- 1 Table S9 List of genomes for contamination check
- 2 Acanthamoeba castellanii
- 3 Aplanochytrium kerguelense
- 4 Arabidopsis thaliana
- 5 Aurantiochytrium limacinum
- 6 Batrachochytrium dendrobatidis
- 7 Bigelowiella natans
- 8 Blastocystis hominis
- 9 Bodo saltans
- 10 Caenorhabditis elegans
- 11 Capsaspora owczarzaki
- 12 Chlamydomonas reinhardtii
- 13 Chondrus crispus
- 14 Chromera velia
- 15 Ciona intestinalis
- 16 Cryptococcus neoformans
- 17 Cryptosporidium parvum
- 18 Cyanidioschyzon merolae
- 19 Cyanophora paradoxa
- 20 Dictyostelium discoideum
- 21 Drosophila melanogaster
- 22 Ectocarpus siliculosus
- 23 Emiliania huxleyi
- 24 Entamoeba histolytica
- 25 Fonticula alba
- 26 Giardia intestinalis
- 27 Guillardia theta
- 28 Homo sapiens
- 29 Hyaloperonospora arabidopsidis
- 30 Klebsormidium flaccidum
- 31 Laccaria bicolor

- 32 Mastigamoeba balamuthi
- 33 Monocercomonoides sp.
- 34 Monosiga brevicollis
- 35 Mortierella verticillata
- 36 Mus musculus
- 37 Naegleria gruberi
- 38 Nannochloropsis gaditana
- 39 Neurospora crassa
- 40 Ostreococcus lucimarinus
- 41 Perkinsus marinus
- 42 Phaeodactylum tricornutum
- 43 Physcomitrella patens
- 44 Phytophthora ramorum
- 45 Plasmodium falciparum
- 46 Populus trichocarpa
- 47 Porphyridium purpureum
- 48 Reticulomyxa filosa
- 49 Rhizophagus irregularis
- 50 Rozella allomycis
- 51 Saccharomyces cerevisiae
- 52 Salpingoeca rosetta
- 53 Schizosaccharomyces pombe
- 54 Sphaeroforma arctica
- 55 Symbiodinium minutum
- 56 Takifugu rubripes
- 57 Tetrahymena thermophila
- 58 Thalassiosira pseudonana
- 59 Thecamonas trahens
- 60 Toxoplasma gondii
- 61 Trichomonas vaginalis
- 62 Trichoplax adhaerens

- 63 Trypanosoma brucei
- 64 Tuber melanosporum
- 65 Ustilago maydis
- 66 Vitrella brassicaformis
- 67 Acidianus hospitalis W1
- 68 Acidilobus saccharovorans 345-15
- 69 Aciduliprofundum boonei T469
- 70 Aeropyrum pernix K1
- 71 Archaeoglobus fulgidus DSM 4304
- 72 archaeon Loki
- 73 Caldisphaera lagunensis DSM 15908
- 74 Caldivirga maquilingensis IC-167
- 75 Candidatus Caldiarchaeum subterraneum
- 76 Candidatus Korarchaeum cryptofilum OPF8
- 77 Candidatus Micrarchaeum acidiphilum ARMAN-2
- 78 Candidatus Nanosalina sp. J07AB43
- 79 Candidatus Nanosalinarum sp. J07AB56
- 80 Candidatus Nitrosopelagicus brevis
- 81 Candidatus Parvarchaeum acidophilus
- 82 Cenarchaeum symbiosum A
- 83 Desulfurococcus fermentans DSM 16532
- 84 Ferroglobus placidus DSM 10642
- 85 Ferroplasma acidarmanus fer1
- 86 Fervidicoccus fontis Kam940
- 87 Halalkalicoccus jeotgali B3
- 88 Haloarcula hispanica ATCC 33960
- 89 Halobacterium salinarum R1
- 90 Haloferax mediterranei ATCC 33500
- 91 Halogeometricum borinquense DSM 11551
- 92 Halomicrobium mukohataei DSM 12286
- 93 Halopiger xanaduensis SH-6

94	Haloquadratum walsbyi DSM 16790
95	Halorhabdus utahensis DSM 12940
96	Halorubrum lacusprofundi ATCC 49239
97	Haloterrigena turkmenica DSM 5511
98	Halovivax ruber XH-70
99	Hyperthermus butylicus DSM 5456
100	Ignicoccus hospitalis KIN4/I
101	Ignisphaera aggregans DSM 17230
102	Metallosphaera sedula DSM 5348
103	Methanobacterium formicicum DSM 3637
104	Methanobrevibacter ruminantium M1
105	Methanobrevibacter sp. AbM4
106	Methanocaldococcus fervens AG86
107	Methanocella conradii HZ254
108	Methanococcoides burtonii DSM 6242
109	Methanococcus maripaludis S2
110	Methanocorpusculum labreanum Z
111	Methanoculleus bourgensis MS2
112	Methanofollis liminatans DSM 4140
113	Methanohalobium evestigatum Z-7303
114	Methanohalophilus mahii DSM 5219
115	Methanolobus psychrophilus R15
116	Methanomethylovorans hollandica DSM 15978
117	Methanoplanus limicola DSM 2279
118	Methanopyrus kandleri AV19
119	Methanoregula formicicum SMSP
120	Methanosaeta thermophila PT
121	Methanosalsum zhilinae DSM 4017
122	Methanosarcina acetivorans C2A
123	Methanosphaera stadtmanae DSM 3091
124	Methanosphaerula palustris E1-9c

