# Supplemental Material

for

Individuals with inflammatory bowel disease have an altered gut microbiome composition of fungi and protozoa

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**Table S1.** Results of RiboTagger for the 1000IBD and 500FG studies.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample ID | Disease status | Confidence | Kingdom | Phylum | Class | Order | Family | Genus | 18S V region |
| 1000IBD00010 | IBD | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v4 |
| 1000IBD00107 | IBD | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v4 |
| 1000IBD00198 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| 1000IBD00349 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| 1000IBD00401 | IBD | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v4 |
| 1000IBD00510 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| 1000IBD00541 | IBD | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v4 |
| 1000IBD00556 | IBD | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v4 |
| 1000IBD00613 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| 1000IBD00394 | IBD | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Dipodascaceae | Galactomyces | v4 |
| 1000IBD00476 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| 1000IBD00581 | IBD | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v4 |
| 1000IBD00675 | IBD | 0.89 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Debaryomyces | v4 |
| 1000IBD01328 | IBD | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v4 |
| 1000IBD00010 | IBD | 0.89 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | v5 |
| 1000IBD00107 | IBD | 0.89 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | v5 |
| 1000IBD00198 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| 1000IBD00208 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| 1000IBD00349 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| 1000IBD00401 | IBD | 0.89 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | v5 |
| 1000IBD00431 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| 1000IBD00510 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| 1000IBD00556 | IBD | 0.89 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | v5 |
| 1000IBD00569 | IBD | 0.89 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | v5 |
| 1000IBD00613 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| 1000IBD00476 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| 1000IBD00581 | IBD | 0.89 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | v5 |
| 1000IBD00675 | IBD | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales |  | v5 |
| 1000IBD00198 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| 1000IBD00349 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| 1000IBD00431 | IBD | 1 | Eukaryota |  |  |  |  | v6 |
| 1000IBD00492 | IBD | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| 1000IBD00510 | IBD | 1 | Eukaryota |  |  |  |  | v6 |
| 1000IBD00556 | IBD | 0.99 | Eukaryota | Ascomycota |  |  |  | v6 |
| 1000IBD00610 | IBD | 1 | Eukaryota | Metazoa |  |  |  |  | v6 |
| 1000IBD00613 | IBD | 1 | Eukaryota |  |  |  |  | v6 |
| 1000IBD00476 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| 1000IBD00581 | IBD | 0.99 | Eukaryota | Ascomycota |  |  |  | v6 |
| 1000IBD00662 | IBD | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| 1000IBD01329 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| 1000IBD00006 | IBD | 1 | Eukaryota | Metazoa |  |  |  |  | v7 |
| 1000IBD00010 | IBD | 0.85 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v7 |
| 1000IBD00035 | IBD | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Dipodascaceae | Galactomyces | v7 |
| 1000IBD00107 | IBD | 0.85 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v7 |
| 1000IBD00198 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| 1000IBD00206 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| 1000IBD00349 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| 1000IBD00401 | IBD | 0.85 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v7 |
| 1000IBD00431 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| 1000IBD00510 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| 1000IBD00556 | IBD | 0.85 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v7 |
| 1000IBD00613 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| 1000IBD00682 | IBD | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| 1000IBD00581 | IBD | 0.94 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | v7 |
| 1000IBD00675 | IBD | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales |  | v7 |
| 1000IBD00679 | IBD | 0.94 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | v7 |
| SRR5127411 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127412 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127434 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127439 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127459 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127463 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127478 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127494 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127496 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127504 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127515 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127522 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127524 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127534 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127546 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127563 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127567 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127575 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127580 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127587 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127608 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127613 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127619 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127630 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v4 |
| SRR5127633 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127636 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127667 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127668 | control | 1 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v4 |
| SRR5127688 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127688 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v4 |
