

Extended Data

for

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

Gina L. Guzzo, Murthy N. Mittinty, Bastien Llamas, Jane M. Andrews, and Laura S.
Weyrich

Table 1. 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 2. Results of EukDetect for the 1000IBD and 500FG studies before rarefying.

Sample ID	Taxa	Taxa ID	Observed markers	Read counts	Percent observed markers	Total marker coverage	Percent identity
1000IBD00010	<i>Saccharomyces cerevisiae</i> S288C	559292	55	145	30.22%	7.88%	99.57%
1000IBD00014	<i>Candida albicans</i> SC5314	237561	11	26	6.55%	9.66%	100.00%
1000IBD00016	<i>Saccharomyces cerevisiae</i> S288C	559292	11	19	6.04%	8.64%	99.80%
1000IBD00035	<i>Saccharomyces cerevisiae</i> S288C	559292	4	8	2.20%	4.80%	100.00%
1000IBD00035	<i>Clavispora lusitaniae</i> ATCC 42720	306902	2	4	1.16%	2.68%	99.58%
1000IBD00041	<i>Saccharomyces cerevisiae</i> S288C	559292	6	11	3.30%	3.79%	99.19%
1000IBD00046	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	8.79%	98.90%
1000IBD00050	<i>Candida glabrata</i>	5478	5	12	3.12%	5.83%	99.87%
1000IBD00053	<i>Saccharomyces cerevisiae</i> S288C	559292	5	11	2.75%	6.74%	99.64%
1000IBD00058	<i>Saccharomyces cerevisiae</i> S288C	559292	6	10	3.30%	4.04%	99.64%
1000IBD00067	<i>Saccharomyces cerevisiae</i> S288C	559292	4	12	2.20%	9.40%	99.63%
1000IBD00067	<i>Candida albicans</i> SC5314	237561	3	7	1.79%	7.94%	99.84%
1000IBD00084	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	3.30%	100.00%
1000IBD00103	<i>Saccharomyces cerevisiae</i> S288C	559292	8	16	4.40%	4.67%	99.91%
1000IBD00107	<i>Saccharomyces cerevisiae</i> S288C	559292	120	520	65.93%	13.52%	99.68%
1000IBD00114	<i>Saccharomyces cerevisiae</i> S288C	559292	29	63	15.93%	7.71%	99.68%
1000IBD00122	<i>Saccharomyces cerevisiae</i> S288C	559292	3	6	1.65%	3.80%	99.71%
1000IBD00154	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	8.36%	99.45%
1000IBD00155	<i>Saccharomyces cerevisiae</i> S288C	559292	30	65	16.48%	7.19%	99.56%
1000IBD00157	<i>Malassezia restricta</i>	76775	3	6	2.00%	1.71%	99.49%
1000IBD00173	<i>Penicillium roqueforti</i> FM164	1365484	6	11	3.02%	5.70%	100.00%
1000IBD00187	<i>Saccharomyces cerevisiae</i> S288C	559292	18	38	9.89%	4.92%	99.61%
1000IBD00188	<i>Saccharomyces cerevisiae</i> S288C	559292	20	44	10.99%	5.31%	99.68%
1000IBD00197	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	2.59%	100.00%
1000IBD00198	<i>Blastocystis</i> sp. subtype 4	944170	8	31	80.00%	13.44%	99.77%
1000IBD00202	<i>Blastocystis hominis</i>	12968	3	10	23.08%	12.27%	99.07%
1000IBD00204	<i>Saccharomyces cerevisiae</i> S288C	559292	4	8	2.20%	3.42%	99.68%
1000IBD00206	<i>Blastocystis</i> sp. subtype 2	944160	7	24	33.33%	9.89%	99.13%
1000IBD00208	<i>Blastocystis</i> sp. subtype 4	944170	7	29	70.00%	17.13%	99.78%
