293	BFiBa_Lmes
Leuconostoc sp. C2	BFiBa_Leuc
Linepithema humile	EMeAr_Lhum
<i>Listeria innocua</i> Clip11262	Removed: Pathogen
<i>Listeria ivanovii</i> subsp. <i>ivanovii</i> PAM 55	Removed: Pathogen
<i>Listeria monocytogenes</i> serotype 4b str. CLIP 80459	BFiBa_Lmon
<i>Listeria seeligeri</i> serovar <i>1/2b</i> str. <i>SLCC3954</i>	Removed: Pathogen
<i>Listeria welshimeri</i> serovar <i>6b</i> str. <i>SLCC5334</i>	Removed: Pathogen
<i>Lodderomyces elongisporus</i> NRRL YB-4239	Removed: Pathogen
Lottia gigantea	EMeMo_Lgig
Loxodonta africana	EOPMe_Lafr
Lysinibacillus sphaericus C3-41	BFiBa_Lsph
Macaca mulatta	EOPMe_Mmul
Macroccoccus caseolyticus JCSC5402	BFiBa_Mcas
Macropus eugenii	EOPMe_Meug
Continued on next page	

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Taxa	Abbreviation
<i>Magnaporthe oryzae</i> 70-15	Removed: Pathogen
<i>Magnetococcus marinus</i> MC-1	Removed: Pathogen
<i>Magnetospirillum magneticum</i> AMB-1	BPrAl_Mmag
<i>Mahella australiensis</i> 50-1 BON	BFiCl_Maus
<i>Malassezia globosa</i> CBS 7966	Removed: Pathogen
<i>Malus x domestica</i>	EViSt_Mxxx
<i>Mannheimia succiniciproducens</i> MBEL55E	Removed: Pathogen
<i>Maribacter</i> sp. HTCC2170	BBaBa_Mari
<i>Maricaulis maris</i> MCS10	Removed: Pathogen
<i>Marinithermus hydrothermalis</i> DSM 14884	BDeDe_Mhyd
<i>Marinitoga piezophila</i> KA3	BThTh_Mpie
<i>Marinobacter adhaerens</i> HP15	BPrGa_Madh
<i>Marinobacter aquaeolei</i> VT8	Removed: Pathogen
<i>Marinobacter hydrocarbonoclasticus</i> ATCC 49840	BPrGa_Mhyd
<i>Marinomonas mediterranea</i> MMB-1	BPrGa_Mmed
<i>Marinomonas posidonica</i> IVIA-Po-181	BPrGa_Mpos
<i>Marinomonas</i> sp. MWYL1	BPrGa_Mari
<i>Marivirga tractuosa</i> DSM 4126	BBaBa_Mtra
<i>Medicago truncatula</i>	EViSt_Mtru
<i>Megasphaera elsdenii</i> DSM 20460	Removed: Pathogen
<i>Meiothermus ruber</i> DSM 1279	BDeDe_Mrub
<i>Meiothermus silvanus</i> DSM 9946	BDeDe_Msil
<i>Melampsora larici-populina</i>	EFuDi_Mlar
<i>Meleagris gallopavo</i>	EOpMe_Mgal
<i>Melioribacter roseus</i> P3M	BBaIg_Mros
<i>Melissococcus plutonius</i> DAT561	BFiBa_Mplu
<i>Meloidogyne hapla</i>	EMeNe_Mhap
<i>Meloidogyne incognita</i>	EMeNe_Minc
<i>Mesoplasma florum</i> L1	Removed: Pathogen
<i>Mesorhizobium ciceri</i> biovar biserrulae WSM1271	BPrAl_Mcic
<i>Mesorhizobium loti</i> MAFF303099	BPrAl_Mlot
<i>Mesorhizobium opportunistum</i> WSM2075	BPrAl_Mopp
<i>Mesotoga prima</i> MesG1.Ag.4.2	BThTh_Mpri
<i>Metallosphaera cuprina</i> Ar-4	ACrTh_Mcup
<i>Metallosphaera sedula</i> DSM 5348	Removed: Pathogen
<i>Methanobacterium</i> sp. AL-21	AEuMe_Meth
<i>Methanobrevibacter ruminantium</i> M1	AEuMe_Mrum
<i>Methanobrevibacter smithii</i> ATCC 35061	AEuMe_Msmi
<i>Methanocaldococcus fervens</i> AG86	AEuMe_Mfer
<i>Methanocaldococcus infernus</i> ME	AEuMe_minf
<i>Methanocaldococcus jannaschii</i> DSM 2661	AEuMe_Mjan
<i>Methanocaldococcus</i> sp. FS406-22	AEuMe_Metc
<i>Methanocaldococcus vulcanius</i> M7	AEuMe_Mvul
<i>Methanocella arvoryzae</i> MRE50	Removed: Pathogen
<i>Methanocella conradii</i> HZ254	AEuMe_Mcon
<i>Methanocella paludicola</i> SANA	AEuMe_Mpal

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Taxa	Abbreviation
Methanococcoides burtonii DSM 6242	AEuMe_Mbur
Methanococcus aeolicus Nankai-3	AEuMe_Maeo
<i>Methanococcus maripaludis</i> C5	Removed: Pathogen
<i>Methanococcus vanniellii</i> SB	Removed: Pathogen
Methanococcus voltae A3	AEuMe_Mvol
<i>Methanocorpusculum labreanum</i> Z	Removed: Pathogen
Methanoculleus bourgensis MS2	AEuMe_Mbou
<i>Methanoculleus marisnigri</i> JR1	Removed: Pathogen
Methanohalobium evestigatum Z-7303	AEuMe_Meve
Methanohalophilus mahii DSM 5219	AEuMe_Mmah
Methanoplanus petrolearius DSM 11571	AEuMe_Mpet
Methanopyrus kandleri AV19	AEuMe_Mkan
Methanoregula boonei 6A8	AEuMe_Mboo
Methanosaeta concilii GP6	AEuMe_Mcoc
Methanosaeta harundinacea 6Ac	AEuMe_Mhar
Methanosaeta thermophila PT	AEuMe_Mthe
Methanosalsum zhilinae DSM 4017	AEuMe_Mzhi
Methanosarcina acetivorans C2A	AEuMe_Mace
Methanosarcina barkeri str. Fusaro	AEuMe_Mbar
Methanosarcina mazei Go1	AEuMe_Mmaz
Methanosphaera stadtmanae DSM 3091	AEuMe_Msta
Methanosphaerula palustris E1-9c	AEuMe_Mpas
Methanospirillum hungatei JF-1	AEuMe_Mhun
Methanothermobacter marburgensis str. Marburg	AEuMe_Mmar
Methanothermobacter thermautotrophicus str. Delta H	AEuMe_Mtha
Methanothermococcus okinawensis IH1	AEuMe_Moki
Methanothermus fervidus DSM 2088	AEuMe_Mfei
Methanotorris igneus Kol 5	AEuMe_Mign
Methylacidiphilum infernorum V4	BChVe_Minf
Methylibium petroleiphilum PM1	BPrBe_Mpet
Methylobacillus flagellatus KT	BPrBe_Mfla
Methylobacterium extorquens AM1	BPrAl_Mext
Methylobacterium extorquens CM4	BPrAl_Mchl
Methylobacterium nodulans ORS 2060	BPrAl_Mnod
Methylobacterium populi BJ001	BPrAl_Mpop
Methylobacterium radiotolerans JCM 2831	BPrAl_Mrad
Methylobacterium sp. 4-46	BPrAl_Meth