| SRR5127717 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127731 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127737 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127752 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v4 |
| SRR5127754 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127754 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127772 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127782 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127783 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127793 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127796 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127823 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127841 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127847 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127850 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127857 | control | 1 | Eukaryota |  |  |  | Blastocystis | v4 |
| SRR5127397 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127411 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127412 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127417 | control | 0.9 | Eukaryota | Ascomycota | Eurotiomycetes | Eurotiales | Trichocomaceae | Penicillium | v5 |
| SRR5127455 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127455 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127463 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127476 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127478 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127494 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127496 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127504 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127514 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127514 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127522 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127524 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127546 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127567 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127580 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127587 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127608 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127613 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127619 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127620 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127621 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127630 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127630 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127633 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127636 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127636 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127642 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127667 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127679 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127688 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127688 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127715 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127717 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127719 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127737 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127752 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127754 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127756 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127756 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127770 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127773 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127774 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127782 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127783 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127798 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127801 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127815 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127834 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127841 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v5 |
| SRR5127842 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127844 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127847 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127850 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127857 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127858 | control | 1 | Eukaryota |  |  |  | Blastocystis | v5 |
| SRR5127439 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127459 | control | 1 | Eukaryota |  |  |  |  | v6 |
| SRR5127463 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| SRR5127470 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| SRR5127496 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127504 | control | 1 | Eukaryota |  |  |  |  | v6 |
| SRR5127524 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| SRR5127546 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127587 | control | 1 | Eukaryota |  |  |  |  | v6 |
| SRR5127608 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127613 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127630 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| SRR5127636 | control | 1 | Eukaryota |  |  |  |  | v6 |
| SRR5127636 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| SRR5127667 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127688 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| SRR5127707 | control | 1 | Eukaryota |  |  |  |  | v6 |
| SRR5127709 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127717 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127737 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127752 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| SRR5127773 | control | 1 | Eukaryota |  |  |  |  | v6 |
| SRR5127773 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| SRR5127782 | control | 1 | Eukaryota |  |  |  |  | v6 |
| SRR5127783 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127791 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127796 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127823 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127823 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| SRR5127841 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127847 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127850 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127850 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v6 |