1000IBD00225	<i>Saccharomyces cerevisiae</i> S288C	559292	37	87	20.33%	6.01%	99.76%

1000IBD00228	<i>Saccharomyces cerevisiae</i> S288C	559292	5	9	2.75%	4.16%	99.73%
1000IBD00239	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	7	21	35.00%	9.51%	99.25%
1000IBD00255	<i>Candida albicans</i> SC5314	237561	2	4	1.19%	5.88%	100.00%
1000IBD00266	<i>Saccharomyces cerevisiae</i> S288C	559292	3	6	1.65%	9.59%	100.00%
1000IBD00277	<i>Saccharomyces cerevisiae</i> S288C	559292	3	6	1.65%	4.52%	99.80%
1000IBD00281	<i>Saccharomyces cerevisiae</i> S288C	559292	4	7	2.20%	6.00%	100.00%
1000IBD00301	<i>Candida glabrata</i>	5478	9	19	5.62%	5.10%	99.73%
1000IBD00304	<i>Saccharomyces cerevisiae</i> S288C	559292	5	9	2.75%	4.13%	99.64%
1000IBD00310	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	5.93%	100.00%
1000IBD00329	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	3.19%	99.61%
1000IBD00339	<i>Candida glabrata</i>	5478	5	12	3.12%	8.20%	99.54%
1000IBD00342	<i>Blastocystis</i> sp. subtype 3	944168	14	53	63.64%	13.04%	99.44%
1000IBD00345	<i>Saccharomyces cerevisiae</i> S288C	559292	13	24	7.14%	7.19%	99.40%
1000IBD00349	<i>Blastocystis</i> sp. subtype 4	944170	10	66	100.00%	26.83%	99.77%
1000IBD00367	<i>Saccharomyces cerevisiae</i> S288C	559292	4	7	2.20%	7.89%	99.59%
1000IBD00370	<i>Saccharomyces cerevisiae</i> S288C	559292	3	7	1.65%	5.92%	99.63%
1000IBD00389	<i>Candida glabrata</i>	5478	5	11	3.12%	12.47%	99.77%
1000IBD00401	<i>Saccharomyces cerevisiae</i> S288C	559292	52	137	28.57%	7.93%	99.74%
1000IBD00401	<i>Candida glabrata</i>	5478	26	61	16.25%	8.10%	99.75%
1000IBD00416	<i>Saccharomyces cerevisiae</i> S288C	559292	3	6	1.65%	11.49%	98.06%
1000IBD00419	<i>Candida glabrata</i>	5478	17	45	10.62%	5.91%	99.65%
1000IBD00427	<i>Blastocystis</i> sp. subtype 9	1544353	6	29	54.55%	16.05%	99.60%
1000IBD00431	<i>Blastocystis</i> sp. subtype 2	944160	15	82	71.43%	19.69%	98.81%
1000IBD00433	<i>Blastocystis</i> sp. subtype 3	944168	5	7	22.73%	6.75%	99.39%
1000IBD00442	<i>Penicillium roqueforti</i> FM164	1365484	7	15	3.52%	5.60%	100.00%
1000IBD00469	<i>Saccharomyces cerevisiae</i> S288C	559292	3	6	1.65%	4.07%	99.75%
1000IBD00470	<i>Candida glabrata</i>	5478	25	59	15.62%	9.12%	99.62%
1000IBD00470	<i>Candida albicans</i> SC5314	237561	2	4	1.19%	10.34%	99.50%
1000IBD00485	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	4.52%	100.00%
1000IBD00495	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	7.23%	100.00%
1000IBD00502	<i>Saccharomyces cerevisiae</i> S288C	559292	4	7	2.20%	7.23%	100.00%
1000IBD00505	<i>Saccharomyces cerevisiae</i> S288C	559292	4	8	2.20%	2.56%	99.35%
1000IBD00510	<i>Blastocystis</i> sp. subtype 2	944160	21	300	100.00%	43.00%	98.72%
