183 50 25 23

Samples mostly conta by the species

38 53

5 26 4 84

2 95 1.68

1.26

1.05

0.84

0.84

0.42

0.21

0.21

0.21

0.21

0.21

0.21

0.21

0.21

0.21

0.21

0.21

0.21

0.21

0.21

0.21

0.21

Bacteria;Bacteroidota;Bacteroidia;Cytophagales;Microscillaceae;Hassallia;metagenome Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Tetrapoda; Mammalia; Homo sapiens Bacteria;Cyanobacteria;Cyanobacteriia;Chloroplast;seawater metagenome

Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Protostomia; Ecdysozoa; Arthropoda; Chelicerata; Arachnida; Acari; Lasioerythraeus sp. OSAL 0007511 Bacteria;Bacteroidota;Bacteroidia;Cytophagales;Microscillaceae;Ohtaekwangia;metagenome

Racteria Firmicutes Clostridia Pentostrentococcales Pentostrentococcaceae Clostridioides Clostridioides difficiles

Bacteria; Patescibacteria; Microgenomatia; Candidatus Levybacteria; Candidatus Levybacteria bacterium GW2011_GWC1_40_19 Bacteria;Bacteroidota;Bacteroidia;Flavobacteriales;Flavobacteriaceae;Flavivirga;Flavobacteriaceae bacterium TJD809 Eukaryota;SAR;Stramenopiles;Ochrophyta;Diatomea;Bacillariophytina;Bacillariophyceae;Placoneis;Placoneis hambergii

Eukaryota;SAR;Alveolata;Dinoflagellata;Dinophyceae;Peridiniphycidae;Gonyaulacales;Gonyaulax;uncultured dinoflagellate Eukaryota;SAR;Alveolata;Dinoflagellata;Dinophyceae;Gymnodiniphycidae;Amphidinium;uncultured eukaryote $Eukaryota; Archae plastida; Chloroplastida; Charophyta; Phragmoplastophyta; Pinus \ taeda$ Eukaryota;Archaeplastida;Chloroplastida;Charophyta;Phragmoplastophyta;Picea abies Eukaryota;Archaeplastida;Chloroplastida;Charophyta;Phragmoplastophyta;Nicotiana sylvestris Eukaryota;Archaeplastida;Chloroplastida;Charophyta;Phragmoplastophyta;Brassica napus

Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Porifera; Demospongiae; Poecilosclerida; Crambe crambe

Eukaryota:SAR:Rhizaria:Retaria:Polycystinea:Collodaria:Thalassicolla:Thalassicolla pellucida

Eukaryota; Archaeplastida; Chloroplastida; Charophyta; Phragmoplastophyta; Alosa alos

Bacteria:Verrucomicrobiota:Verrucomicrobiae:Opitutales:Puniceicoccaceae:marine metagenome

Bacteria:Spirochaetota:Spirochaetia:Spirochaetales:Spirochaetaceae:Treponema:Clostridiales bacterium Firm 16 Bacteria; Proteobacteria; Gamma proteobacteria; Pseudomonadales; Spongii bacteraceae; uncultured gamma proteobacterium HF4000_36110

Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; uncultured bacterium Bacteria; Proteobacteria; Gamma proteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; metagenom

Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacterales; Enterobacteriaceae; Escherichia-Shigella; Escherichia coli

Bacteria:Proteobacteria:Alphaproteobacteria:Rhizobiales:Devosiaceae:Devosia:uncultured Alphaproteobacteria bacterium

Bacteria; Firmicutes; Clostridia; Peptostreptococcales-Tissierellales; Peptostreptococcaceae; Clostridioides; Clostridioides difficile

Bacteria; Acidobacteriota; Thermoanaerobaculia; Thermoanaerobaculales; Thermoanaerobaculaceae; Subgroup 10; uncultured bacterium

Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas; Sphingomonas koreensis Bacteria; Proteobacteria; Alpha proteobacteria; Rickettsiales; Mitochondria; museum specimen metagenome Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Mitochondria; Cryptomonas curvata

Bacteria: Proteobacteria: Gammaproteobacteria: Enterobacterales: Enterobacteriaceae: Enterobacter: Klebsiella so

Bacteria; Proteobacteria; Gamma proteobacteria; Coxiella les; Coxiella ceae; Coxiella; uncultured bacterium