| SRR5127857 | control | 1 | Eukaryota |  |  |  | Blastocystis | v6 |
| SRR5127411 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127412 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127417 | control | 1 | Eukaryota | Ascomycota | Eurotiomycetes | Eurotiales |  |  | v7 |
| SRR5127455 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127457 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127459 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127463 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127476 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127478 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127494 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127504 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127514 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127514 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127522 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127524 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127537 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127546 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127580 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127587 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127608 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127608 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v7 |
| SRR5127613 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127621 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127630 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127630 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v7 |
| SRR5127633 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127636 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127636 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v7 |
| SRR5127651 | control | 0.85 | Eukaryota | Ascomycota | Saccharomycetes | Saccharomycetales | Saccharomycetaceae | Saccharomyces | v7 |
| SRR5127667 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127679 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127688 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127688 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v7 |
| SRR5127707 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127715 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127737 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127752 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v7 |
| SRR5127756 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v7 |
| SRR5127756 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127770 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127772 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127773 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127774 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127782 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v7 |
| SRR5127783 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127783 | control | 1 | Eukaryota | Fornicata | Diplomonadida | Giardiinae | Giardia | v7 |
| SRR5127791 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127823 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127834 | control | 1 | Eukaryota | Parabasalia | Tritrichomonadea |  | Dientamoeba | v7 |
| SRR5127841 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127844 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127847 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127850 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127854 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127857 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |
| SRR5127858 | control | 1 | Eukaryota |  |  |  | Blastocystis | v7 |

**Table S2.** Results of EukDetect for the 1000IBD and 500FG studies before rarefying.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sample ID | Taxa | TaxaID | Observed markers | Readcounts | Percent observedmarkers | Totalmarkercoverage | Percentidentity |
| 1000IBD00010 | Saccharomyces cerevisiae S288C | 559292 | 55 | 145 | 30.22% | 7.88% | 99.57% |
| 1000IBD00014 | Candida albicans SC5314 | 237561 | 11 | 26 | 6.55% | 9.66% | 100.00% |
| 1000IBD00016 | Saccharomyces cerevisiae S288C | 559292 | 11 | 19 | 6.04% | 8.64% | 99.80% |
| 1000IBD00035 | Saccharomyces cerevisiae S288C | 559292 | 4 | 8 | 2.20% | 4.80% | 100.00% |
| 1000IBD00035 | Clavispora lusitaniae ATCC 42720 | 306902 | 2 | 4 | 1.16% | 2.68% | 99.58% |
| 1000IBD00041 | Saccharomyces cerevisiae S288C | 559292 | 6 | 11 | 3.30% | 3.79% | 99.19% |
| 1000IBD00046 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 8.79% | 98.90% |
| 1000IBD00050 | Candida glabrata | 5478 | 5 | 12 | 3.12% | 5.83% | 99.87% |
| 1000IBD00053 | Saccharomyces cerevisiae S288C | 559292 | 5 | 11 | 2.75% | 6.74% | 99.64% |
| 1000IBD00058 | Saccharomyces cerevisiae S288C | 559292 | 6 | 10 | 3.30% | 4.04% | 99.64% |
| 1000IBD00067 | Saccharomyces cerevisiae S288C | 559292 | 4 | 12 | 2.20% | 9.40% | 99.63% |
| 1000IBD00067 | Candida albicans SC5314 | 237561 | 3 | 7 | 1.79% | 7.94% | 99.84% |
| 1000IBD00084 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 3.30% | 100.00% |
| 1000IBD00103 | Saccharomyces cerevisiae S288C | 559292 | 8 | 16 | 4.40% | 4.67% | 99.91% |
| 1000IBD00107 | Saccharomyces cerevisiae S288C | 559292 | 120 | 520 | 65.93% | 13.52% | 99.68% |
| 1000IBD00114 | Saccharomyces cerevisiae S288C | 559292 | 29 | 63 | 15.93% | 7.71% | 99.68% |
| 1000IBD00122 | Saccharomyces cerevisiae S288C | 559292 | 3 | 6 | 1.65% | 3.80% | 99.71% |
| 1000IBD00154 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 8.36% | 99.45% |
| 1000IBD00155 | Saccharomyces cerevisiae S288C | 559292 | 30 | 65 | 16.48% | 7.19% | 99.56% |
| 1000IBD00157 | Malassezia restricta | 76775 | 3 | 6 | 2.00% | 1.71% | 99.49% |
| 1000IBD00173 | Penicillium roqueforti FM164 | 1365484 | 6 | 11 | 3.02% | 5.70% | 100.00% |
| 1000IBD00187 | Saccharomyces cerevisiae S288C | 559292 | 18 | 38 | 9.89% | 4.92% | 99.61% |
| 1000IBD00188 | Saccharomyces cerevisiae S288C | 559292 | 20 | 44 | 10.99% | 5.31% | 99.68% |
| 1000IBD00197 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 2.59% | 100.00% |
| 1000IBD00198 | Blastocystis sp. subtype 4 | 944170 | 8 | 31 | 80.00% | 13.44% | 99.77% |
| 1000IBD00202 | Blastocystis hominis | 12968 | 3 | 10 | 23.08% | 12.27% | 99.07% |
| 1000IBD00204 | Saccharomyces cerevisiae S288C | 559292 | 4 | 8 | 2.20% | 3.42% | 99.68% |
| 1000IBD00206 | Blastocystis sp. subtype 2 | 944160 | 7 | 24 | 33.33% | 9.89% | 99.13% |