1000IBD00511	<i>Saccharomyces cerevisiae</i> S288C	559292	5	10	2.75%	5.68%	99.53%

1000IBD00512	<i>Saccharomyces cerevisiae</i> S288C	559292	41	95	22.53%	7.39%	99.69%
1000IBD00514	<i>Blastocystis</i> sp. subtype 3	944168	8	34	36.36%	13.58%	99.69%
1000IBD00535	<i>Saccharomyces cerevisiae</i> S288C	559292	8	20	4.40%	6.10%	99.36%
1000IBD00535	<i>Candida albicans</i> SC5314	237561	2	4	1.19%	4.25%	100.00%
1000IBD00541	<i>Saccharomyces cerevisiae</i> S288C	559292	6	12	3.30%	4.49%	100.00%
1000IBD00550	<i>Candida glabrata</i>	5478	46	109	28.75%	9.09%	99.58%
1000IBD00550	<i>Saccharomyces cerevisiae</i> S288C	559292	46	106	25.27%	7.72%	99.73%
1000IBD00556	<i>Saccharomyces cerevisiae</i> S288C	559292	128	582	70.33%	15.50%	99.66%
1000IBD00563	<i>Penicillium roqueforti</i> FM164	1365484	3	6	1.51%	5.29%	100.00%
1000IBD00565	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	5.89%	99.66%
1000IBD00569	<i>Saccharomyces cerevisiae</i> S288C	559292	8	18	4.40%	4.07%	99.68%
1000IBD00586	<i>Saccharomyces cerevisiae</i> S288C	559292	16	31	8.79%	5.78%	99.61%
1000IBD00593	<i>Saccharomyces cerevisiae</i> S288C	559292	5	10	2.75%	3.10%	99.37%
1000IBD00593	<i>Meyerozyma</i>	766728	3	6	1.94%	8.20%	100.00%
1000IBD00593	<i>Wickerhamomyces anomalus</i> NRRL Y-366-8	683960	2	4	1.14%	8.86%	97.66%
1000IBD00598	<i>Debaryomyces hansenii</i> CBS767	284592	6	13	3.28%	4.25%	99.50%
1000IBD00598	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	4.13%	99.48%
1000IBD00610	<i>Saccharomyces cerevisiae</i> S288C	559292	5	10	2.75%	5.52%	99.56%
1000IBD00613	<i>Blastocystis</i> sp. subtype 2	944160	10	28	47.62%	7.75%	99.19%
1000IBD00624	<i>Saccharomyces cerevisiae</i> S288C	559292	9	15	4.95%	3.16%	99.60%
1000IBD00627	<i>Penicillium roqueforti</i> FM164	1365484	4	10	2.01%	6.59%	100.00%
1000IBD00644	<i>Blastocystis</i> sp. subtype 3	944168	7	20	31.82%	7.35%	99.67%
1000IBD00645	<i>Saccharomyces cerevisiae</i> S288C	559292	4	7	2.20%	4.88%	99.85%
1000IBD00646	<i>Blastocystis</i> sp. subtype 3	944168	6	12	27.27%	5.88%	99.67%
1000IBD00649	<i>Saccharomyces cerevisiae</i> S288C	559292	5	10	2.75%	3.88%	99.87%
1000IBD00670	<i>Saccharomyces cerevisiae</i> S288C	559292	7	14	3.85%	4.72%	100.00%
1000IBD00676	<i>Debaryomyces hansenii</i> CBS767	284592	10	25	5.46%	13.26%	99.95%
1000IBD00682	<i>Blastocystis</i> sp. subtype 3	944168	10	36	45.45%	9.44%	99.84%
1000IBD00682	<i>Saccharomyces cerevisiae</i> S288C	559292	25	46	13.74%	7.44%	99.80%
1000IBD00698	<i>Saccharomyces cerevisiae</i> S288C	559292	25	49	13.74%	5.02%	99.71%
1000IBD00385	<i>Saccharomyces cerevisiae</i> S288C	559292	4	7	2.20%	6.64%	99.80%
1000IBD00394	<i>Debaryomyces hansenii</i> 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	<i>Saccharomyces cerevisiae</i> S288C	559292	4	9	2.20%	8.33%	99.85%