125	Methanospirillum hungatei JF-1
126	Methanothermobacter marburgensis str. Marburg
127	Methanothermococcus okinawensis IH1
128	Methanothermus fervidus DSM 2088
129	Methanotorris igneus Kol 5
130	Nanoarchaeum equitans Kin4-M
131	Natrialba magadii ATCC 43099
132	Natrinema pellirubrum DSM 15624
133	Natronobacterium gregoryi SP2
134	Natronococcus occultus SP4
135	Natronomonas pharaonis DSM 2160
136	Nitrosopumilus maritimus SCM1
137	Picrophilus torridus DSM 9790
138	Pyrobaculum arsenaticum DSM 13514
139	Pyrococcus yayanosii CH1
140	Pyrolobus fumarii 1A
141	Salinarchaeum sp. Harcht-Bsk1
142	Staphylothermus hellenicus DSM 12710
143	Sulfolobus islandicus M.14.25
144	Thermococcus barophilus MP
145	Thermofilum pendens Hrk 5
146	Thermogladius cellulolyticus 1633
147	Thermoplasma acidophilum DSM 1728
148	Thermoplasmatales archaeon BRNA1
149	Thermoproteus uzoniensis 768-20
150	Thermosphaera aggregans DSM 11486
151	Vulcanisaeta distributa DSM 14429
152	Agrobacterium fabrum str. C58
153	Amycolatopsis mediterranei U32
154	Aquifex aeolicus VF5
155	Azotobacter vinelandii CA

156	Azotobacter vinelandii DJ
157	Bacillus anthracis str. Ames
158	Bacillus anthracis str. Sterne
159	Bacillus cereus ATCC 14579
160	Bacillus subtilis subsp. subtilis str. 168
161	Bacillus thuringiensis serovar konkukian str. 97-27
162	Bacteroides thetaiotaomicron VPI-5482
163	Bifidobacterium longum NCC2705
164	Bordetella pertussis Tohama I
165	Borrelia burgdorferi B31
166	Bradyrhizobium diazoefficiens USDA 110
167	Burkholderia cenocepacia
168	Burkholderia dolosa
169	Burkholderia pseudomallei K96243
170	Campylobacter jejuni subsp. jejuni NCTC 11168 = ATCC 700819
171	Caulobacter crescentus CB15
172	Chlamydia trachomatis 434/Bu
173	Chlamydophila pneumoniae CWL029
174	Chlorobium tepidum TLS
175	Chloroflexus aurantiacus J-10-fl
176	Clostridium acetobutylicum ATCC 824
177	Clostridium botulinum A str. Hall
178	Clostridium difficile 630
179	Corynebacterium glutamicum ATCC 13032
180	Coxiella burnetii RSA 493
181	Deinococcus radiodurans R1
182	Desulfovibrio vulgaris str. Hildenborough
183	Dictyoglomus turgidum DSM 6724
184	Enterobacter cloacae subsp. cloacae ATCC 13047
185	Enterococcus faecalis V583
186	Escherichia coli IAI39

187	Escherichia coli O104 H4 str. 2011C-3493
188	Escherichia coli O157 H7 str. Sakai
189	Escherichia coli O83 H1 str. NRG 857C
190	Escherichia coli str. K-12 substr. MG1655
191	Escherichia coli UMN026
192	Flavobacterium psychrophilum JIP02/86
193	Francisella tularensis subsp. tularensis SCHU S4
194	Fusobacterium nucleatum subsp. nucleatum ATCC 25586
195	Geobacter sulfurreducens PCA
196	Gloeobacter violaceus PCC 7421
197	Haemophilus influenzae Rd KW20
198	Helicobacter pylori 26695
199	Ketogulonicigenium vulgare WSH-001
200	Klebsiella pneumoniae subsp. pneumoniae HS11286
201	Lactobacillus acidophilus NCFM
202	Lactobacillus plantarum WCFS1
203	Lactobacillus salivarius UCC118
204	Lactococcus lactis subsp. lactis II1403
205	Listeria monocytogenes EGD-e
206	Moorella thermoacetica ATCC 39073
207	Mycobacterium bovis AF2122/97
208	Mycobacterium leprae TN
209	Mycoplasma mycoides subsp. mycoides SC str. PG1
210	Pseudomonas aeruginosa PAO1
211	Rhodobacter sphaeroides 2.4.1
212	Rhodopirellula baltica SH 1
213	Rhodospirillum rubrum ATCC 11170
214	Rickettsia prowazekii str. Madrid E
215	Salinibacter ruber DSM 13855
216	Salmonella enterica subsp. enterica serovar Typhi str. CT18
217	Shewanella oneidensis MR-1

218	Shigella dysenteriae Sd197
219	Shigella flexneri 2a str. 301
220	Streptococcus pneumoniae R6
221	Streptococcus suis BM407
222	Thermanaerovibrio acidaminovorans DSM 6589
223	Thermodesulfovibrio yellowstonii DSM 11347
224	Thermosynechococcus elongatus BP-1
225	Thermotoga maritima MSB8
226	Vibrio cholerae O1 biovar El Tor str. N16961
227	Vibrio fischeri ES114
228	Xanthomonas campestris pv. campestris str. ATCC 33913
229	Yersinia enterocolitica subsp. enterocolitica 8081
230	Yersinia pestis CO92