Methylocella silvestris BL2	BPrAl_Msil
Methylococcus capsulatus str. Bath	BPrGa_Mcap
Methylomicrobium alcaliphilum	BPrGa_Malc
Methylomonas methanica MC09	BPrGa_Mmet
Methylophaga sp. JAM1	BPrGa_Meth
Methylotenera mobilis JLW8	BPrBe_Mmob
Methylotenera versatilis 301	BPrBe_Mver
Methylovorus glucosetrophus SIP3-4	BPrBe_Mglu
Methylovorus sp. MP688	BPrBe_Meth

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Taxa	Abbreviation
<i>Meyerozyma guilliermondii</i> ATCC 6260	Removed: Pathogen
Micavibrio aeruginosavorus ARL-13	Removed
<i>Microbacterium testaceum</i> StLB037	BACAc_Mtes
<i>Microcebus murinus</i>	EOPMe_Mmur
<i>Micrococcus luteus</i> NCTC 2665	BACAc_Mlut
<i>Microcystis aeruginosa</i> NIES-843	Removed: Pathogen
<i>Microlunatus phosphovorus</i> NM-1	BACAc_Mpho
<i>Micromonas pusilla</i> CCMP1545	EViCh_Mpus
<i>Micromonas</i> sp. RCC299	EViCh_Micr
<i>Micromonospora aurantiaca</i> ATCC 27029	BACAc_Maur
<i>Micromonospora</i> sp. L5	BACAc_Micr
<i>Microsporium gypseum</i>	EFuDi_Mgyp
<i>Mobiluncus curtisii</i> ATCC 43063	BACAc_Mcur
<i>Modestobacter marinus</i>	BACAc_Mmar
<i>Monodelphis domestica</i>	EOPMe_Mdom
<i>Monosiga brevicollis</i>	EChCo_Mbre
<i>Moorella thermoacetica</i> ATCC 39073	BFiCl_Mthe
<i>Moraxella catarrhalis</i> RH4	Removed: Pathogen
<i>Mortierella verticillata</i> NRRL 6337	EOPFu_Mver
<i>Mucor circinelloides</i>	EFuFu_Mcir
<i>Muricauda ruestringensis</i> DSM 13258	BBaBa_Mrue
<i>Mus musculus</i>	EOPMe_Mmus
<i>Myceliophthora thermophila</i> ATCC 42464	EFuDi_Sthe
<i>Mycobacterium abscessus</i> ATCC 19977	BACAc_Mabs
<i>Mycobacterium africanum</i> GM041182	Removed: Pathogen
<i>Mycobacterium avium</i> 104	Removed: Pathogen
<i>Mycobacterium bovis</i> BCG str. Pasteur 1173P2	Removed: Pathogen
<i>Mycobacterium canettii</i> CIPT 140010059	Removed: Pathogen
<i>Mycobacterium chubuense</i> NBB4	BACAc_Mchu
<i>Mycobacterium gilvum</i> PYR-GCK	BACAc_Mgil
<i>Mycobacterium intracellulare</i> ATCC 13950	Removed: Pathogen
<i>Mycobacterium leprae</i> Br4923	Removed: Pathogen
<i>Mycobacterium marinum</i> M	Removed: Pathogen
<i>Mycobacterium massiliense</i> str. GO 06	BACAc_Mmas
<i>Mycobacterium rhodesiae</i> NBB3	BACAc_Mrho
<i>Mycobacterium smegmatis</i> str. MC2 155	Removed: Pathogen
<i>Mycobacterium</i> sp. JLS	Removed: Pathogen
<i>Mycobacterium tuberculosis</i> KZN 1435	Removed: Pathogen
<i>Mycobacterium ulcerans</i> Ag99	Removed: Pathogen
<i>Mycobacterium vanbaalenii</i> PYR-1	BACAc_Mvan
<i>Mycoplasma agalactiae</i> PG2	Removed: Pathogen
<i>Mycoplasma arthritidis</i> 158L3-1	Removed: Pathogen
<i>Mycoplasma bovis</i> HB0801	Removed: Pathogen
<i>Mycoplasma capricolum</i> subsp. <i>capricolum</i> ATCC 27343	Removed: Pathogen
<i>Mycoplasma conjunctivae</i> HRC/581	Removed: Pathogen
<i>Mycoplasma crocodyli</i> MP145	Removed: Pathogen
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Taxa	Abbreviation
<i>Mycoplasma fermentans</i> M64	Removed: Pathogen
<i>Mycoplasma gallisepticum</i> str. F	Removed: Pathogen
<i>Mycoplasma genitalium</i> G37	Removed: Pathogen
Mycoplasma haemocanis str. Illinois	Removed
<i>Mycoplasma haemofelis</i> Ohio2	Removed: Pathogen
<i>Mycoplasma hominis</i> ATCC 23114	Removed: Pathogen
<i>Mycoplasma hyopneumoniae</i> 168	Removed: Pathogen
<i>Mycoplasma hyorhinis</i> GDL-1	Removed: Pathogen
<i>Mycoplasma leachii</i> 99/014/6	Removed: Pathogen
<i>Mycoplasma mobile</i> 163K	Removed: Pathogen
<i>Mycoplasma mycoides</i> subsp. <i>capri</i> LC str. 95010	Removed: Pathogen
<i>Mycoplasma penetrans</i> HF-2	Removed: Pathogen
Mycoplasma pneumoniae 309	Removed
<i>Mycoplasma pulmonis</i> UAB CTIP	Removed: Pathogen
<i>Mycoplasma putrefaciens</i> KS1	Removed: Pathogen
Mycoplasma suis KI3806	Removed
<i>Mycoplasma synoviae</i> 53	Removed: Pathogen
Mycoplasma wenyonii str. Massachusetts	Removed
<i>Mycosphaerella populorum</i> SO2202	EFuDi_Smus
<i>Myotis lucifugus</i>	EOPMe_Mluc
<i>Myxococcus fulvus</i> HW-1	BPrde_Mful
<i>Myxococcus xanthus</i> DK 1622	Removed: Pathogen
<i>Naegleria gruberi</i>	EHeSc_Ngru
<i>Nakamurella multipartita</i> DSM 44233	BACAc_Nmul
Nanoarchaeum equitans Kin4-M	Removed
<i>Nasonia vitripennis</i>	EMeAr_Nvit
<i>Natranaerobius thermophilus</i> JW/NM-WN-LF	BFiCl_Nthe
<i>Natrialba magadii</i> ATCC 43099	AEuHa_Nmag
<i>Natrinema</i> sp. J7-2	AEuHa_Natr
<i>Natronomonas pharaonis</i> DSM 2160	AEuHa_Npha
Nautilia profundicola AmH	Removed
<i>Nectria haematococca</i> mpVI	EFuDi_Nhae
<i>Neisseria gonorrhoeae</i> NCCP11945	Removed: Pathogen
<i>Neisseria lactamica</i> 020-06	Removed: Pathogen
<i>Neisseria meningitidis</i> FAM18	Removed: Pathogen
<i>Neisseria meningitidis</i> alpha14	Removed: Pathogen
<i>Nematostella vectensis</i>	EMeCn_Nvec
<i>Neorickettsia risticii</i> str. Illinois	Removed: Pathogen
<i>Neorickettsia sennetsu</i> str. Miyayama	Removed: Pathogen
<i>Neosartorya fischeri</i> NRRL 181	Removed: Pathogen