SRR5127619	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	10	28	50.00%	11.45%	99.43%
SRR5127620	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	11	30	55.00%	8.53%	99.13%
SRR5127621	<i>Blastocystis</i> sp. subtype 4	944170	7	41	70.00%	16.44%	99.96%
SRR5127622	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	5	11	25.00%	5.48%	99.68%
SRR5127627	<i>Blastocystis</i> sp. subtype 3	944168	10	32	45.45%	8.72%	99.68%
SRR5127627	<i>Penicillium roqueforti</i> FM164	1365484	4	7	2.01%	7.70%	99.84%
SRR5127628	<i>Blastocystis</i> sp. subtype 4	944170	2	4	20.00%	4.64%	99.52%
SRR5127629	<i>Saccharomyces cerevisiae</i> S288C	559292	6	9	3.30%	8.25%	99.72%
SRR5127630	<i>Blastocystis</i> sp. subtype 2	944160	21	282	100.00%	35.11%	99.02%
SRR5127633	<i>Blastocystis</i> sp. subtype 3	944168	19	153	86.36%	23.98%	99.54%
SRR5127634	<i>Debaryomyces hansenii</i> CBS767	284592	2	4	1.09%	2.74%	100.00%
SRR5127634	<i>Penicillium roqueforti</i> FM164	1365484	2	4	1.01%	7.12%	100.00%
SRR5127636	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	20	503	100.00%	56.98%	99.00%
SRR5127637	<i>Blastocystis</i> sp. subtype 2	944160	6	16	28.57%	9.15%	98.95%
SRR5127642	<i>Blastocystis</i> sp. subtype 3	944168	14	70	63.64%	12.59%	99.51%
SRR5127643	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	5	12	25.00%	5.78%	99.78%
SRR5127643	<i>Saccharomyces cerevisiae</i> S288C	559292	26	52	14.29%	5.43%	99.53%
SRR5127648	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	6	12	30.00%	4.10%	99.00%
SRR5127649	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	13.20%	100.00%
SRR5127651	<i>Saccharomyces cerevisiae</i> S288C	559292	51	121	28.02%	7.50%	99.70%
SRR5127655	<i>Blastocystis</i> sp. subtype 2	944160	16	56	76.19%	11.16%	98.89%
SRR5127657	<i>Saccharomyces cerevisiae</i> S288C	559292	3	5	1.65%	9.75%	100.00%
SRR5127667	<i>Blastocystis</i> sp. subtype 4	944170	8	125	80.00%	40.82%	99.73%
SRR5127667	<i>Penicillium roqueforti</i> FM164	1365484	4	7	2.01%	8.95%	100.00%
SRR5127672	<i>Pichia kudriavzevii</i>	4909	11	36	6.96%	6.85%	99.85%
SRR5127679	<i>Blastocystis</i> sp. subtype 2	944160	14	71	66.67%	14.98%	99.17%
SRR5127681	<i>Blastocystis</i> sp. subtype 3	944168	2	4	9.09%	5.85%	98.76%
SRR5127685	<i>Blastocystis</i> sp. subtype 2	944160	10	19	47.62%	5.25%	98.93%
SRR5127688	<i>Blastocystis</i> sp. subtype 3	944168	20	210	90.91%	29.74%	99.37%
SRR5127691	<i>Saccharomyces cerevisiae</i> S288C	559292	4	7	2.20%	8.00%	99.80%
SRR5127698	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	5.75%	100.00%
SRR5127707	<i>Blastocystis</i> sp. subtype 2	944160	17	62	80.95%	13.92%	99.01%
SRR5127709	<i>Blastocystis</i> sp. subtype 4	944170	9	46	90.00%	19.06%	99.84%