Bacteria; Firmicutes; Bacilli; Staphylococcales; Staphylococcaceae; Staphylococcus; Staphylococcus aure Bacteria;Firmicutes;Bacilli;Mycoplasmatales;Mycoplasmataceae;Mycoplasma;uncultured sediment bacterium Bacteria:Firmicutes:Bacilli:Lactobacillales:Lactobacillaceae:Limosilactobacillus:Lactobacillus fermentum $Bacteria; Elusimic robiota; Endomic robia; Endomic robiales; Endomic robiaceae; Candidatus \ Endomic robium; uncultured \ bacterium; and the properties of the properties of$ Bacteria;Chloroflexi;Anaerolineae;Anaerolineales;Anaerolineaceae;Thermomarinilinea;uncultured bacter

Bacteria: Actinobacteriota: Actinobacteria: Micrococcales: Micrococcaceae: Rothia: Rothia mucilaginosa ATCC 25296 Bacteria; Actinobacteriota; Actinobacteria; Frankiales; Sporichthyaceae; hgcl clade; uncultured actinobacterium Bacteria; Actinobacteriota; Acidimicrobiia; Actinomarinales; uncultured; uncultured bacterium

Archaea;Halobacterota;Methanosarcinia;Methanosarciniales;Syntrophoarchaeaceae;uncultured archaeor

Bacteria; Proteobacteria; Alpha proteobacteria; Rhizobiales; DO5-2; metagenome Bacteria; Patescibacteria; Microgenomatia; Candidatus Gottesman bacteria; uncultured bacterium

Archaea;Asgardarchaeota;Lokiarchaeia;uncultured crenarchaeote

Bacteria; Proteobacteria; Gamma proteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas linyingensis Bacteria: Proteobacteria: Gammaproteobacteria: Pseudomonadales: Moraxellaceae: Moraxella: Moraxella catarrhalis Bacteria:Proteobacteria:Gammaproteobacteria:Pseudomonadales:Moraxellaceae:Acinetobacter:Acinetobacter sp. AR2-3

Bacteria; Proteobacteria; Gamma proteobacteria; Enterobacterales; Morganellaceae; endos ymbionts; gamma proteobacterium symbiont of Odoi porus longicollis

Eukarvota: Amorohea: Obazoa: Opisthokonta: Holozoa: Choanozoa: Metazoa: Animalia: BCP clade: Bilateria: Protostomia: Ecdysozoa: Arthropoda: Chelicerata: Arachnida: Araneae: Leucauge bland. Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Callithrix jacchus

Eukaryota;Amorphea;Obazoa;Opisthokonta;Nucletmycea;Fungi;Dikarya;Basidiomycota;Agaricomycotina;Tremellomycetes;Filobasidiales;Filobasidiaceae;Heterocephalacria;uncultured Tremellaceae

Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Protostomia; Lophotrochozoa; Mollusca; Gastropoda; Diaulula sandieger

Eukaryota;Amorphea;Obazoa;Opisthokonta;Holozoa;Choanozoa;Metazoa;Animalia;BCP clade;Bilateria;Protostomia;Lophotrochozoa;Platyhelminthes;Rhabditophora;Seriata;Tricladida;Maricola;Ectoplana limuli Eukaryota;Amorphea;Obazoa;Opisthokonta;Holozoa;Choanozoa;Metazoa;Animalia;BCP clade;Bilateria;Protostomia;Lophotrochozoa;Platyhelminthes;Cestoda;Eucestoda;Cyclophyllidea;Raillietina mitchelli Eukaryota;Amorphea;Obazoa;Opisthokonta;Holozoa;Choanozoa;Metazoa;Animalia;BCP clade;Bilateria;Protostomia;Lophotrochozoa;Platyhelminthes;Cestoda;Eucestoda;Cyclophyllidea;Hymenolepis nana

Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Protostomia; Ecdysozoa; Nematozoa; Nematozoa; Nematoda; Enoplea; Dorylaimia; Trichocephalida; Trichinella murrelli

Eukaryota;Amorphea;Obazoa;Opisthokonta;Holozoa;Choanozoa;Metazoa;Animalia;BCP clade;Bilateria;Deuterostomia;Chordata;Vertebrata;Gnathostomata;Euteleostomi;Tetrapoda;Mammalia;Monodelphis domestica Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi, Tetrapoda; Mammalia; Malaclemys terrapin terrapin Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP; Clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata: Euteleostomi: Tetrapoda: Aves: Gallus; gallus

Eukaryota: Amorohea: Obazoa: Opisthokonta: Holozoa: Choanozoa: Metazoa: Animalia: BCP clade: Bilateria: Protostomia: Ecdysozoa: Nematozoa: Nematozoa: Nematozoa: Dorvlaimia: Trichinella pseudospiralis Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Protostomia; Ecdysozoa; Arthropoda; Chelicerata; Arachnida; Opiliones; Cimex hemipterus