<i>Neospora caninum</i>	EAlAp_Ncan
<i>Neurospora crassa</i> OR74A	EFuAs_Ncra
<i>Neurospora discreta</i> FGSC 8579	EFuDi_Ndis
<i>Neurospora tetrasperma</i>	EFuDi_Ntet
<i>Niastella koreensis</i> GR20-10	BBaBa_Nkor
<i>Nitratifractor salsuginis</i> DSM 16511	BPrde_Nsal

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Taxa	Abbreviation
Nitratiruptor sp. SB155-2	BPrde_Nitr
Nitrobacter hamburgensis X14	BPrAl_Nham
Nitrobacter winogradskyi Nb-255	BPrAl_Nwin
Nitrosococcus halophilus Nc4	BPrGa_Nhal
Nitrosococcus oceani ATCC 19707	BPrGa_Noce
Nitrosococcus watsonii C-113	BPrGa_Nwat
Nitrosomonas europaea ATCC 19718	BPrBe_Neur
Nitrosomonas eutropha C91	BPrBe_Neut
Nitrosomonas sp. Is79A3	BPrBe_Nitr
Nitrosopumilus maritimus SCM1	AThNi_Nmar
Nitrospira multiformis ATCC 25196	BPrBe_Nmul
Nocardia cyriacigeorgica GUH-2	BACAc_Ncyr
<i>Nocardia farcinica IFM 10152</i>	Removed: Pathogen
<i>Nocardioides sp. JS614</i>	Removed: Pathogen
<i>Nocardiopsis dassonvillei subsp. dassonvillei DSM 43111</i>	Removed: Pathogen
Nomascus leucogenys	EOPme_Nleu
Nostoc azollae 0708	BCyNo_Nazo
Nostoc punctiforme PCC 73102	BCyNo_Npun
Nostoc sp. PCC 7120	BCyNo_Nost
Novosphingobium aromaticivorans DSM 12444	BPrAl_Naro
Novosphingobium sp. PP1Y	BPrAl_Novo
Oceanimonas sp. GK1	BPrGa_Ocea
Oceanithermus profundus DSM 14977	BDeDe_Opro
Oceanobacillus iheyensis HTE831	BFiBa_Oihe
Ochotona princeps	EOPme_Opri
<i>Ochrobactrum anthropi ATCC 49188</i>	Removed: Pathogen
Odoribacter splanchnicus DSM 20712	BBaBa_Ospl
<i>Oenococcus oeni PSU-1</i>	Removed: Pathogen
Ogataea angusta	EFuDi_Hpol
Oikopleura dioica	EMeCh_Odio
Oligotropha carboxidovorans OM4	BPrAl_Ocar
Olsenella uli DSM 7084	BACAc_Ouli
<i>Onion yellows phytoplasma OY-M</i>	Removed: Pathogen
Opitutus terrae PB90-1	BChVe_Oter
Oreochromis niloticus	EOPme_Onil
<i>Orientia tsutsugamushi str. Boryong</i>	Removed: Pathogen
Ornithobacterium rhinotracheale DSM 15997	BBaBa_Orhi
Ornithorhynchus anatinus	EOPme_Oana
Oryctolagus cuniculus	EOPme_Ocun
Oryza glaberrima	EViSt_Ogla
Oryza sativa Japonica Group	EViSt_Osat
Oryzias latipes	EOPme_Olat
Oscillibacter valericigenes Sjm18-20	BFiCl_Oval
Ostreococcus lucimarinus CCE9901	EViCh_Oluc
Ostreococcus sp. RCC809	EViCh_Ostr
Ostreococcus tauri	EViCh_Otau
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Taxa	Abbreviation
Otolemur garnettii	EOpMe_Ogar
Owenweeksia hongkongensis DSM 17368	BBaBa_Ohon
<i>Paenibacillus mucilaginosus</i> 3016	Removed: Pathogen
<i>Paenibacillus polymyxa</i> M1	Removed: Pathogen
Paenibacillus sp. JDR-2	BFiBa_Paen
Paenibacillus terrae HPL-003	BFiBa_Pter
Paludibacter propionigenes WB4	BBaBa_Ppro
Pan troglodytes	EOpMe_Ptro
<i>Pantoea ananatis</i> LMG 20103	Removed: Pathogen
<i>Pantoea</i> sp. At-9b	Removed: Pathogen
<i>Pantoea vagans</i> C9-1	Removed: Pathogen
<i>Parabacteroides distasonis</i> ATCC 8503	Removed: Pathogen
Parachlamydia acanthamoebae UV-7	BChCh_Paca
<i>Paracoccidioides brasiliensis</i> Pb18	Removed: Pathogen
Paracoccus denitrificans PD1222	BPrAl_Pden
Paramecium tetraurelia	EAlCi_Ptet
Parvibaculum lavamentivorans DS-1	BPrAl_Plav
Parvularcula bermudensis HTCC2503	BPrAl_Pber
<i>Pasteurella multocida</i> subsp. <i>multocida</i> str. 3480	Removed: Pathogen
<i>Pectobacterium atrosepticum</i> SCRI1043	Removed: Pathogen
<i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> PC1	Removed: Pathogen
<i>Pectobacterium wasabiae</i> WPP163	Removed: Pathogen
Pediculus humanus corporis	EMeAr_Phum
Pediococcus claussenii ATCC BAA-344	BFiBa_Pcla
<i>Pediococcus pentosaceus</i> ATCC 25745	Removed: Pathogen
Pedobacter heparinus DSM 2366	BBaBa_Phep
Pedobacter saltans DSM 12145	BBaBa_Psal
Pelagibacterium halotolerans B2	BPrAl_Phal
Pelobacter carbinolicus DSM 2380	BPrde_Pcar
<i>Pelobacter propionicus</i> DSM 2379	Removed: Pathogen
Pelodictyon phaeoclathratiforme BU-1	BBaCh_Ppha
Pelodiscus sinensis	EOpMe_Psin
<i>Pelotomaculum thermopropionicum</i> SI	Removed: Pathogen
Penicillium chrysogenum Wisconsin 54-1255	EFuDi_Pchr
<i>Perkinsus marinus</i> ATCC 50983	Removed: Pathogen
Persephonella marina EX-H1	BAqAq_Pmar
Petromyzon marinus	EOpMe_Pmar
Petrotoga mobilis SJ95	BThTh_Pmob
Phaeobacter gallaeciensis 2.10	BPrAl_Pgal
Phaeodactylum tricornutum CCAP 1055/1	EstBa_Ptri
<i>Phaeosphaeria nodorum</i> SN15	Removed: Pathogen
Phanerochaete chrysosporium RP-78	EFuBa_Pchr
Phenylobacterium zucineum HLK1	BPrAl_Pzuc
Photobacterium profundum SS9	BPrGa_Ppro
Photorhabdus asymbiotica	Removed
<i>Photorhabdus luminescens</i> subsp. <i>laumondii</i> TTO1	Removed: Pathogen

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Taxa	Abbreviation
Phycisphaera mikurensis NBRC 102666	BPIPh_Pmik
Phycomyces blakesleeanus	EFuFu_Pbla
Physcomitrella patens subsp. patens	EViSt_Ppat
Phytophthora capsici	EstOo_Pcap
<i>Phytophthora infestans</i> T30-4	Removed: Pathogen