| 1000IBD00208 | Blastocystis sp. subtype 4 | 944170 | 7 | 29 | 70.00% | 17.13% | 99.78% |
| 1000IBD00225 | Saccharomyces cerevisiae S288C | 559292 | 37 | 87 | 20.33% | 6.01% | 99.76% |
| 1000IBD00228 | Saccharomyces cerevisiae S288C | 559292 | 5 | 9 | 2.75% | 4.16% | 99.73% |
| 1000IBD00239 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 7 | 21 | 35.00% | 9.51% | 99.25% |
| 1000IBD00255 | Candida albicans SC5314 | 237561 | 2 | 4 | 1.19% | 5.88% | 100.00% |
| 1000IBD00266 | Saccharomyces cerevisiae S288C | 559292 | 3 | 6 | 1.65% | 9.59% | 100.00% |
| 1000IBD00277 | Saccharomyces cerevisiae S288C | 559292 | 3 | 6 | 1.65% | 4.52% | 99.80% |
| 1000IBD00281 | Saccharomyces cerevisiae S288C | 559292 | 4 | 7 | 2.20% | 6.00% | 100.00% |
| 1000IBD00301 | Candida glabrata | 5478 | 9 | 19 | 5.62% | 5.10% | 99.73% |
| 1000IBD00304 | Saccharomyces cerevisiae S288C | 559292 | 5 | 9 | 2.75% | 4.13% | 99.64% |
| 1000IBD00310 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 5.93% | 100.00% |
| 1000IBD00329 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 3.19% | 99.61% |
| 1000IBD00339 | Candida glabrata | 5478 | 5 | 12 | 3.12% | 8.20% | 99.54% |
| 1000IBD00342 | Blastocystis sp. subtype 3 | 944168 | 14 | 53 | 63.64% | 13.04% | 99.44% |
| 1000IBD00345 | Saccharomyces cerevisiae S288C | 559292 | 13 | 24 | 7.14% | 7.19% | 99.40% |
| 1000IBD00349 | Blastocystis sp. subtype 4 | 944170 | 10 | 66 | 100.00% | 26.83% | 99.77% |
| 1000IBD00367 | Saccharomyces cerevisiae S288C | 559292 | 4 | 7 | 2.20% | 7.89% | 99.59% |
| 1000IBD00370 | Saccharomyces cerevisiae S288C | 559292 | 3 | 7 | 1.65% | 5.92% | 99.63% |
| 1000IBD00389 | Candida glabrata | 5478 | 5 | 11 | 3.12% | 12.47% | 99.77% |
| 1000IBD00401 | Saccharomyces cerevisiae S288C | 559292 | 52 | 137 | 28.57% | 7.93% | 99.74% |
| 1000IBD00401 | Candida glabrata | 5478 | 26 | 61 | 16.25% | 8.10% | 99.75% |
| 1000IBD00416 | Saccharomyces cerevisiae S288C | 559292 | 3 | 6 | 1.65% | 11.49% | 98.06% |
| 1000IBD00419 | Candida glabrata | 5478 | 17 | 45 | 10.62% | 5.91% | 99.65% |
| 1000IBD00427 | Blastocystis sp. subtype 9 | 1544353 | 6 | 29 | 54.55% | 16.05% | 99.60% |
| 1000IBD00431 | Blastocystis sp. subtype 2 | 944160 | 15 | 82 | 71.43% | 19.69% | 98.81% |
| 1000IBD00433 | Blastocystis sp. subtype 3 | 944168 | 5 | 7 | 22.73% | 6.75% | 99.39% |
| 1000IBD00442 | Penicillium roqueforti FM164 | 1365484 | 7 | 15 | 3.52% | 5.60% | 100.00% |
| 1000IBD00469 | Saccharomyces cerevisiae S288C | 559292 | 3 | 6 | 1.65% | 4.07% | 99.75% |
| 1000IBD00470 | Candida glabrata | 5478 | 25 | 59 | 15.62% | 9.12% | 99.62% |
| 1000IBD00470 | Candida albicans SC5314 | 237561 | 2 | 4 | 1.19% | 10.34% | 99.50% |
| 1000IBD00485 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 4.52% | 100.00% |
| 1000IBD00495 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 7.23% | 100.00% |
| 1000IBD00502 | Saccharomyces cerevisiae S288C | 559292 | 4 | 7 | 2.20% | 7.23% | 100.00% |
| 1000IBD00505 | Saccharomyces cerevisiae S288C | 559292 | 4 | 8 | 2.20% | 2.56% | 99.35% |
| 1000IBD00510 | Blastocystis sp. subtype 2 | 944160 | 21 | 300 | 100.00% | 43.00% | 98.72% |
| 1000IBD00511 | Saccharomyces cerevisiae S288C | 559292 | 5 | 10 | 2.75% | 5.68% | 99.53% |
| 1000IBD00512 | Saccharomyces cerevisiae S288C | 559292 | 41 | 95 | 22.53% | 7.39% | 99.69% |
| 1000IBD00514 | Blastocystis sp. subtype 3 | 944168 | 8 | 34 | 36.36% | 13.58% | 99.69% |
| 1000IBD00535 | Saccharomyces cerevisiae S288C | 559292 | 8 | 20 | 4.40% | 6.10% | 99.36% |
| 1000IBD00535 | Candida albicans SC5314 | 237561 | 2 | 4 | 1.19% | 4.25% | 100.00% |
| 1000IBD00541 | Saccharomyces cerevisiae S288C | 559292 | 6 | 12 | 3.30% | 4.49% | 100.00% |
| 1000IBD00550 | Candida glabrata | 5478 | 46 | 109 | 28.75% | 9.09% | 99.58% |
| 1000IBD00550 | Saccharomyces cerevisiae S288C | 559292 | 46 | 106 | 25.27% | 7.72% | 99.73% |
| 1000IBD00556 | Saccharomyces cerevisiae S288C | 559292 | 128 | 582 | 70.33% | 15.50% | 99.66% |
| 1000IBD00563 | Penicillium roqueforti FM164 | 1365484 | 3 | 6 | 1.51% | 5.29% | 100.00% |
| 1000IBD00565 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 5.89% | 99.66% |
| 1000IBD00569 | Saccharomyces cerevisiae S288C | 559292 | 8 | 18 | 4.40% | 4.07% | 99.68% |
| 1000IBD00586 | Saccharomyces cerevisiae S288C | 559292 | 16 | 31 | 8.79% | 5.78% | 99.61% |
| 1000IBD00593 | Saccharomyces cerevisiae S288C | 559292 | 5 | 10 | 2.75% | 3.10% | 99.37% |
| 1000IBD00593 | Meyerozyma | 766728 | 3 | 6 | 1.94% | 8.20% | 100.00% |
| 1000IBD00593 | Wickerhamomyces anomalus NRRL Y-366-8 | 683960 | 2 | 4 | 1.14% | 8.86% | 97.66% |
| 1000IBD00598 | Debaryomyces hansenii CBS767 | 284592 | 6 | 13 | 3.28% | 4.25% | 99.50% |
| 1000IBD00598 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 4.13% | 99.48% |
| 1000IBD00610 | Saccharomyces cerevisiae S288C | 559292 | 5 | 10 | 2.75% | 5.52% | 99.56% |
| 1000IBD00613 | Blastocystis sp. subtype 2 | 944160 | 10 | 28 | 47.62% | 7.75% | 99.19% |
| 1000IBD00624 | Saccharomyces cerevisiae S288C | 559292 | 9 | 15 | 4.95% | 3.16% | 99.60% |
| 1000IBD00627 | Penicillium roqueforti FM164 | 1365484 | 4 | 10 | 2.01% | 6.59% | 100.00% |
| 1000IBD00644 | Blastocystis sp. subtype 3 | 944168 | 7 | 20 | 31.82% | 7.35% | 99.67% |
| 1000IBD00645 | Saccharomyces cerevisiae S288C | 559292 | 4 | 7 | 2.20% | 4.88% | 99.85% |
| 1000IBD00646 | Blastocystis sp. subtype 3 | 944168 | 6 | 12 | 27.27% | 5.88% | 99.67% |
| 1000IBD00649 | Saccharomyces cerevisiae S288C | 559292 | 5 | 10 | 2.75% | 3.88% | 99.87% |
| 1000IBD00670 | Saccharomyces cerevisiae S288C | 559292 | 7 | 14 | 3.85% | 4.72% | 100.00% |
| 1000IBD00676 | Debaryomyces hansenii CBS767 | 284592 | 10 | 25 | 5.46% | 13.26% | 99.95% |
| 1000IBD00682 | Blastocystis sp. subtype 3 | 944168 | 10 | 36 | 45.45% | 9.44% | 99.84% |
| 1000IBD00682 | Saccharomyces cerevisiae S288C | 559292 | 25 | 46 | 13.74% | 7.44% | 99.80% |
| 1000IBD00698 | Saccharomyces cerevisiae S288C | 559292 | 25 | 49 | 13.74% | 5.02% | 99.71% |
| 1000IBD00385 | Saccharomyces cerevisiae S288C | 559292 | 4 | 7 | 2.20% | 6.64% | 99.80% |
| 1000IBD00394 | Debaryomyces hansenii CBS767 | 284592 | 7 | 13 | 3.83% | 5.18% | 99.77% |
| 1000IBD00476 | Blastocystis sp. subtype 4 | 944170 | 9 | 51 | 90.00% | 19.76% | 99.82% |
| 1000IBD00480 | Blastocystis sp. subtype 2 | 944160 | 10 | 24 | 47.62% | 7.45% | 98.98% |
| 1000IBD00487 | Saccharomyces cerevisiae S288C | 559292 | 13 | 31 | 7.14% | 6.07% | 99.33% |
| 1000IBD00581 | Saccharomyces cerevisiae S288C | 559292 | 74 | 198 | 40.66% | 7.69% | 99.52% |
| 1000IBD00581 | Candida albicans SC5314 | 237561 | 38 | 81 | 22.62% | 7.17% | 99.63% |