Eukarvota: Amorohea: Obazoa: Opisthokonta: Holozoa: Choanozoa: Metazoa: Animalia: BCP clade: Bilateria: Deuterostomia: Chordata: Vertebrata: Gnathostomata: Euteleostomi: Orvctolagus cuniculus Eukaryota: Amorphea: Obazoa: Opisthokonta: Holozoa: Choanozoa: Metazoa: Animalia: BCP clade: Bilateria: Deuterostomia: Chordata: Vertebrata: Gnathostomata: Euteleostomi: Lates calcarifer Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Homo sapiens

Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Gorilla gorilla gorilla

Bacteria:Firmicutes:Bacilli:Lactobacillales:Lactobacillaceae:Weissella:Weissella viridescens

Eukaryota;Amorphea;Obazoa;Opisthokonta;Holozoa;Choanozoa;Metazoa;Animalia;BCP clade;Bilateria;Deuterostomia;Chordata;Vertebrata;Gnathostomata;Euteleostomi;Actinopterygii;Neopterygii;Teleostei;Salmo salar Eukaryota;Amorphea;Obazoa;Opisthokonta;Holozoa;Choanozoa;Metazoa;Animalia;BCP clade;Bilateria;Protostomia;Ecdysozoa;Arthropoda;Crustacea;Malacostraca;Eumalacostraca;Peracarida;Proasellus parvulus

Eukaryota; Archaeplastida; Chloroplastida; Charophyta; Phragmoplastophyta; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Fabales; Vigna; V 0.84

Bacteria Proteobacteria Gammanroteobacteria Xanthomonadales Xanthomonadaceae Stenotronhomonas (Pseudomonas) geniculata Bacteria; Proteobacteria; Alpha proteobacteria; Rickettsiales; Mitochondria; Nicotiana tabacum Bacteria:Cvanobacteria:Cvanobacteriia:Chloroplast:Caulerpa verticillata Eukaryota; SAR; Rhizaria; Retaria; Polycystinea; Collodaria; Thalassicolla; Thalassicolla nucleataEukaryota;Archaeplastida;Chloroplastida;Charophyta;Phragmoplastophyta;Betula pendu

0.84 0.63 0.63 Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Protostomia; Ecdysozoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Coleoptera; Coleoptera; Omus californicus Bacteria: Proteobacteria: Gammaoroteobacteria: Enterobacterales: Pasteurellaceae: Haemophilus: uncultured bacterium

Bacteria;Bacteroidota;Bacteroidia;Bacteroidales;Rikenellaceae;Rikenellaceae RC9 gut group;Bacteroidia bacterium feline oral taxon 115

Contaminant species taxonomy

0.42 Eukaryota;SAR;Rhizaria;Retaria;Polycystinea;Collodaria;Collosphaera;Collosphaera tuberosa

0.42 Fukaryota:SAR:Alveolata:Cilionhora:Intramacronucleata:Asellus aquaticus

Eukaryota;Archaeplastida;Chloroplastida;Charophyta;Phragmoplastophyta;Streptophyta;Embryophyta;Tracheophyta;Spermatophyta;Magnoliophyta;Brassicales;Brassica juncea var. tumidaevar. tumid

Eukaryota;Amorphea;Obazoa;Opisthokonta;Nucletmycea;Fungi;Dikarya;Ascomycota;Saccharomycotina;Saccharomycetes;Saccharomycetales;synthetic construct 0.42 Eukaryota; Amorphea; Obazoa; Opisthokonta; Nucletmycea; Fungi; Dikarya; Ascomycota; Saccharomycotina; Saccharomycetes; Saccharomycetales; Incertae Sedis; Kuraishia; Kuraishia; Kuraishia borneana Saccharomycetales; Opisthokonta; Nucletmycea; Pungi; Dikarya; Ascomycota; Saccharomyceteis; Saccharomycetales; Incertae Sedis; Kuraishia; Kuraishia; Kuraishia; Saccharomycetales; Opisthokonta; Nucletmycea; Pungi; Dikarya; Opisthokonta; Opisthokonta;Eukaryota; Amorphea; Obazoa; Opisthokonta; Nucletmycea; Fungi; Dikarya; Ascomycota; Pezizomycotina; Sordariomycetes; metagenome and the properties of the

0.42 0.42 Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Protostomia; Lophotrochozoa; Annelida; Polychaeta; Palpata; Phyllodocida; Pisione hartmannschroederae Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Protostomia; Ecdysozoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Amphiesmenoptera; Lepidoptera; Ptyssoptera sp. AB-2015

0.42