Phytophthora ramorum	EstOo_Pram
<i>Phytophthora sojae</i>	Removed: Pathogen
Pichia membranifaciens NRRL Y-2026	EFuDi_Pmem
Picrophilus torridus DSM 9790	AEuTh_Ptor
Pirellula staleyi DSM 6068	BPIPl_Psta
Planctomyces brasiliensis DSM 5305	BPIPl_Pbra
Planctomyces limnophilus DSM 3776	BPIPl_Plim
<i>Plasmodium berghei</i> ANKA	Removed: Pathogen
Plasmodium chabaudi	EAlAp_Pcha
<i>Plasmodium falciparum</i> 3D7	Removed: Pathogen
<i>Plasmodium knowlesi</i> strain H	Removed: Pathogen
<i>Plasmodium vivax</i> Sal-1	Removed: Pathogen
Plasmodium yoelii yoelii	EAlAp_Pyoe
Pleurotus ostreatus	EFuDi_Post
Podospora anserina	EFuDi_Pans
Pogonomyrmex barbatus	EMeAr_Pbar
<i>Polaromonas naphthalenivorans</i> CJ2	Removed: Pathogen
Polaromonas sp. JS666	BPrBe_Pola
Polymorphum gilvum SL003B-26A1	BPrAl_Pgil
Polynucleobacter necessarius subsp. asymbioticus QLW-P1DMWA-1	BPrBe_Pnec
Pongo abelii	EOPme_Pabe
Populus trichocarpa	EViSt_Ptri
Porphyromonas asaccharolytica DSM 20707	BBaBa_Pasa
<i>Porphyromonas gingivalis</i> ATCC 33277	Removed: Pathogen
Postia placenta	EFuDi_Ppla
Prevotella denticola F0289	BBaBa_Pden
<i>Prevotella intermedia</i> 17	Removed: Pathogen
Prevotella melaninogenica ATCC 25845	BBaBa_Pmel
<i>Prevotella ruminicola</i> 23	Removed: Pathogen
Pristionchus pacificus	EMeNe_Ppac
Procapia capensis	EOPme_Pcap
<i>Prochlorococcus marinus</i> str. MIT 9515	Removed: Pathogen
Propionibacterium acnes SK137	BACAc_Pacn
Propionibacterium freudenreichii subsp. shermanii CIRM-BIA1	BACAc_Pfre
Propionibacterium propionicum F0230a	BACAc_Ppro
Prosthecochloris aestuarii DSM 271	BBaCh_Paes
<i>Proteus mirabilis</i> HI4320	Removed: Pathogen
Providencia stuartii MRSN 2154	BPrGa_Pstu
Pseudoalteromonas atlantica T6c	BPrGa_Patl
Pseudoalteromonas haloplanktis TAC125	BPrGa_Phal
Pseudoalteromonas sp. SM9913	BPrGa_Pseu
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Taxa	Abbreviation
<i>Pseudocercospora fijiensis</i> CIRAD86	EFuDi_Mfij
<i>Pseudogulbenkiania</i> sp. NH8B	BPrBe_Pseu
<i>Pseudomonas aeruginosa</i> UCBPP-PA14	Removed: Pathogen
<i>Pseudomonas brassicacearum</i> subsp. <i>brassicacearum</i> NFM421	BPrGa_Pbra
<i>Pseudomonas entomophila</i> L48	Removed: Pathogen
<i>Pseudomonas fluorescens</i> SBW25	Removed: Pathogen
<i>Pseudomonas fulva</i> 12-X	BPrGa_Pful
<i>Pseudomonas mendocina</i> ymp	Removed: Pathogen
<i>Pseudomonas protegens</i> Pf-5	Removed: Pathogen
<i>Pseudomonas putida</i> F1	Removed: Pathogen
<i>Pseudomonas stutzeri</i> A1501	Removed: Pathogen
<i>Pseudomonas syringae</i> pv. <i>tomato</i> str. DC3000	Removed: Pathogen
<i>Pseudonocardia dioxanivorans</i> CB1190	BACAc_Pdio
<i>Pseudovibrio</i> sp. FO-BEG1	BPrAl_Pseu
<i>Pseudoxanthomonas spadix</i> BD-a59	BPrGa_Pspa
<i>Pseudoxanthomonas suwonensis</i> 11-1	BPrGa_Psuw
<i>Psychrobacter arcticus</i> 273-4	BPrGa_Parc
<i>Psychrobacter cryohalolentis</i> K5	BPrGa_Pcry
<i>Psychrobacter</i> sp. PRwf-1	BPrGa_Psyc
<i>Psychromonas ingrahamii</i> 37	Removed: Pathogen
<i>Pteropus vampyrus</i>	EOPMe_Pvam
<i>Puccinia graminis</i> f. sp. <i>tritici</i> CRL 75-36-700-3	Removed: Pathogen
<i>Punctularia strigosozonata</i> HHB-11173 SS5	EFuDi_Pstr
<i>Pusillimonas</i> sp. T7-7	BPrBe_Pusi
<i>Pyrenophora tritici-repentis</i>	EFuDi_Ptri
<i>Pyrobaculum aerophilum</i> str. IM2	ACrTh_Paer
<i>Pyrobaculum arsenaticum</i> DSM 13514	Removed: Pathogen
<i>Pyrobaculum caldifontis</i> JCM 11548	ACrTh_Pcal
<i>Pyrobaculum islandicum</i> DSM 4184	Removed: Pathogen
<i>Pyrobaculum neutrophilum</i> V24Sta	ACrTh_Tneu
<i>Pyrobaculum oguniense</i> TE7	ACrTh_Pogu
<i>Pyrobaculum</i> sp. 1860	ACrTh_Pyro
<i>Pyrococcus abyssi</i> GE5	AEuTh_Paby
<i>Pyrococcus furiosus</i> COM1	AEuTh_Pfur
<i>Pyrococcus horikoshii</i> OT3	AEuTh_Phor
<i>Pyrococcus</i> sp. ST04	AEuTh_Pyro
<i>Pyrococcus yayanosii</i> CH1	AEuTh_Pyay
<i>Pyrolobus fumarii</i> 1A	ACrTh_Pfum
<i>Pythium ultimum</i>	ESToO_Pult
<i>Rahnella aquatilis</i> CIP 78.65 = ATCC 33071	BPrGa_Raqu
<i>Rahnella</i> sp. Y9602	BPrGa_Rahn
<i>Ralstonia eutropha</i> H16	BPrBe_Reut
<i>Ralstonia eutropha</i> JMP134	BPrBe_ReuJ
<i>Ralstonia pickettii</i> 12D	Removed: Pathogen
<i>Ralstonia solanacearum</i> CFBP2957	Removed: Pathogen
<i>Ramlibacter tataouinensis</i> TTB310	BPrBe_Rtat
Continued on next page	

Table S2 – continued from previous page

Taxa	Abbreviation
<i>Rattus norvegicus</i>	EOpMe_Rnor
<i>Renibacterium salmoninarum</i> ATCC 33209	Removed: Pathogen
<i>Rhizobium etli</i> CIAT 652	BPrAl_Retl
<i>Rhizobium leguminosarum</i> bv. <i>viciae</i> 3841	Removed: Pathogen
<i>Rhizopus delemar</i> RA 99-880	Removed: Pathogen
<i>Rhodobacter capsulatus</i> SB 1003	BPrAl_Rcap
<i>Rhodobacter sphaeroides</i> ATCC 17029	Removed: Pathogen
<i>Rhodococcus equi</i> 103S	Removed: Pathogen
<i>Rhodococcus erythropolis</i> PR4	BAcAc_Rery
<i>Rhodococcus jostii</i> RHA1	BAcAc_Rjos
<i>Rhodococcus opacus</i> B4	BAcAc_Ropa