| 1000IBD00614 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 6.59% | 100.00% |
| 1000IBD00675 | Debaryomyces hansenii CBS767 | 284592 | 33 | 67 | 18.03% | 5.19% | 99.46% |
| 1000IBD00679 | Saccharomyces cerevisiae S288C | 559292 | 39 | 79 | 21.43% | 6.93% | 99.70% |
| 1000IBD00680 | Blastocystis sp. subtype 4 | 944170 | 2 | 4 | 20.00% | 6.28% | 100.00% |
| 1000IBD00705 | Saccharomyces cerevisiae S288C | 559292 | 2 | 5 | 1.10% | 2.74% | 99.74% |
| 1000IBD00708 | Saccharomyces cerevisiae S288C | 559292 | 6 | 12 | 3.30% | 8.43% | 99.69% |
| 1000IBD00715 | Saccharomyces cerevisiae S288C | 559292 | 23 | 51 | 12.64% | 5.18% | 99.51% |
| 1000IBD00720 | Cyberlindnera jadinii NRRL Y-1542 | 983966 | 10 | 20 | 5.78% | 4.60% | 99.62% |
| 1000IBD01328 | Saccharomyces cerevisiae S288C | 559292 | 14 | 26 | 7.69% | 7.56% | 99.90% |
| 1000IBD01329 | Blastocystis sp. subtype 3 | 944168 | 9 | 28 | 40.91% | 8.94% | 99.53% |
| SRR5127393 | Blastocystis sp. subtype 2 | 944160 | 4 | 7 | 19.05% | 5.57% | 99.11% |
| SRR5127394 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 8.86% | 98.78% |
| SRR5127397 | Blastocystis sp. subtype 2 | 944160 | 16 | 83 | 76.19% | 14.63% | 98.90% |
| SRR5127400 | Blastocystis sp. subtype 3 | 944168 | 15 | 61 | 68.18% | 10.92% | 99.56% |
| SRR5127406 | Blastocystis sp. subtype 3 | 944168 | 15 | 62 | 68.18% | 11.34% | 99.45% |
| SRR5127407 | Blastocystis sp. subtype 3 | 944168 | 8 | 18 | 36.36% | 6.00% | 99.17% |
| SRR5127408 | Blastocystis sp. subtype 3 | 944168 | 4 | 15 | 18.18% | 6.50% | 99.29% |
| SRR5127411 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 18 | 136 | 90.00% | 25.39% | 98.97% |
| SRR5127411 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 8.47% | 100.00% |
| SRR5127412 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 14 | 64 | 70.00% | 15.93% | 99.15% |
| SRR5127417 | Penicillium roqueforti FM164 | 1365484 | 59 | 138 | 29.65% | 7.27% | 99.97% |
| SRR5127422 | Saccharomyces cerevisiae S288C | 559292 | 8 | 15 | 4.40% | 7.27% | 99.76% |
| SRR5127425 | Blastocystis sp. subtype 3 | 944168 | 7 | 17 | 31.82% | 5.22% | 99.46% |
| SRR5127425 | Saccharomyces cerevisiae S288C | 559292 | 7 | 12 | 3.85% | 5.04% | 99.59% |
| SRR5127425 | Penicillium roqueforti FM164 | 1365484 | 2 | 4 | 1.01% | 5.37% | 100.00% |
| SRR5127434 | Blastocystis sp. subtype 2 | 944160 | 10 | 34 | 47.62% | 10.47% | 99.19% |
| SRR5127434 | Giardia lamblia ATCC 50803 | 184922 | 2 | 4 | 10.00% | 8.77% | 98.13% |
| SRR5127437 | Saccharomyces cerevisiae S288C | 559292 | 4 | 7 | 2.20% | 4.05% | 99.78% |
| SRR5127439 | Blastocystis sp. subtype 4 | 944170 | 5 | 17 | 50.00% | 12.16% | 100.00% |
| SRR5127439 | Saccharomyces cerevisiae S288C | 559292 | 5 | 15 | 2.75% | 6.22% | 99.81% |
| SRR5127443 | Blastocystis sp. subtype 2 | 944160 | 5 | 13 | 23.81% | 6.79% | 98.65% |
| SRR5127452 | Saccharomyces cerevisiae S288C | 559292 | 12 | 20 | 6.59% | 5.81% | 99.47% |
| SRR5127453 | Saccharomyces cerevisiae S288C | 559292 | 4 | 8 | 2.20% | 3.93% | 99.38% |
| SRR5127454 | Saccharomyces cerevisiae S288C | 559292 | 3 | 4 | 1.65% | 1.95% | 100.00% |
| SRR5127455 | Blastocystis sp. subtype 2 | 944160 | 15 | 53 | 71.43% | 12.61% | 98.74% |
| SRR5127456 | Blastocystis sp. subtype 3 | 944168 | 13 | 49 | 59.09% | 9.33% | 99.60% |
| SRR5127457 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 13 | 51 | 65.00% | 12.84% | 99.44% |
| SRR5127458 | Saccharomyces cerevisiae S288C | 559292 | 7 | 12 | 3.85% | 9.28% | 99.69% |
| SRR5127459 | Blastocystis sp. subtype 2 | 944160 | 16 | 62 | 76.19% | 13.59% | 98.96% |
| SRR5127461 | Debaryomyces hansenii CBS767 | 284592 | 4 | 8 | 2.19% | 3.79% | 100.00% |
| SRR5127461 | Candida sake | 39397 | 3 | 5 | 1.67% | 4.14% | 99.26% |
| SRR5127463 | Blastocystis sp. subtype 2 | 944160 | 15 | 101 | 71.43% | 23.45% | 98.87% |
| SRR5127466 | Penicillium roqueforti FM164 | 1365484 | 5 | 9 | 2.51% | 3.57% | 100.00% |
| SRR5127469 | Malassezia restricta | 76775 | 2 | 4 | 1.33% | 1.53% | 98.89% |
| SRR5127470 | Blastocystis sp. subtype 3 | 944168 | 11 | 63 | 50.00% | 10.95% | 99.62% |
| SRR5127470 | Saccharomyces cerevisiae S288C | 559292 | 27 | 56 | 14.84% | 5.83% | 99.76% |
| SRR5127471 | Blastocystis sp. subtype 4 | 944170 | 6 | 17 | 60.00% | 7.72% | 99.55% |
| SRR5127476 | Blastocystis sp. subtype 2 | 944160 | 17 | 110 | 80.95% | 22.57% | 98.90% |
| SRR5127478 | Blastocystis sp. subtype 3 | 944168 | 19 | 193 | 86.36% | 28.33% | 99.46% |
| SRR5127480 | Blastocystis sp. subtype 3 | 944168 | 4 | 9 | 18.18% | 5.04% | 99.86% |
| SRR5127489 | Blastocystis sp. subtype 2 | 944160 | 2 | 6 | 9.52% | 3.93% | 97.22% |
| SRR5127490 | Saccharomyces cerevisiae S288C | 559292 | 5 | 11 | 2.75% | 5.39% | 99.67% |
| SRR5127492 | Saccharomyces cerevisiae S288C | 559292 | 5 | 9 | 2.75% | 4.91% | 99.81% |
| SRR5127494 | Blastocystis sp. subtype 2 | 944160 | 19 | 218 | 90.48% | 37.42% | 98.93% |
| SRR5127495 | Blastocystis sp. subtype 3 | 944168 | 4 | 8 | 18.18% | 4.18% | 99.61% |
| SRR5127496 | Blastocystis sp. subtype 4 | 944170 | 10 | 59 | 100.00% | 19.27% | 99.65% |
| SRR5127499 | Saccharomyces cerevisiae S288C | 559292 | 8 | 15 | 4.40% | 2.54% | 99.50% |
| SRR5127504 | Blastocystis sp. subtype 2 | 944160 | 20 | 178 | 95.24% | 27.60% | 99.01% |
| SRR5127505 | Blastocystis sp. subtype 2 | 944160 | 7 | 21 | 33.33% | 9.59% | 99.17% |
| SRR5127514 | Blastocystis sp. subtype 3 | 944168 | 14 | 38 | 63.64% | 8.13% | 99.01% |
| SRR5127514 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 12 | 41 | 60.00% | 10.46% | 98.98% |
| SRR5127515 | Blastocystis sp. subtype 4 | 944170 | 8 | 44 | 80.00% | 20.42% | 99.97% |
| SRR5127516 | Blastocystis sp. subtype 3 | 944168 | 3 | 6 | 13.64% | 3.35% | 99.21% |
| SRR5127519 | Blastocystis sp. subtype 3 | 944168 | 9 | 42 | 40.91% | 10.47% | 99.78% |
| SRR5127520 | Saccharomyces cerevisiae S288C | 559292 | 6 | 10 | 3.30% | 9.51% | 99.34% |
| SRR5127522 | Blastocystis sp. subtype 2 | 944160 | 20 | 142 | 95.24% | 24.82% | 98.84% |
| SRR5127523 | Blastocystis sp. subtype 3 | 944168 | 15 | 72 | 68.18% | 13.31% | 99.46% |
| SRR5127524 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 20 | 268 | 100.00% | 38.03% | 99.19% |
| SRR5127525 | Blastocystis sp. subtype 3 | 944168 | 16 | 101 | 72.73% | 15.37% | 99.39% |
| SRR5127529 | Blastocystis sp. subtype 3 | 944168 | 5 | 24 | 22.73% | 11.23% | 99.54% |
| SRR5127534 | Blastocystis sp. subtype 2 | 944160 | 15 | 52 | 71.43% | 12.76% | 98.89% |
| SRR5127537 | Blastocystis sp. subtype 3 | 944168 | 12 | 55 | 54.55% | 10.53% | 99.52% |
