|  |  |  |  |
| --- | --- | --- | --- |
|  | **Extraction blanks** | **PCR blanks** |  |
| **Greengenes taxonomy** | **n** | **Max %** | **Mean %** | **n** | **Max %** | **Mean %** | **Total n blanks** |
| k\_\_Bacteria;p\_\_Bacteroidetes;c\_\_Flavobacteriia;o\_\_Flavobacteriales;f\_\_[Weeksellaceae];g\_\_Chryseobacterium;s\_\_ | 8 | 25.54 | 8.53 | 3 | 25.45 | 7.43 | 11 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Caulobacterales;f\_\_Caulobacteraceae;g\_\_Brevundimonas;s\_\_vesicularis | 7 | 51.70 | 15.70 | 3 | 20.45 | 10.07 | 10 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhodobacterales;f\_\_Rhodobacteraceae;g\_\_Paracoccus;\_\_ | 7 | 34.99 | 12.01 | 3 | 26.01 | 14.21 | 10 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Caulobacterales;f\_\_Caulobacteraceae;g\_\_Phenylobacterium;s\_\_ | 7 | 66.01 | 13.58 | 2 | 42.70 | 13.17 | 9 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Caulobacterales;f\_\_Caulobacteraceae;\_\_;\_\_ | 5 | 2.95 | 0.48 | 3 | 2.02 | 0.73 | 8 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Betaproteobacteria;o\_\_Burkholderiales;f\_\_Comamonadaceae;\_\_;\_\_ | 7 | 8.91 | 2.01 | 1 | 0.24 | 0.05 | 8 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Deltaproteobacteria;o\_\_Myxococcales;f\_\_0319-6G20;g\_\_;s\_\_ | 5 | 15.32 | 2.92 | 3 | 14.47 | 7.27 | 8 |
| k\_\_Bacteria;p\_\_Cyanobacteria;c\_\_4C0d-2;o\_\_MLE1-12;f\_\_;g\_\_;s\_\_ | 5 | 61.84 | 13.19 | 2 | 52.59 | 16.54 | 7 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhizobiales;f\_\_Rhizobiaceae;g\_\_Agrobacterium;s\_\_ | 5 | 15.52 | 1.51 | 2 | 5.63 | 1.46 | 7 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhizobiales;f\_\_Bradyrhizobiaceae;g\_\_Bosea;s\_\_genosp. | 4 | 13.34 | 1.41 | 2 | 1.84 | 0.48 | 6 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhodobacterales;f\_\_Rhodobacteraceae;g\_\_Paracoccus;s\_\_marcusii | 4 | 11.17 | 1.90 | 2 | 4.01 | 1.09 | 6 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Sphingomonadales;f\_\_Sphingomonadaceae;g\_\_Sphingomonas;\_\_ | 3 | 27.87 | 2.90 | 2 | 18.99 | 4.99 | 5 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Sphingomonadales;f\_\_Sphingomonadaceae;g\_\_Sphingomonas;s\_\_ | 4 | 2.29 | 0.36 | 1 | 0.75 | 0.15 | 5 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Sphingomonadales;f\_\_Sphingomonadaceae;g\_\_Sphingomonas;s\_\_echinoides | 4 | 20.93 | 3.48 | 1 | 0.01 | 0.00 | 5 |
| k\_\_Bacteria;p\_\_Actinobacteria;c\_\_Actinobacteria;o\_\_Actinomycetales;f\_\_Micrococcaceae;g\_\_Micrococcus;\_\_ | 3 | 10.68 | 1.84 | 1 | 3.93 | 0.79 | 4 |
| k\_\_Bacteria;p\_\_Bacteroidetes;c\_\_Flavobacteriia;o\_\_Flavobacteriales;f\_\_[Weeksellaceae];g\_\_Cloacibacterium;s\_\_ | 1 | 4.92 | 0.41 | 2 | 12.99 | 3.65 | 3 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Bacilli;o\_\_Bacillales;f\_\_Staphylococcaceae;g\_\_Staphylococcus;\_\_ | 3 | 3.24 | 0.33 | 0 | 0.00 | 0.00 | 3 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhodobacterales;f\_\_Rhodobacteraceae;g\_\_Paracoccus;s\_\_aminovorans | 2 | 2.97 | 0.25 | 1 | 10.42 | 2.08 | 3 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Betaproteobacteria;o\_\_Burkholderiales;f\_\_Comamonadaceae;g\_\_Comamonas;s\_\_ | 2 | 1.70 | 0.14 | 1 | 0.01 | 0.00 | 3 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Betaproteobacteria;o\_\_Rhodocyclales;f\_\_Rhodocyclaceae;g\_\_Hydrogenophilus;s\_\_ | 2 | 8.84 | 1.02 | 1 | 1.43 | 0.29 | 3 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Bacilli;o\_\_Bacillales;f\_\_Bacillaceae;\_\_;\_\_ | 1 | 0.09 | 0.01 | 1 | 0.17 | 0.03 | 2 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Bacilli;o\_\_Bacillales;f\_\_Bacillaceae;g\_\_Geobacillus;s\_\_ | 1 | 22.09 | 1.84 | 1 | 6.27 | 1.25 | 2 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Clostridia;o\_\_Clostridiales;f\_\_[Tissierellaceae];g\_\_WAL\_1855D;s\_\_ | 2 | 9.97 | 0.87 | 0 | 0.00 | 0.00 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Caulobacterales;f\_\_Caulobacteraceae;g\_\_Brevundimonas;s\_\_diminuta | 2 | 1.73 | 0.19 | 0 | 0.00 | 0.00 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhizobiales;f\_\_Methylobacteriaceae;g\_\_Methylobacterium;s\_\_adhaesivum | 1 | 2.47 | 0.21 | 1 | 1.18 | 0.24 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhodospirillales;f\_\_Rhodospirillaceae;g\_\_Azospirillum;s\_\_irakense | 1 | 5.29 | 0.44 | 1 | 2.06 | 0.41 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Betaproteobacteria;o\_\_Burkholderiales;f\_\_Comamonadaceae;g\_\_Acidovorax;\_\_ | 1 | 0.92 | 0.08 | 1 | 1.32 | 0.26 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Deltaproteobacteria;o\_\_Bdellovibrionales;f\_\_Bacteriovoracaceae;g\_\_;s\_\_ | 1 | 1.62 | 0.13 | 1 | 1.41 | 0.28 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Pseudomonadales;f\_\_Moraxellaceae;g\_\_Acinetobacter;\_\_ | 1 | 8.96 | 0.75 | 1 | 1.81 | 0.36 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Pseudomonadales;f\_\_Moraxellaceae;g\_\_Acinetobacter;s\_\_ | 1 | 0.02 | 0.00 | 1 | 2.59 | 0.52 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Pseudomonadales;f\_\_Moraxellaceae;g\_\_Enhydrobacter;s\_\_ | 2 | 3.23 | 0.43 | 0 | 0.00 | 0.00 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Pseudomonadales;f\_\_Pseudomonadaceae;g\_\_Pseudomonas;s\_\_veronii | 2 | 6.15 | 0.58 | 0 | 0.00 | 0.00 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Xanthomonadales;f\_\_Sinobacteraceae;g\_\_;s\_\_ | 2 | 0.01 | 0.00 | 0 | 0.00 | 0.00 | 2 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Xanthomonadales;f\_\_Xanthomonadaceae;g\_\_Luteimonas;s\_\_ | 2 | 3.12 | 0.43 | 0 | 0.00 | 0.00 | 2 |
| k\_\_Bacteria;\_\_;\_\_;\_\_;\_\_;\_\_;\_\_ | 1 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_;c\_\_;o\_\_;f\_\_;g\_\_;s\_\_ | 1 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Acidobacteria;c\_\_DA052;o\_\_Ellin6513;f\_\_;g\_\_;s\_\_ | 1 | 0.02 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Acidobacteria;c\_\_Solibacteres;o\_\_Solibacterales;\_\_;\_\_;\_\_ | 1 | 0.01 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Acidobacteria;c\_\_Solibacteres;o\_\_Solibacterales;f\_\_;g\_\_;s\_\_ | 1 | 0.01 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Acidobacteria;c\_\_TM1;o\_\_;f\_\_;g\_\_;s\_\_ | 1 | 0.01 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Actinobacteria;c\_\_Actinobacteria;o\_\_Actinomycetales;f\_\_Brevibacteriaceae;g\_\_Brevibacterium;\_\_ | 1 | 6.93 | 0.58 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Actinobacteria;c\_\_Actinobacteria;o\_\_Actinomycetales;f\_\_Corynebacteriaceae;g\_\_Corynebacterium;s\_\_simulans | 0 | 0.00 | 0.00 | 1 | 7.86 | 1.57 | 1 |