<i>Rhodoferax ferrireducens</i> T118	BPrBe_Rfer
<i>Rhodococcus vanniellii</i> ATCC 17100	BPrAl_Rvan
<i>Rhodopirellula baltica</i> SH 1	BPIPl_Rbal
<i>Rhodopseudomonas palustris</i> BisA53	Removed: Pathogen
<i>Rhodospirillum centenum</i> SW	BPrAl_Rcen
<i>Rhodospirillum photometricum</i> DSM 122	BPrAl_Rpho
<i>Rhodospirillum rubrum</i> F11	BPrAl_Rrub
<i>Rhodothermus marinus</i> DSM 4252	BBaBa_Rmar
<i>Rhodotorula graminis</i> WP1	EFuDi_Rgra
<i>Rickettsia africae</i> ESF-5	Removed: Pathogen
<i>Rickettsia akari</i> str. <i>Hartford</i>	Removed: Pathogen
Rickettsia australis str. Cutlack	Removed
<i>Rickettsia bellii</i> OSU 85-389	Removed: Pathogen
<i>Rickettsia canadensis</i> str. <i>McKiel</i>	Removed: Pathogen
<i>Rickettsia conorii</i> str. <i>Malish</i> 7	Removed: Pathogen
<i>Rickettsia felis</i> URRWXC2	Removed: Pathogen
Rickettsia heilongjiangensis 054	Removed
<i>Rickettsia japonica</i> YH	Removed: Pathogen
<i>Rickettsia massiliae</i> MTU5	Removed: Pathogen
Rickettsia montanensis str. OSU 85-930	Removed
Rickettsia parkeri str. Portsmouth	Removed
<i>Rickettsia peacockii</i> str. <i>Rustic</i>	Removed: Pathogen
Rickettsia philipii str. 364D	Removed
<i>Rickettsia prowazekii</i> str. BuV67-CWPP	BPrAl_Rpro
Rickettsia rhipicephali str. 3-7-female6-CWPP	Removed
<i>Rickettsia rickettsii</i> str. <i>Sheila Smith</i>	Removed: Pathogen
<i>Rickettsia slovaca</i> 13-B	Removed: Pathogen
<i>Rickettsia typhi</i> str. <i>Wilmington</i>	Removed: Pathogen
<i>Riemerella anatipestifer</i> ATCC 11845 = DSM 15868	BBaBa_Rana
<i>Robiginitalea biformata</i> HTCC2501	BBaBa_Rbif
<i>Roseburia hominis</i> A2-183	BFiCl_Rhom
<i>Roseiflexus castenholzii</i> DSM 13941	BChCh_Rcas
<i>Roseiflexus</i> sp. RS-1	BChCh_Rose
<i>Roseobacter denitrificans</i> OCh 114	Removed: Pathogen
<i>Roseobacter litoralis</i> OCh 149	BPrAl_Rlit
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Taxa	Abbreviation
Rothia dentocariosa ATCC 17931	BACAc_Rden
Rothia mucilaginosa DY-18	BACAc_Rmuc
Rubrivivax gelatinosus IL144	BPrBe_Rgel
<i>Rubrobacter xylophilus</i> DSM 9941	Removed: Pathogen
Ruegeria pomeroyi DSS-3	BPrAl_Rpom
<i>Ruegeria</i> sp. TM1040	Removed: Pathogen
Ruminococcus albus 7	BFiCl_Ralb
Runella slithyformis DSM 19594	BBaBa_Rsli
<i>Saccharomonospora viridis</i> DSM 43017	Removed: Pathogen
Saccharomyces bayanus	EFuAs_Sbay
Saccharomyces cerevisiae	EOPFu_Scer
Saccharomyces mikatae	EFuAs_Smik
Saccharomyces paradoxus	EFuAs_Spar
Saccharophagus degradans 2-40	BPrGa_Sdeg
Saccharopolyspora erythraea NRRL 2338	BACAc_Sery
Saccoglossus kowalevskii	EOPMe_Skow
Salinibacter ruber M8	BBaBa_Srub
Salinispora arenicola CNS-205	BACAc_Sare
<i>Salinispora tropica</i> CNB-440	Removed: Pathogen
<i>Salmonella bongori</i> NCTC 12419	Removed: Pathogen
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Paratyphi</i> C strain RKS4594	Removed: Pathogen
Salpingoeca sp. ATCC 50818	EChCo_Prot
Sanguibacter keddiei DSM 10542	BACAc_Sked
Saprospira grandis str. Lewin	BBaBa_Sgra
Sarcophilus harrisii	EOPMe_Shar
Scheffersomyces stipitis CBS 6054	EFuDi_Psti
Schistosoma mansoni	EMePl_Sman
Schizophyllum commune	EFuDi_Scom
Schizosaccharomyces japonicus yFS275	EFuDi_Sjap
Schizosaccharomyces octosporus yFS286	EFuDi_Soct
Schizosaccharomyces pombe	EFuAs_Spom
Sclerotinia sclerotiorum	EFuDi_Sscl
Sebaldella termitidis ATCC 33386	BFuFu_Ster
Segniliparus rotundus DSM 44985	BACAc_Srot
Selaginella moellendorffii	EViSt_Smoe
<i>Selenomonas ruminantium</i> subsp. <i>lactilytica</i> TAM6421	Removed: Pathogen
Selenomonas sputigena ATCC 35185	BFiNe_Sspu
Serpula lacrymans var. lacrymans S7.9	EFuDi_Slac
Serratia plymuthica AS9	BPrGa_Sply
<i>Serratia proteamaculans</i> 568	Removed: Pathogen
Serratia sp. AS12	BPrGa_Serr
Serratia symbiotica str. Cinara cedri	Removed
Setaria italica	EViSt_Sita
Setosphaeria turcica Et28A	EFuDi_Stur
Shewanella amazonensis SB2B	BPrGa_Sama

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Taxa	Abbreviation
<i>Shewanella baltica</i> OS185	Removed: Pathogen
<i>Shewanella denitrificans</i> OS217	BPrGa_Sden
<i>Shewanella frigidimarina</i> NCIMB 400	BPrGa_Sfri
<i>Shewanella halifaxensis</i> HAW-EB4	BPrGa_Shal
<i>Shewanella loihica</i> PV-4	BPrGa_Sloi
<i>Shewanella oneidensis</i> MR-1	Removed: Pathogen
<i>Shewanella pealeana</i> ATCC 700345	BPrGa_Spea
<i>Shewanella piezotolerans</i> WP3	BPrGa_Spie
<i>Shewanella putrefaciens</i> CN-32	Removed: Pathogen
<i>Shewanella sediminis</i> HAW-EB3	BPrGa_Ssed
<i>Shewanella</i> sp. MR-4	BPrGa_Shew
<i>Shewanella violacea</i> DSS12	BPrGa_Svio
<i>Shewanella woodyi</i> ATCC 51908	BPrGa_Swoo
<i>Shigella boydii</i> CDC 3083-94	Removed: Pathogen
<i>Shigella dysenteriae</i> Sd197	Removed: Pathogen
<i>Shigella flexneri</i> 5 str. 8401	Removed: Pathogen
<i>Shigella sonnei</i> Ss046	Removed: Pathogen
<i>Sideroxydans lithotrophicus</i> ES-1	BPrBe_Slit