| SRR5127539 | Blastocystis sp. subtype 3 | 944168 | 3 | 7 | 13.64% | 3.55% | 100.00% |
| SRR5127541 | Blastocystis sp. subtype 2 | 944160 | 11 | 28 | 52.38% | 8.67% | 98.79% |
| SRR5127543 | Blastocystis sp. subtype 2 | 944160 | 2 | 6 | 9.52% | 6.92% | 100.00% |
| SRR5127544 | Giardia lamblia ATCC 50803 | 184922 | 4 | 12 | 20.00% | 8.49% | 99.22% |
| SRR5127546 | Blastocystis sp. subtype 4 | 944170 | 10 | 64 | 100.00% | 22.32% | 99.87% |
| SRR5127548 | Penicillium roqueforti FM164 | 1365484 | 10 | 17 | 5.03% | 6.12% | 100.00% |
| SRR5127548 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 6.17% | 100.00% |
| SRR5127551 | Saccharomyces cerevisiae S288C | 559292 | 2 | 5 | 1.10% | 4.24% | 100.00% |
| SRR5127552 | Saccharomyces cerevisiae S288C | 559292 | 4 | 6 | 2.20% | 3.51% | 99.56% |
| SRR5127556 | Blastocystis sp. subtype 3 | 944168 | 3 | 9 | 13.64% | 6.13% | 99.83% |
| SRR5127557 | Blastocystis sp. subtype 2 | 944160 | 9 | 27 | 42.86% | 7.61% | 98.57% |
| SRR5127563 | Blastocystis sp. subtype 2 | 944160 | 11 | 47 | 52.38% | 10.31% | 98.73% |
| SRR5127565 | Blastocystis sp. subtype 2 | 944160 | 4 | 6 | 19.05% | 8.25% | 98.48% |
| SRR5127566 | Blastocystis sp. subtype 2 | 944160 | 8 | 13 | 38.10% | 5.02% | 98.68% |
| SRR5127567 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 20 | 170 | 100.00% | 28.40% | 99.12% |
| SRR5127575 | Blastocystis sp. subtype 4 | 944170 | 9 | 38 | 90.00% | 12.83% | 99.82% |
| SRR5127576 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 3 | 6 | 15.00% | 2.87% | 99.12% |
| SRR5127579 | Blastocystis sp. subtype 3 | 944168 | 4 | 11 | 18.18% | 4.60% | 99.21% |
| SRR5127580 | Blastocystis sp. subtype 2 | 944160 | 18 | 129 | 85.71% | 24.67% | 99.05% |
| SRR5127581 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 6 | 19 | 30.00% | 6.21% | 99.37% |
| SRR5127585 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 4 | 7 | 20.00% | 5.90% | 99.04% |
| SRR5127587 | Blastocystis sp. subtype 2 | 944160 | 20 | 164 | 95.24% | 28.61% | 98.88% |
| SRR5127588 | Blastocystis sp. subtype 3 | 944168 | 8 | 18 | 36.36% | 7.16% | 98.90% |
| SRR5127589 | Hanseniaspora uvarum | 29833 | 3 | 7 | 2.61% | 4.25% | 100.00% |
| SRR5127590 | Blastocystis sp. subtype 3 | 944168 | 2 | 4 | 9.09% | 7.35% | 99.38% |
| SRR5127597 | Blastocystis sp. subtype 3 | 944168 | 6 | 15 | 27.27% | 5.30% | 99.49% |
| SRR5127599 | Saccharomyces cerevisiae S288C | 559292 | 5 | 9 | 2.75% | 4.90% | 99.64% |
| SRR5127600 | Saccharomyces cerevisiae S288C | 559292 | 16 | 31 | 8.79% | 4.85% | 99.63% |
| SRR5127602 | Blastocystis sp. subtype 2 | 944160 | 11 | 25 | 52.38% | 7.27% | 99.04% |
| SRR5127603 | Blastocystis sp. subtype 2 | 944160 | 7 | 16 | 33.33% | 5.64% | 99.10% |
| SRR5127608 | Blastocystis sp. subtype 3 | 944168 | 22 | 527 | 100.00% | 53.74% | 99.42% |
| SRR5127613 | Blastocystis sp. subtype 4 | 944170 | 10 | 98 | 100.00% | 30.15% | 99.85% |
| SRR5127613 | Saccharomyces cerevisiae S288C | 559292 | 3 | 7 | 1.65% | 4.47% | 99.73% |
| SRR5127618 | Saccharomyces cerevisiae S288C | 559292 | 4 | 9 | 2.20% | 8.33% | 99.85% |
| SRR5127619 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 10 | 28 | 50.00% | 11.45% | 99.43% |
| SRR5127620 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 11 | 30 | 55.00% | 8.53% | 99.13% |
| SRR5127621 | Blastocystis sp. subtype 4 | 944170 | 7 | 41 | 70.00% | 16.44% | 99.96% |
| SRR5127622 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 5 | 11 | 25.00% | 5.48% | 99.68% |
| SRR5127627 | Blastocystis sp. subtype 3 | 944168 | 10 | 32 | 45.45% | 8.72% | 99.68% |
| SRR5127627 | Penicillium roqueforti FM164 | 1365484 | 4 | 7 | 2.01% | 7.70% | 99.84% |
| SRR5127628 | Blastocystis sp. subtype 4 | 944170 | 2 | 4 | 20.00% | 4.64% | 99.52% |
| SRR5127629 | Saccharomyces cerevisiae S288C | 559292 | 6 | 9 | 3.30% | 8.25% | 99.72% |
| SRR5127630 | Blastocystis sp. subtype 2 | 944160 | 21 | 282 | 100.00% | 35.11% | 99.02% |
| SRR5127633 | Blastocystis sp. subtype 3 | 944168 | 19 | 153 | 86.36% | 23.98% | 99.54% |
| SRR5127634 | Debaryomyces hansenii CBS767 | 284592 | 2 | 4 | 1.09% | 2.74% | 100.00% |
| SRR5127634 | Penicillium roqueforti FM164 | 1365484 | 2 | 4 | 1.01% | 7.12% | 100.00% |
| SRR5127636 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 20 | 503 | 100.00% | 56.98% | 99.00% |
| SRR5127637 | Blastocystis sp. subtype 2 | 944160 | 6 | 16 | 28.57% | 9.15% | 98.95% |
| SRR5127642 | Blastocystis sp. subtype 3 | 944168 | 14 | 70 | 63.64% | 12.59% | 99.51% |
| SRR5127643 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 5 | 12 | 25.00% | 5.78% | 99.78% |
| SRR5127643 | Saccharomyces cerevisiae S288C | 559292 | 26 | 52 | 14.29% | 5.43% | 99.53% |
| SRR5127648 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 6 | 12 | 30.00% | 4.10% | 99.00% |
| SRR5127649 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 13.20% | 100.00% |
| SRR5127651 | Saccharomyces cerevisiae S288C | 559292 | 51 | 121 | 28.02% | 7.50% | 99.70% |
| SRR5127655 | Blastocystis sp. subtype 2 | 944160 | 16 | 56 | 76.19% | 11.16% | 98.89% |
| SRR5127657 | Saccharomyces cerevisiae S288C | 559292 | 3 | 5 | 1.65% | 9.75% | 100.00% |
| SRR5127667 | Blastocystis sp. subtype 4 | 944170 | 8 | 125 | 80.00% | 40.82% | 99.73% |
| SRR5127667 | Penicillium roqueforti FM164 | 1365484 | 4 | 7 | 2.01% | 8.95% | 100.00% |
| SRR5127672 | Pichia kudriavzevii | 4909 | 11 | 36 | 6.96% | 6.85% | 99.85% |
| SRR5127679 | Blastocystis sp. subtype 2 | 944160 | 14 | 71 | 66.67% | 14.98% | 99.17% |
| SRR5127681 | Blastocystis sp. subtype 3 | 944168 | 2 | 4 | 9.09% | 5.85% | 98.76% |
| SRR5127685 | Blastocystis sp. subtype 2 | 944160 | 10 | 19 | 47.62% | 5.25% | 98.93% |
| SRR5127688 | Blastocystis sp. subtype 3 | 944168 | 20 | 210 | 90.91% | 29.74% | 99.37% |
| SRR5127691 | Saccharomyces cerevisiae S288C | 559292 | 4 | 7 | 2.20% | 8.00% | 99.80% |
| SRR5127698 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 5.75% | 100.00% |
| SRR5127707 | Blastocystis sp. subtype 2 | 944160 | 17 | 62 | 80.95% | 13.92% | 99.01% |
| SRR5127709 | Blastocystis sp. subtype 4 | 944170 | 9 | 46 | 90.00% | 19.06% | 99.84% |
| SRR5127710 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 12 | 36 | 60.00% | 10.20% | 99.35% |
| SRR5127712 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 4 | 10 | 20.00% | 7.10% | 99.68% |
| SRR5127715 | Blastocystis sp. subtype 2 | 944160 | 18 | 115 | 85.71% | 22.74% | 99.00% |
| SRR5127717 | Blastocystis sp. subtype 3 | 944168 | 20 | 212 | 90.91% | 32.46% | 99.46% |
| SRR5127719 | Blastocystis sp. subtype 4 | 944170 | 7 | 23 | 70.00% | 9.65% | 99.85% |