| k\_\_Bacteria;p\_\_Actinobacteria;c\_\_Actinobacteria;o\_\_Actinomycetales;f\_\_Dermabacteraceae;g\_\_Brachybacterium;\_\_ | 0 | 0.00 | 0.00 | 1 | 1.30 | 0.26 | 1 |
| k\_\_Bacteria;p\_\_Actinobacteria;c\_\_Actinobacteria;o\_\_Actinomycetales;f\_\_Micrococcaceae;g\_\_Micrococcus;s\_\_ | 1 | 0.07 | 0.01 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Actinobacteria;c\_\_Actinobacteria;o\_\_Actinomycetales;f\_\_Micrococcaceae;g\_\_Micrococcus;s\_\_luteus | 1 | 1.58 | 0.13 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Bacteroidetes;\_\_;\_\_;\_\_;\_\_;\_\_ | 0 | 0.00 | 0.00 | 1 | 0.01 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Bacteroidetes;c\_\_Cytophagia;o\_\_Cytophagales;f\_\_Cytophagaceae;g\_\_Cytophaga;s\_\_ | 1 | 1.38 | 0.11 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Bacteroidetes;c\_\_Sphingobacteriia;o\_\_Sphingobacteriales;f\_\_Sphingobacteriaceae;g\_\_;s\_\_ | 1 | 0.19 | 0.02 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Bacteroidetes;c\_\_Sphingobacteriia;o\_\_Sphingobacteriales;f\_\_Sphingobacteriaceae;g\_\_Sphingobacterium;s\_\_multivorum | 1 | 0.63 | 0.05 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Bacteroidetes;c\_\_[Saprospirae];o\_\_[Saprospirales];f\_\_Chitinophagaceae;g\_\_Sediminibacterium;s\_\_ | 0 | 0.00 | 0.00 | 1 | 5.88 | 1.18 | 1 |
| k\_\_Bacteria;p\_\_Chlamydiae;c\_\_Chlamydiia;o\_\_Chlamydiales;f\_\_Rhabdochlamydiaceae;g\_\_Candidatus Rhabdochlamydia;s\_\_ | 1 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Bacilli;o\_\_Bacillales;\_\_;\_\_;\_\_ | 1 | 0.36 | 0.03 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Bacilli;o\_\_Bacillales;f\_\_Bacillaceae;g\_\_Bacillus;s\_\_flexus | 1 | 79.95 | 6.66 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Firmicutes;c\_\_Bacilli;o\_\_Bacillales;f\_\_Bacillaceae;g\_\_Natronobacillus;s\_\_ | 0 | 0.00 | 0.00 | 1 | 7.93 | 1.59 | 1 |
| k\_\_Bacteria;p\_\_OD1;c\_\_Mb-NB09;o\_\_;f\_\_;g\_\_;s\_\_ | 1 | 1.73 | 0.14 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Caulobacterales;f\_\_Caulobacteraceae;g\_\_;s\_\_ | 1 | 0.15 | 0.01 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Caulobacterales;f\_\_Caulobacteraceae;g\_\_Brevundimonas;\_\_ | 1 | 0.02 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Caulobacterales;f\_\_Caulobacteraceae;g\_\_Brevundimonas;s\_\_ | 0 | 0.00 | 0.00 | 1 | 6.67 | 1.33 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhizobiales;f\_\_Bradyrhizobiaceae;g\_\_Balneimonas;s\_\_ | 0 | 0.00 | 0.00 | 1 | 2.12 | 0.42 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhizobiales;f\_\_Bradyrhizobiaceae;g\_\_Bradyrhizobium;\_\_ | 1 | 0.10 | 0.01 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhizobiales;f\_\_Bradyrhizobiaceae;g\_\_Bradyrhizobium;s\_\_ | 1 | 1.25 | 0.10 