<i>Simkania negevensis</i> Z	Removed: Pathogen
<i>Sinorhizobium fredii</i> NGR234	BPrAl_Sfre
<i>Sinorhizobium medicae</i> WSM419	Removed: Pathogen
<i>Sinorhizobium meliloti</i> AK83	BPrAl_Smel
<i>Slackia heliotrinireducens</i> DSM 20476	BACAc_Shel
<i>Sodalis glossinidius</i> str. morsitans	Removed: Pathogen
<i>Solanum lycopersicum</i>	EViSt_Slyc
<i>Solanum tuberosum</i>	EViSt_Stub
<i>Solenopsis invicta</i>	EMeAr_Sinv
<i>Solibacillus silvestris</i> StLB046	BFiBa_Ssil
<i>Solitalea canadensis</i> DSM 3403	BBaBa_Scan
<i>Sorangium cellulosum</i> So ce56	BPrde_Scel
<i>Sorex araneus</i>	EOPMe_Sara
<i>Sorghum bicolor</i>	EViSt_Sbic
<i>Spermophilus tridecemlineatus</i>	EOPMe_Itri
<i>Sphaerobacter thermophilus</i> DSM 20745	BChTh_Sthe
<i>Sphaerochaeta coccoides</i> DSM 17374	BSpSp_Scoc
<i>Sphaerochaeta globus</i> str. Buddy	BSpSp_Sglo
<i>Sphaerochaeta pleomorpha</i> str. Grapes	BSpSp_Sple
<i>Sphaeroforma arctica</i> JP610	EOPOp_Sarc
<i>Sphingobacterium</i> sp. 21	BBaBa_Sphi
<i>Sphingobium chlorophenolicum</i> L-1	BPrAl_Schl
<i>Sphingobium japonicum</i> UT26S	BPrAl_Sjap
<i>Sphingobium</i> sp. SYK-6	BPrAl_Sphi
<i>Sphingomonas wittichii</i> RW1	BPrAl_Swit
<i>Sphingopyxis alaskensis</i> RB2256	BPrAl_Sala
<i>Spirochaeta africana</i> DSM 8902	BSpSp_Safr
<i>Spirochaeta caldaria</i> DSM 7334	BSpSp_Scal
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Taxa	Abbreviation
Spirochaeta smaragdinae DSM 11293	BSpSp_Ssma
Spirochaeta thermophila DSM 6192	BSpSp_Sthe
Spirosoma linguale DSM 74	BBaBa_Slin
Spizellomyces punctatus DAOM BR117	EFuCh_Spun
Sporobolomyces roseus IAM 13481	EFuDi_Sros
Stackebrandtia nassauensis DSM 44728	BACAc_Snas
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> JH1	Removed: Pathogen
<i>Staphylococcus carnosus</i> subsp. <i>carnosus</i> TM300	Removed: Pathogen
<i>Staphylococcus epidermidis</i> RP62A	Removed: Pathogen
<i>Staphylococcus haemolyticus</i> JCSC1435	Removed: Pathogen
<i>Staphylococcus lugdunensis</i> HKU09-01	Removed: Pathogen
<i>Staphylococcus pseudintermedius</i> HKU10-03	BFiBa_Spse
<i>Staphylococcus saprophyticus</i> subsp. <i>saprophyticus</i> ATCC 15305	Removed: Pathogen
<i>Staphylothermus hellenicus</i> DSM 12710	ACrTh_Shel
<i>Staphylothermus marinus</i> F1	Removed: Pathogen
Starkeya novella DSM 506	BPrAl_Snov
<i>Stenotrophomonas maltophilia</i> K279a	Removed: Pathogen
<i>Stereum hirsutum</i> FP-91666 SS1	EFuDi_Shir
<i>Stigmatella aurantiaca</i> DW4/3-1	BPrde_Saur
<i>Streptobacillus moniliformis</i> DSM 12112	Removed: Pathogen
<i>Streptococcus agalactiae</i> A909	Removed: Pathogen
<i>Streptococcus dysgalactiae</i> subsp. <i>equisimilis</i> GGS_124	Removed: Pathogen
<i>Streptococcus equi</i> subsp. <i>equi</i> 4047	Removed: Pathogen
<i>Streptococcus gallolyticus</i> UCN34	BFiBa_Sgal
<i>Streptococcus gordonii</i> str. <i>Challis</i> substr. <i>CH1</i>	Removed: Pathogen
<i>Streptococcus infantarius</i> subsp. <i>infantarius</i> CJ18	BFiBa_Sinf
<i>Streptococcus intermedius</i> JTH08	BFiBa_Sint
<i>Streptococcus macedonicus</i> ACA-DC 198	BFiBa_Smac
<i>Streptococcus mitis</i> B6	Removed: Pathogen
<i>Streptococcus mutans</i> NN2025	Removed: Pathogen
<i>Streptococcus oralis</i> Uo5	BFiBa_Sora
<i>Streptococcus parasanguinis</i> ATCC 15912	BFiBa_Spar
<i>Streptococcus parauberis</i> KCTC 11537	BFiBa_Spau
<i>Streptococcus pasteurianus</i> ATCC 43144	BFiBa_Spas
<i>Streptococcus pneumoniae</i> P1031	Removed: Pathogen
<i>Streptococcus pseudopneumoniae</i> IS7493	BFiBa_Spso
<i>Streptococcus pyogenes</i> str. <i>Manfredo</i>	Removed: Pathogen
<i>Streptococcus salivarius</i> 57.I	Removed: Pathogen
<i>Streptococcus sanguinis</i> SK36	Removed: Pathogen
<i>Streptococcus suis</i> P1/7	Removed: Pathogen
<i>Streptococcus thermophilus</i> LMD-9	Removed: Pathogen
<i>Streptococcus uberis</i> 0140J	Removed: Pathogen
<i>Streptomyces avermitilis</i> MA-4680	BACAc_Save
<i>Streptomyces bingchengensis</i> BCW-1	BACAc_Sbin
<i>Streptomyces cattleya</i> NRRL 8057 = DSM 46488	BACAc_Scat
<i>Streptomyces coelicolor</i> A3(2)	BACAc_Scoe
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Taxa	Abbreviation
<i>Streptomyces flavogriseus</i> ATCC 33331	BACAc_Sfla
<i>Streptomyces griseus</i> subsp. <i>griseus</i> NBRC 13350	BACAc_Sgri
<i>Streptomyces hygroscopicus</i> subsp. <i>jinggangensis</i> 5008	BACAc_Shyg
<i>Streptomyces scabiei</i> 87.22	Removed: Pathogen
<i>Streptomyces</i> sp. SirexAA-E	BACAc_Stre
<i>Streptomyces violaceusniger</i> Tu 4113	BACAc_Svio
<i>Streptosporangium roseum</i> DSM 43021	BACAc_Sros
<i>Strongylocentrotus purpuratus</i>	EMeEc_Spur
<i>Sulfobacillus acidophilus</i> DSM 10332	BFiCl_Saci
<i>Sulfolobus acidocaldarius</i> DSM 639	ACrTh_Saci
<i>Sulfolobus islandicus</i> Y.N.15.51	ACrTh_Sisl
<i>Sulfolobus solfataricus</i> P2	ACrTh_Ssol
<i>Sulfolobus tokodaii</i> str. 7	ACrTh_Stok