| SRR5127722 | Blastocystis sp. subtype 2 | 944160 | 4 | 10 | 19.05% | 6.72% | 99.73% |
| SRR5127724 | Blastocystis sp. subtype 2 | 944160 | 7 | 13 | 33.33% | 7.02% | 98.85% |
| SRR5127728 | Saccharomyces cerevisiae S288C | 559292 | 18 | 43 | 9.89% | 6.15% | 99.73% |
| SRR5127731 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 6 | 13 | 30.00% | 5.16% | 99.38% |
| SRR5127731 | Saccharomyces cerevisiae S288C | 559292 | 3 | 5 | 1.65% | 3.05% | 99.61% |
| SRR5127736 | Malassezia restricta | 76775 | 2 | 4 | 1.33% | 4.59% | 99.45% |
| SRR5127737 | Blastocystis sp. subtype 3 | 944168 | 22 | 290 | 100.00% | 36.11% | 99.32% |
| SRR5127738 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 8 | 24 | 40.00% | 7.01% | 98.57% |
| SRR5127739 | Saccharomyces cerevisiae S288C | 559292 | 32 | 82 | 17.58% | 6.13% | 99.70% |
| SRR5127744 | Debaryomyces hansenii CBS767 | 284592 | 9 | 20 | 4.92% | 5.69% | 99.79% |
| SRR5127751 | Penicillium roqueforti FM164 | 1365484 | 5 | 10 | 2.51% | 6.81% | 100.00% |
| SRR5127752 | Blastocystis sp. subtype 3 | 944168 | 2 | 4 | 9.09% | 3.03% | 99.46% |
| SRR5127754 | Blastocystis sp. subtype 3 | 944168 | 21 | 163 | 95.45% | 24.69% | 99.41% |
| SRR5127754 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 11 | 43 | 55.00% | 11.69% | 99.03% |
| SRR5127754 | Saccharomyces cerevisiae S288C | 559292 | 5 | 10 | 2.75% | 4.28% | 100.00% |
| SRR5127756 | Blastocystis sp. subtype 3 | 944168 | 18 | 140 | 81.82% | 22.98% | 99.50% |
| SRR5127764 | Blastocystis sp. subtype 2 | 944160 | 8 | 28 | 38.10% | 9.16% | 98.18% |
| SRR5127769 | Blastocystis sp. subtype 3 | 944168 | 4 | 7 | 18.18% | 4.31% | 99.65% |
| SRR5127770 | Blastocystis sp. subtype 2 | 944160 | 18 | 84 | 85.71% | 16.68% | 98.88% |
| SRR5127772 | Blastocystis sp. subtype 2 | 944160 | 16 | 108 | 76.19% | 21.80% | 99.02% |
| SRR5127773 | Blastocystis sp. subtype 2 | 944160 | 21 | 361 | 100.00% | 47.78% | 98.75% |
| SRR5127774 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 17 | 57 | 85.00% | 13.33% | 99.27% |
| SRR5127776 | Blastocystis sp. subtype 3 | 944168 | 3 | 6 | 13.64% | 3.07% | 99.68% |
| SRR5127778 | Cyberlindnera jadinii NRRL Y-1542 | 983966 | 3 | 6 | 1.73% | 4.02% | 99.25% |
| SRR5127780 | Blastocystis sp. subtype 2 | 944160 | 6 | 23 | 28.57% | 8.35% | 99.50% |
| SRR5127782 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 15 | 140 | 75.00% | 25.93% | 99.32% |
| SRR5127783 | Blastocystis sp. subtype 3 | 944168 | 22 | 369 | 100.00% | 43.53% | 99.37% |
| SRR5127783 | Giardia lamblia ATCC 50803 | 184922 | 9 | 29 | 45.00% | 11.72% | 98.97% |
| SRR5127788 | Saccharomyces cerevisiae S288C | 559292 | 3 | 6 | 1.65% | 3.51% | 100.00% |
| SRR5127791 | Blastocystis sp. subtype 3 | 944168 | 19 | 201 | 86.36% | 27.46% | 99.43% |
| SRR5127791 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 9.20% | 99.32% |
| SRR5127793 | Blastocystis sp. subtype 4 | 944170 | 8 | 34 | 80.00% | 11.72% | 99.79% |
| SRR5127793 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 3.21% | 100.00% |
| SRR5127796 | Blastocystis sp. subtype 3 | 944168 | 17 | 173 | 77.27% | 24.70% | 99.24% |
| SRR5127798 | Blastocystis sp. subtype 2 | 944160 | 11 | 38 | 52.38% | 11.25% | 99.22% |
| SRR5127801 | Blastocystis sp. subtype 2 | 944160 | 6 | 13 | 28.57% | 6.92% | 98.89% |
| SRR5127803 | Blastocystis sp. subtype 3 | 944168 | 4 | 8 | 18.18% | 7.06% | 99.11% |
| SRR5127806 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 5 | 10 | 25.00% | 3.34% | 99.42% |
| SRR5127810 | Blastocystis sp. subtype 4 | 944170 | 5 | 11 | 50.00% | 6.58% | 100.00% |
| SRR5127810 | Saccharomyces cerevisiae S288C | 559292 | 11 | 22 | 6.04% | 4.07% | 99.87% |
| SRR5127814 | Blastocystis sp. subtype 4 | 944170 | 2 | 5 | 20.00% | 5.15% | 100.00% |
| SRR5127815 | Blastocystis sp. subtype 2 | 944160 | 9 | 24 | 42.86% | 8.07% | 98.49% |
| SRR5127815 | Debaryomyces hansenii CBS767 | 284592 | 9 | 22 | 4.92% | 5.37% | 99.80% |
| SRR5127816 | Blastocystis sp. subtype 3 | 944168 | 2 | 4 | 9.09% | 2.70% | 100.00% |
| SRR5127819 | Blastocystis sp. subtype 2 | 944160 | 5 | 9 | 23.81% | 7.08% | 98.83% |
| SRR5127821 | Cyberlindnera jadinii NRRL Y-1542 | 983966 | 12 | 21 | 6.94% | 5.30% | 99.25% |
| SRR5127821 | Saccharomyces cerevisiae S288C | 559292 | 11 | 22 | 6.04% | 4.33% | 99.54% |
| SRR5127823 | Blastocystis sp. subtype 3 | 944168 | 21 | 233 | 95.45% | 32.19% | 99.55% |
| SRR5127823 | Pichia membranifaciens NRRL Y-2026 | 763406 | 2 | 4 | 1.20% | 21.17% | 99.59% |
| SRR5127823 | Saccharomyces cerevisiae S288C | 559292 | 2 | 4 | 1.10% | 1.71% | 99.40% |
| SRR5127825 | Saccharomyces cerevisiae S288C | 559292 | 3 | 6 | 1.65% | 1.57% | 99.62% |
| SRR5127828 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 12 | 44 | 60.00% | 11.30% | 99.47% |
| SRR5127829 | Saccharomyces cerevisiae S288C | 559292 | 5 | 10 | 2.75% | 2.74% | 99.65% |
| SRR5127831 | Blastocystis sp. subtype 2 | 944160 | 13 | 56 | 61.90% | 12.77% | 99.03% |
| SRR5127832 | Saccharomyces cerevisiae S288C | 559292 | 4 | 7 | 2.20% | 4.76% | 99.81% |
| SRR5127834 | Pichia fermentans | 53655 | 3 | 6 | 2.04% | 3.38% | 99.54% |
| SRR5127841 | Blastocystis sp. subtype 3 | 944168 | 20 | 166 | 90.91% | 21.25% | 99.43% |
| SRR5127841 | Saccharomyces cerevisiae S288C | 559292 | 5 | 9 | 2.75% | 3.01% | 99.79% |
| SRR5127842 | Blastocystis sp. subtype 2 | 944160 | 16 | 61 | 76.19% | 13.84% | 99.06% |
| SRR5127844 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 18 | 124 | 90.00% | 22.92% | 99.32% |
| SRR5127845 | Blastocystis sp. subtype 3 | 944168 | 6 | 11 | 27.27% | 4.90% | 99.14% |
| SRR5127847 | Blastocystis sp. subtype 3 | 944168 | 20 | 390 | 90.91% | 47.24% | 99.45% |
| SRR5127847 | Saccharomyces cerevisiae S288C | 559292 | 8 | 19 | 4.40% | 6.42% | 99.93% |
| SRR5127848 | Blastocystis sp. subtype 3 | 944168 | 4 | 13 | 18.18% | 6.66% | 99.20% |
| SRR5127848 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 3 | 10 | 15.00% | 6.59% | 99.28% |
| SRR5127850 | Blastocystis sp. subtype 4 | 944170 | 10 | 134 | 100.00% | 40.80% | 99.71% |
| SRR5127854 | Blastocystis sp. subtype 2 | 944160 | 11 | 30 | 52.38% | 8.88% | 99.22% |
| SRR5127854 | Saccharomyces cerevisiae S288C | 559292 | 3 | 5 | 1.65% | 7.64% | 100.00% |
| SRR5127855 | Blastocystis sp. subtype 2 | 944160 | 11 | 44 | 52.38% | 10.22% | 99.10% |
| SRR5127857 | Blastocystis sp. subtype 3 | 944168 | 22 | 269 | 100.00% | 33.57% | 99.46% |
| SRR5127858 | Blastocystis sp. subtype 2 | 944160 | 21 | 317 | 100.00% | 37.38% | 98.91% |
| SRR5127860 | Saccharomyces cerevisiae S288C | 559292 | 20 | 45 | 10.99% | 6.84% | 99.67% |