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhizobiales;f\_\_Rhizobiaceae;\_\_;\_\_ | 0 | 0.00 | 0.00 | 1 | 1.08 | 0.22 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhodobacterales;f\_\_Rhodobacteraceae;g\_\_Paracoccus;s\_\_ | 0 | 0.00 | 0.00 | 1 | 0.39 | 0.08 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhodospirillales;f\_\_Rhodospirillaceae;g\_\_Azospirillum;s\_\_ | 1 | 0.08 | 0.01 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhodospirillales;f\_\_Rhodospirillaceae;g\_\_Novispirillum;s\_\_ | 0 | 0.00 | 0.00 | 1 | 1.02 | 0.20 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhodospirillales;f\_\_Rhodospirillaceae;g\_\_Reyranella;s\_\_massiliensis | 1 | 5.25 | 0.44 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Rhodospirillales;f\_\_Rhodospirillaceae;g\_\_Telmatospirillum;s\_\_ | 1 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Alphaproteobacteria;o\_\_Sphingomonadales;f\_\_Sphingomonadaceae;g\_\_Novosphingobium;\_\_ | 0 | 0.00 | 0.00 | 1 | 3.48 | 0.70 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Betaproteobacteria;o\_\_Burkholderiales;f\_\_Oxalobacteraceae;g\_\_Janthinobacterium;s\_\_lividum | 1 | 5.50 | 0.46 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Betaproteobacteria;o\_\_Burkholderiales;f\_\_Oxalobacteraceae;g\_\_Ralstonia;s\_\_ | 0 | 0.00 | 0.00 | 1 | 0.06 | 0.01 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Betaproteobacteria;o\_\_Rhodocyclales;f\_\_Rhodocyclaceae;g\_\_Uliginosibacterium;s\_\_ | 0 | 0.00 | 0.00 | 1 | 6.08 | 1.22 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Aeromonadales;f\_\_Aeromonadaceae;\_\_;\_\_ | 1 | 2.18 | 0.18 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Pasteurellales;f\_\_Pasteurellaceae;g\_\_Haemophilus;s\_\_parainfluenzae | 1 | 0.27 | 0.02 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Pseudomonadales;f\_\_Moraxellaceae;g\_\_Acinetobacter;s\_\_lwoffii | 1 | 6.01 | 0.50 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Pseudomonadales;f\_\_Moraxellaceae;g\_\_Enhydrobacter;\_\_ | 0 | 0.00 | 0.00 | 1 | 3.49 | 0.70 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Pseudomonadales;f\_\_Pseudomonadaceae;g\_\_;s\_\_ | 0 | 0.00 | 0.00 | 1 | 6.49 | 1.30 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Pseudomonadales;f\_\_Pseudomonadaceae;g\_\_Pseudomonas;\_\_ | 1 | 7.07 | 0.59 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Pseudomonadales;f\_\_Pseudomonadaceae;g\_\_Pseudomonas;s\_\_ | 0 | 0.00 | 0.00 | 1 | 4.88 | 0.98 | 1 |
| k\_\_Bacteria;p\_\_Proteobacteria;c\_\_Gammaproteobacteria;o\_\_Xanthomonadales;f\_\_Xanthomonadaceae;g\_\_Pseudoxanthomonas;\_\_ | 0 | 0.00 | 0.00 | 1 | 2.29 | 0.46 | 1 |
| k\_\_Bacteria;p\_\_Verrucomicrobia;c\_\_[Pedosphaerae];o\_\_[Pedosphaerales];f\_\_;g\_\_;s\_\_ | 1 | 0.01 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Verrucomicrobia;c\_\_[Pedosphaerae];o\_\_[Pedosphaerales];f\_\_[Pedosphaeraceae];g\_\_Pedosphaera;s\_\_ | 1 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 1 |
| k\_\_Bacteria;p\_\_Verrucomicrobia;c\_\_[Pedosphaerae];o\_\_[Pedosphaerales];f\_\_auto67\_4W;g\_\_;s\_\_ | 1 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 1 |