<i>Sulfuricurvum kujiense</i> DSM 16994	BPrde_Skuj
<i>Sulfurihydrogenibium azorense</i> Az-Fu1	BAqAq_Sazo
<i>Sulfurihydrogenibium</i> sp. YO3AOP1	BAqAq_Sulf
<i>Sulfurimonas autotrophica</i> DSM 16294	BPrde_Saut
<i>Sulfurimonas denitrificans</i> DSM 1251	BPrde_Sden
<i>Sulfurospirillum barnesii</i> SES-3	BPrde_Sbar
<i>Sulfurospirillum deleyianum</i> DSM 6946	BPrde_Sdel
<i>Sulfurovum</i> sp. <i>NBC37-1</i>	Removed: Pathogen
<i>Sus scrofa</i>	EOPMe_Sscr
<i>Symbiobacterium thermophilum</i> IAM 14863	BFiCl_Sthe
<i>Synechococcus elongatus</i> PCC 7942	BCyCh_Selo
<i>Synechococcus</i> sp. <i>CC9311</i>	Removed: Pathogen
<i>Synechocystis</i> sp. PCC 6803	BCyCh_Syne
<i>Syntrophobacter fumaroxidans</i> MPOB	Removed: Pathogen
<i>Syntrophobotulus glycolicus</i> DSM 8271	BFiCl_Sgly
<i>Syntrophomonas wolfei</i> subsp. <i>wolfei</i> str. Goettingen	BFiCl_Swol
<i>Syntrophothermus lipocalidus</i> DSM 12680	BFiCl_Slip
<i>Syntrophus aciditrophicus</i> SB	BPrde_Saci
<i>Taeniopygia guttata</i>	EOPMe_Tgut
<i>Takifugu rubripes</i>	EOPMe_Trub
<i>Talaromyces marneffeii</i> ATCC 18224	Removed: Pathogen
<i>Tannerella forsythia</i> ATCC 43037	Removed: Pathogen
<i>Tarsius syrichta</i>	EOPMe_Tsyr
Taylorella asinigenitalis MCE3	Removed
Taylorella equigenitalis MCE9	Removed
<i>Tepidanaerobacter acetatoxydans</i> Re1	BFiCl_Tace
<i>Teredinibacter turnerae</i> T7901	BPrGa_Ttur
<i>Terriglobus roseus</i> DSM 18391	BFiAc_Tros
<i>Terriglobus saanensis</i> SP1PR4	BFiAc_Tsaa
<i>Tetragenococcus halophilus</i> NBRC 12172	BFiBa_Thal
<i>Tetrahymena thermophila</i> SB210	EAlCi_Tthe
<i>Tetranychus urticae</i>	EOPMe_Turt
<i>Tetraodon nigroviridis</i>	EOPMe_Tnig
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Taxa	Abbreviation
Thalassiosira pseudonana CCMP1335	EstBa_Tpse
Thauera sp. MZ1T	BPrBe_Thau
Thecamonas trahens ATCC 50062	EApAp_Ttra
Theileria annulata	Removed
Theileria parva	Removed
Theobroma cacao	EViSt_Tcac
Thermaerobacter marianensis DSM 12885	BFiCl_Tmar
Thermanaerovibrio acidaminovorans DSM 6589	BSySy_Taci
Thermincola potens JR	BFiCl_Tpot
Thermoanaerobacter brockii subsp. finnis Ako-1	BFiCl_Tbro
Thermoanaerobacter italicus Ab9	BFiCl_Tita
Thermoanaerobacter mathranii subsp. mathranii str. A3	BFiCl_Tmat
Thermoanaerobacter pseudethanolicus ATCC 33223	BFiCl_Tpse
Thermoanaerobacter sp. X514	BFiCl_Ther
Thermoanaerobacter tengcongensis MB4	BFiCl_Tten
Thermoanaerobacter wiegelii Rt8.B1	BFiCl_Twie
Thermoanaerobacterium thermosaccharolyticum DSM 571	BFiCl_Tthe
Thermoanaerobacterium xylanolyticum LX-11	BFiCl_Txyl
Thermobaculum terrenum ATCC BAA-798	BunTh_Tter
<i>Thermobifida fusca</i> YX	Removed: Pathogen
Thermobispora bisporea DSM 43833	BACAc_Tbis
Thermococcus barophilus MP	AEuTh_Tbar
Thermococcus gammatolerans EJ3	AEuTh_Tgam
Thermococcus kodakarensis KOD1	AEuTh_Tkod
Thermococcus onnurineus NA1	AEuTh_Tonn
Thermococcus sibiricus MM 739	AEuTh_Tsib
Thermococcus sp. 4557	AEuTh_Ther
Thermocrinis albus DSM 14484	BAqAq_Talb
Thermodesulfatator indicus DSM 15286	BThTh_Tind
Thermodesulfobacterium geofontis OPF15	BThTh_Ther
Thermodesulfobium narugense DSM 14796	BFiCl_Tnar
Thermodesulfovibrio yellowstonii DSM 11347	BNiNi_Tyel
<i>Thermofilum pendens</i> Hrk 5	Removed: Pathogen
Thermogladius cellulolyticus 1633	ACrTh_Tcel
Thermomicrobium roseum DSM 5159	BChTh_Tros
Thermomonospora curvata DSM 43183	BACAc_Tcur
Thermoplasma acidophilum DSM 1728	AEuTh_Taci
Thermoplasma volcanium GSS1	AEuTh_Tvol
Thermoproteus tenax Kra 1	ACrTh_Tten
Thermoproteus uzoniensis 768-20	ACrTh_Tuzo
Thermosediminibacter oceani DSM 16646	BFiCl_Toce
Thermosipho africanus TCF52B	BThTh_Tafr
Thermosipho melanesiensis BI429	BThTh_Tmel
Thermosphaera aggregans DSM 11486	ACrTh_Tagg
Thermosynechococcus elongatus BP-1	BCyCh_Telo
Thermotoga lettingae TMO	BThTh_Tlet

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Taxa	Abbreviation
Thermotoga maritima MSB8	BThTh_Tmar
Thermotoga naphthophila RKU-10	BThTh_Tnap
Thermotoga neapolitana DSM 4359	BThTh_Tnea
<i>Thermotoga petrophila</i> RKU-1	Removed: Pathogen
Thermotoga sp. RQ2	BThTh_Thet
Thermotoga thermarum DSM 5069	BThTh_Tthe
Thermovibrio ammonificans HB-1	BAqAq_Tamm
Thermovirga lienii DSM 17291	BSySy_Tlie
Thermus scotoductus SA-01	BDeDe_Tsco
Thermus sp. CCB_US3_UF1	BDeDe_Ther
Thermus thermophilus HB27	BDeDe_Tthe
Thielavia terrestris NRRL 8126	EFuDi_Tter
Thioalkalimicrobium cyclicum ALM1	BPrGa_Tcyc
Thioalkalivibrio sp. K90mix	BPrGa_Thio
Thioalkalivibrio sulfidophilus HL-EbGr7	BPrGa_Tsul
Thiobacillus denitrificans ATCC 25259	BPrBe_Tden
Thiocystis violascens DSM 198	BPrGa_Tvio
Thiomicrospira crunogena XCL-2	BPrGa_Tcru
Thiomonas intermedia K12	BPrBe_Tint
Tistrella mobilis KA081020-065	BPrAl_Tmob
Tolumonas auensis DSM 9187	BPrGa_Taue
Toxoplasma gondii GT1	EAlAp_Tgon
Toxoplasma gondii ME49	EAlAp_TgoM
Toxoplasma gondii VEG	EAlAp_TgoV