**Table S3.** Difference in EukDetect results for the 1000IBD and 500FG studies between pre- and post-rarefaction.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Genus | Diseasestatus | Abundancebeforerarefying | Abundanceafterrarefying | Difference inabundance |
| Blastocystis | control | 133 | 95 | 38 |
| Blastocystis | IBD | 20 | 14 | 6 |
| Candida | control | 1 | 1 | 0 |
| Candida | IBD | 6 | 2 | 4 |
| Clavispora | IBD | 1 | 1 | 0 |
| Cyberlindnera | control | 2 | 1 | 1 |
| Cyberlindnera | IBD | 1 | 0 | 1 |
| Debaryomyces | control | 4 | 1 | 3 |
| Debaryomyces | IBD | 4 | 3 | 1 |
| Giardia | control | 3 | 0 | 3 |
| Hanseniaspora | control | 1 | 0 | 1 |
| Malassezia | control | 2 | 0 | 2 |
| Malassezia | IBD | 1 | 1 | 0 |
| Meyerozyma | IBD | 1 | 0 | 1 |
| Nakaseomyces | IBD | 8 | 6 | 2 |
| Penicillium | control | 8 | 1 | 7 |
| Penicillium | IBD | 4 | 1 | 3 |
| Pichia | control | 3 | 1 | 2 |
| Saccharomyces | control | 46 | 13 | 33 |
| Saccharomyces | IBD | 64 | 31 | 33 |
| Wickerhamomyces | IBD | 1 | 1 | 0 |

**Table S4.** Results ofEukDetect for the faecal microbiota transplant study data.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sample ID | Taxa | TaxaID | Observedmarkers | Readcounts | Percentobservedmarkers | Totalmarkercoverage | Percentidentity |
| SRR11599159 | Pichia fermentans | 53655 | 3 | 5 | 2.04% | 8.77% | 99.53% |
| SRR11599159 | Candida tropicalis MYA-3404 | 294747 | 2 | 4 | 1.17% | 6.34% | 99.20% |
| SRR11599155 | Saccharomyces cerevisiae S288C | 559292 | 68 | 95 | 37.36% | 7.76% | 99.55% |
| SRR11599156 | Saccharomyces cerevisiae S288C | 559292 | 10 | 10 | 5.49% | 4.81% | 100.00% |
| SRR11599156 | Penicillium nalgiovense | 60175 | 5 | 6 | 2.42% | 4.33% | 100.00% |
| SRR11599156 | Debaryomyces hansenii CBS767 | 284592 | 4 | 5 | 2.19% | 7.90% | 100.00% |
| SRR11599156 | Penicillium | 5073 | 3 | 4 | 0.56% | 9.15% | 100.00% |
| SRR11599153 | Saccharomyces cerevisiae S288C | 559292 | 5 | 5 | 2.75% | 5.10% | 100.00% |
| SRR11599154 | Saccharomyces cerevisiae S288C | 559292 | 14 | 17 | 7.69% | 7.22% | 99.73% |
| SRR11599150 | Penicillium roqueforti FM164 | 1365484 | 4 | 4 | 2.01% | 4.87% | 100.00% |
| SRR11599152 | Penicillium roqueforti FM164 | 1365484 | 3 | 4 | 1.51% | 8.82% | 100.00% |
| SRR11599149 | Penicillium roqueforti FM164 | 1365484 | 3 | 4 | 1.51% | 5.67% | 100.00% |
| SRR11599143 | Pichia kluyveri | 36015 | 13 | 19 | 12.26% | 6.89% | 98.96% |
| SRR11599143 | Torulaspora delbrueckii | 4950 | 3 | 4 | 1.71% | 6.25% | 98.30% |
| SRR11599144 | Clavispora lusitaniae ATCC 42720 | 306902 | 10 | 10 | 5.78% | 3.22% | 99.32% |
| SRR11599142 | Blastocystis sp. subtype 2 | 944160 | 21 | 202 | 100.00% | 43.40% | 98.83% |
| SRR11599141 | Saccharomyces cerevisiae S288C | 559292 | 55 | 72 | 30.22% | 7.18% | 99.65% |
| SRR11599133 | Blastocystis sp. subtype 4 | 944170 | 4 | 14 | 40.00% | 20.04% | 99.77% |
| SRR11599177 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 11 | 32 | 55.00% | 15.03% | 99.21% |
| SRR11599129 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 5 | 15 | 25.00% | 13.24% | 99.14% |
| SRR11599118 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 10 | 14 | 50.00% | 9.23% | 99.03% |
| SRR11599096 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 10 | 22 | 50.00% | 12.12% | 99.03% |
| SRR11599151 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 10 | 14 | 50.00% | 8.60% | 99.36% |
| SRR11599140 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 3 | 4 | 15.00% | 8.52% | 98.87% |
| SRR11599114 | Penicillium roqueforti FM164 | 1365484 | 3 | 6 | 1.51% | 4.66% | 100.00% |
| SRR11599110 | Candida albicans SC5314 | 237561 | 13 | 15 | 7.74% | 5.70% | 99.75% |
| SRR11599110 | Saccharomyces cerevisiae S288C | 559292 | 8 | 8 | 4.40% | 9.10% | 100.00% |
| SRR11599109 | Saccharomyces cerevisiae S288C | 559292 | 10 | 13 | 5.49% | 5.44% | 99.77% |
| SRR11599108 | Pichia kudriavzevii | 4909 | 5 | 5 | 3.16% | 3.04% | 100.00% |
| SRR11599106 | Saccharomyces cerevisiae S288C | 559292 | 5 | 5 | 2.75% | 6.85% | 100.00% |
| SRR11599106 | Diutina catenulata | 45537 | 3 | 5 | 1.99% | 7.74% | 99.54% |
| SRR11599162 | Debaryomyces hansenii CBS767 | 284592 | 7 | 8 | 3.83% | 7.69% | 99.71% |
| SRR11599162 | Penicillium roqueforti FM164 | 1365484 | 6 | 6 | 3.02% | 4.57% | 100.00% |
| SRR11599162 | Saccharomyces cerevisiae S288C | 559292 | 4 | 4 | 2.20% | 6.86% | 99.60% |
| SRR11599122 | Saccharomyces cerevisiae S288C | 559292 | 11 | 11 | 6.04% | 4.93% | 99.86% |
| SRR11599123 | Saccharomyces cerevisiae S288C | 559292 | 22 | 26 | 12.09% | 5.62% | 99.82% |
| SRR11599123 | Pichia kudriavzevii | 4909 | 4 | 4 | 2.53% | 2.87% | 99.81% |
| SRR11599117 | Saccharomyces cerevisiae S288C | 559292 | 10 | 12 | 5.49% | 7.60% | 99.55% |
| SRR11599116 | Saccharomyces cerevisiae S288C | 559292 | 49 | 69 | 26.92% | 7.85% | 99.61% |
| SRR11599121 | Saccharomyces cerevisiae S288C | 559292 | 19 | 20 | 10.44% | 6.22% | 99.66% |
| SRR11599120 | Saccharomyces cerevisiae S288C | 559292 | 8 | 8 | 4.40% | 4.91% | 99.90% |
| SRR11599097 | Saccharomyces cerevisiae S288C | 559292 | 14 | 15 | 7.69% | 5.42% | 99.90% |
| SRR11599097 | Candida albicans SC5314 | 237561 | 4 | 4 | 2.38% | 9.14% | 100.00% |
| SRR11599098 | Saccharomyces cerevisiae S288C | 559292 | 37 | 48 | 20.33% | 7.23% | 99.75% |
| SRR11599098 | Candida albicans SC5314 | 237561 | 5 | 5 | 2.98% | 4.62% | 99.55% |
| SRR11599098 | Debaryomyces hansenii CBS767 | 284592 | 4 | 5 | 2.19% | 7.85% | 99.85% |
| SRR11599095 | Saccharomyces cerevisiae S288C | 559292 | 69 | 115 | 37.91% | 8.89% | 99.78% |
| SRR11599169 | Blastocystis sp. ATCC 50177/Nand II | 478820 | 15 | 74 | 75.00% | 23.55% | 99.18% |
| SRR11599078 | Penicillium roqueforti FM164 | 1365484 | 4 | 4 | 2.01% | 5.70% | 100.00% |
| SRR11599075 | Penicillium roqueforti FM164 | 1365484 | 7 | 7 | 3.52% | 4.66% | 100.00% |
| SRR11599073 | Penicillium roqueforti FM164 | 1365484 | 5 | 5 | 2.51% | 5.15% | 100.00% |
| SRR11599072 | Penicillium roqueforti FM164 | 1365484 | 33 | 38 | 16.58% | 6.69% | 100.00% |
| SRR11599076 | Penicillium roqueforti FM164 | 1365484 | 4 | 4 | 2.01% | 6.38% | 100.00% |
| SRR11599069 | Saccharomyces cerevisiae S288C | 559292 | 20 | 26 | 10.99% | 6.11% | 99.77% |
| SRR11599069 | Debaryomyces hansenii CBS767 | 284592 | 4 | 4 | 2.19% | 5.74% | 100.00% |
| SRR11599066 | Debaryomyces hansenii CBS767 | 284592 | 92 | 181 | 50.27% | 10.84% | 99.41% |
| SRR11599066 | Kluyveromyces lactis | 28985 | 7 | 9 | 4.29% | 4.15% | 99.91% |
| SRR11599066 | Kluyveromyces marxianus DMKU3-1042 | 1003335 | 4 | 5 | 2.44% | 8.19% | 99.85% |