

Supplementary Table 2 Frequency and taxonomy of the most contaminant species in the examined RNA-seq samples.

Samples mostly contaminated by the species		Contaminant species taxonomy
Number of samples	Percentage of samples	
135	49.451	Bacteria; Firmicutes; Clostridia; Peptostreptococcales; Peptostreptococcaceae; Clostridioides; Clostridioides difficile
51	18.681	Bacteria; Bacteroidota; Bacteroidia; Cytophagales; Microscillaceae; Hassallia; metagenome
32	11.722	Bacteria; Firmicutes; Bacilli; Lactobacillales; Lactobacillaceae; Weissella; Weissella viridescens
26	9.524	Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Tetrapoda; Mammalia; Homo sapiens
10	3.663	Bacteria; Bacteroidota; Bacteroidia; Cytophagales; Microscillaceae; Ohtaekwangia; metagenome
2	0.733	Eukaryota; Archaeplastida; Chloroplastida; Charophyta; Phragmoplastophyta; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Brassicales; Brassica; Brassica juncea var. tumida
2	0.733	Eukaryota; Amorphea; Obazoa; Opisthokonta; Nucletmycea; Fungi; Dikarya; Ascomycota; Saccharomycotina; Saccharomycetes; Saccharomycetales; synthetic construct
2	0.733	Eukaryota; Amorphea; Obazoa; Opisthokonta; Nucletmycea; Fungi; Dikarya; Ascomycota; Pezizomycotina; Sordariomycetes; metagenome
2	0.733	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Stenotrophomonas; [Pseudomonas] geniculata
1	0.366	Eukaryota; Archaeplastida; Chloroplastida; Charophyta; Phragmoplastophyta; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Caryophyllales; Limonium; Limonium bicolor
1	0.366	Eukaryota; Archaeplastida; Chloroplastida; Charophyta; Phragmoplastophyta; Alosa alosa
1	0.366	Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Protostomia; Lophotrochozoa; Platyhelminthes; Cestoda; Eucestoda; Cyclophyllidea; Raillietina mitchelli
1	0.366	Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Tetrapoda; Mammalia; Monodelphis domestica
1	0.366	Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Tetrapoda; Mammalia; Malaclemys terrapin terrapin
1	0.366	Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Tetrapoda; Mammalia; Ensifer sp. CCBAU 251167
1	0.366	Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Tetrapoda; Aves; Gallus gallus
1	0.366	Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Gorilla gorilla gorilla
1	0.366	Eukaryota; Amorphea; Obazoa; Opisthokonta; Holozoa; Choanozoa; Metazoa; Animalia; BCP clade; Bilateria; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Euteleostomi; Callithrix jacchus
1	0.366	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas sp. bs2935
1	0.366	Bacteria; Actinobacteriota; Actinobacteria; Micrococcales; Micrococcaceae; Rothia; Rothia mucilaginosa ATCC 25296