Trametes versicolor FP-101664 SS1	EFuDi_Tver
Tremella mesenterica	EFuDi_Tmes
Treponema azotonutricium ZAS-9	BSpSp_Tazo
Treponema brennaborensense DSM 12168	BSpSp_Tbre
<i>Treponema denticola</i> ATCC 35405	Removed: Pathogen
<i>Treponema pallidum</i> subsp. <i>pallidum</i> SS14	Removed: Pathogen
<i>Treponema paraluis-cuniculi</i> Cuniculi A	Removed: Pathogen
Treponema primitia ZAS-2	BSpSp_Tpri
Treponema succinifaciens DSM 2489	BSpSp_Tsuc
Tribolium castaneum	EMeAr_Tcas
Trichoderma atroviride	EFuDi_Tatr
Trichoderma reesei QM6a	EFuAs_Tree
Trichoderma virens Gv29-8	EFuDi_Tvir
<i>Trichodesmium erythraeum</i> IMS101	Removed: Pathogen
Trichomonas vaginalis	EPaTr_Tvag
Trichophyton equinum CBS 127.97	EFuDi_Tequ
Trichophyton rubrum CBS 118892	EFuDi_Trub
Trichophyton tonsurans CBS 112818	EFuDi_Tton
Trichophyton verrucosum HKI 0517	EFuDi_Tveu
Trichoplax adhaerens	EMePl_Tadh
<i>Tropheryma whipplei</i> TW08/27	Removed: Pathogen
Truepera radiovictrix DSM 17093	BDeDe_Trad
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Taxa	Abbreviation
<i>Trypanosoma brucei</i> TREU927	Removed: Pathogen
<i>Trypanosoma brucei</i> gambiense	EEuKi_Tbru
<i>Trypanosoma congolense</i>	EEuKi_Tcon
<i>Trypanosoma cruzi</i> strain CL Brener	Removed: Pathogen
<i>Trypanosoma vivax</i>	EEuKi_Tviv
<i>Tsukamurella paurometabola</i> DSM 20162	BACAc_Tpau
<i>Tuber melanosporum</i>	EFuDi_Tmel
<i>Tupaia belangeri</i>	EOPMe_Tbel
<i>Turneriella parva</i> DSM 21527	BSPSp_Tpar
<i>Tursiops truncatus</i>	EOPMe_Ttru
<i>Uncinocarpus reesii</i> 1704	Removed: Pathogen
<i>Ureaplasma parvum</i> serovar 3 str. ATCC 27815	Removed: Pathogen
<i>Ureaplasma urealyticum</i> serovar 10 str. ATCC 33699	Removed: Pathogen
<i>Ustilago maydis</i>	EFuBa_Umay
<i>Vanderwaltozyma polyspora</i> DSM 70294	EFuDi_Vpol
<i>Variovorax paradoxus</i> S110	BPrBe_Vpar
<i>Veillonella parvula</i> DSM 2008	Removed: Pathogen
<i>Verminephrobacter eiseniae</i> EF01-2	Removed: Pathogen
<i>Verrucospora maris</i> AB-18-032	BACAc_Vmar
<i>Verticillium albo-atrum</i> VaMs.102	Removed: Pathogen
<i>Verticillium dahliae</i> VdLs.17	Removed: Pathogen
<i>Vibrio anguillarum</i> 775	BPrGa_Vang
<i>Vibrio cholerae</i> O395	Removed: Pathogen
<i>Vibrio fischeri</i> MJ11	BPrGa_Vfis
<i>Vibrio furnissii</i> NCTC 11218	BPrGa_Vfur
<i>Vibrio harveyi</i> ATCC BAA-1116	Removed: Pathogen
<i>Vibrio parahaemolyticus</i> RIMD 2210633	Removed: Pathogen
<i>Vibrio</i> sp. Ex25	BPrGa_Vibr
<i>Vibrio splendidus</i> LGP32	Removed: Pathogen
<i>Vibrio vulnificus</i> MO6-24/O	Removed: Pathogen
<i>Vicugna pacos</i>	EOPMe_Vpac
<i>Vitis vinifera</i>	EViSt_Vvin
<i>Volvox carteri</i> f. nagariensis	EViCh_Vcar
<i>Vulcanisaeta distributa</i> DSM 14429	ACrTh_Vdis
<i>Vulcanisaeta moutnovskia</i> 768-28	ACrTh_Vmou
<i>Waddlia chondrophila</i> WSU 86-1044	BChCh_Wcho
<i>Wallemia sebi</i> CBS 633.66	EFuDi_Wseb
<i>Weeksella virosa</i> DSM 16922	BBaBa_Wvir
<i>Weissella koreensis</i> KACC 15510	BFiBa_Wkor
<i>Wickerhamomyces anomalus</i>	EFuDi_Wano
Wigglesworthia glossinidia endosymbiont of <i>Glossina brevipalpis</i>	Removed
Wolbachia endosymbiont of <i>Culex quinquefasciatus</i> Pel	Removed
Wolbachia sp. wRi	Removed
<i>Wolfiporia cocos</i> MD-104 SS10	EFuDi_Wcoc
<i>Wolinella succinogenes</i> DSM 1740	Removed: Pathogen

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Taxa	Abbreviation
<i>Xanthobacter autotrophicus</i> Py2	BPrAl_Xaut
<i>Xanthomonas albilineans</i> GPE PC73	Removed: Pathogen
<i>Xanthomonas axonopodis</i> pv. <i>citri</i> str. 306	Removed: Pathogen
<i>Xanthomonas campestris</i> pv. <i>campestris</i> str. B100	Removed: Pathogen
<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> PXO99A	Removed: Pathogen
<i>Xenopus</i> (Silurana) <i>tropicalis</i>	EOpMe_Xtro
<i>Xenopus laevis</i>	EMeCh_Xlae
<i>Xenorhabdus bovienii</i> SS-2004	Removed: Pathogen
<i>Xenorhabdus nematophila</i> ATCC 19061	Removed: Pathogen
<i>Xylanimonas cellulossilytica</i> DSM 15894	BAcAc_Xcel
<i>Xylella fastidiosa</i> M23	Removed: Pathogen
<i>Yarrowia lipolytica</i> CLIB122	EFuAs_Ylip
<i>Yersinia enterocolitica</i> subsp. <i>enterocolitica</i> 8081	Removed: Pathogen
<i>Yersinia pestis</i> <i>Pestoides</i> F	Removed: Pathogen
<i>Yersinia pseudotuberculosis</i> IP 31758	Removed: Pathogen
<i>Zea mays</i> subsp. <i>mays</i>	EViSt_Zmay
<i>Zobellia galactanivorans</i>	BBaBa_Zgal
<i>Zunongwangia profunda</i> SM-A87	BBaBa_Zpro
<i>Zygosaccharomyces rouxii</i>	EFuDi_Zrou
<i>Zymomonas mobilis</i> subsp. <i>mobilis</i> NCIMB 11163	BPrAl_Zmob
<i>Zymoseptoria tritici</i> IPO323	Removed: Pathogen
<i>Cellvibrio gilvus</i> ATCC 13127	BAcAc_Cgil
cyanobacterium UCYN-A	BCyCh_cUCY
gamma proteobacterium HdN1	BPrGa_gpro
halophilic archaeon DL31	Aunun_harc
secondary endosymbiont of <i>Ctenarytaina eucalypti</i>	Removed
uncultured Termite group 1 bacterium phylotype Rs-D17	BElen_uTer