SRR5127710	<i>Blastocystis</i> 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	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	3.21%	100.00%
SRR5127796	<i>Blastocystis</i> sp. subtype 3	944168	17	173	77.27%	24.70%	99.24%
SRR5127798	<i>Blastocystis</i> sp. subtype 2	944160	11	38	52.38%	11.25%	99.22%
SRR5127801	<i>Blastocystis</i> sp. subtype 2	944160	6	13	28.57%	6.92%	98.89%
SRR5127803	<i>Blastocystis</i> sp. subtype 3	944168	4	8	18.18%	7.06%	99.11%
SRR5127806	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	5	10	25.00%	3.34%	99.42%
SRR5127810	<i>Blastocystis</i> sp. subtype 4	944170	5	11	50.00%	6.58%	100.00%
SRR5127810	<i>Saccharomyces cerevisiae</i> S288C	559292	11	22	6.04%	4.07%	99.87%
SRR5127814	<i>Blastocystis</i> sp. subtype 4	944170	2	5	20.00%	5.15%	100.00%
SRR5127815	<i>Blastocystis</i> sp. subtype 2	944160	9	24	42.86%	8.07%	98.49%
SRR5127815	<i>Debaryomyces hansenii</i> CBS767	284592	9	22	4.92%	5.37%	99.80%
SRR5127816	<i>Blastocystis</i> sp. subtype 3	944168	2	4	9.09%	2.70%	100.00%
SRR5127819	<i>Blastocystis</i> sp. subtype 2	944160	5	9	23.81%	7.08%	98.83%
SRR5127821	<i>Cyberlindnera jadinii</i> NRRL Y-1542	983966	12	21	6.94%	5.30%	99.25%
SRR5127821	<i>Saccharomyces cerevisiae</i> S288C	559292	11	22	6.04%	4.33%	99.54%
SRR5127823	<i>Blastocystis</i> sp. subtype 3	944168	21	233	95.45%	32.19%	99.55%
SRR5127823	<i>Pichia membranifaciens</i> NRRL Y-2026	763406	2	4	1.20%	21.17%	99.59%
SRR5127823	<i>Saccharomyces cerevisiae</i> S288C	559292	2	4	1.10%	1.71%	99.40%
SRR5127825	<i>Saccharomyces cerevisiae</i> S288C	559292	3	6	1.65%	1.57%	99.62%
SRR5127828	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	12	44	60.00%	11.30%	99.47%
SRR5127829	<i>Saccharomyces cerevisiae</i> S288C	559292	5	10	2.75%	2.74%	99.65%
SRR5127831	<i>Blastocystis</i> sp. subtype 2	944160	13	56	61.90%	12.77%	99.03%
SRR5127832	<i>Saccharomyces cerevisiae</i> S288C	559292	4	7	2.20%	4.76%	99.81%
SRR5127834	<i>Pichia fermentans</i>	53655	3	6	2.04%	3.38%	99.54%
SRR5127841	<i>Blastocystis</i> sp. subtype 3	944168	20	166	90.91%	21.25%	99.43%
SRR5127841	<i>Saccharomyces cerevisiae</i> S288C	559292	5	9	2.75%	3.01%	99.79%
SRR5127842	<i>Blastocystis</i> sp. subtype 2	944160	16	61	76.19%	13.84%	99.06%
SRR5127844	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	18	124	90.00%	22.92%	99.32%
SRR5127845	<i>Blastocystis</i> sp. subtype 3	944168	6	11	27.27%	4.90%	99.14%
SRR5127847	<i>Blastocystis</i> sp. subtype 3	944168	20	390	90.91%	47.24%	99.45%
SRR5127847	<i>Saccharomyces cerevisiae</i> S288C	559292	8	19	4.40%	6.42%	99.93%
SRR5127848	<i>Blastocystis</i> sp. subtype 3	944168	4	13	18.18%	6.66%	99.20%
SRR5127848	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	3	10	15.00%	6.59%	99.28%
SRR5127850	<i>Blastocystis</i> sp. subtype 4	944170	10	134	100.00%	40.80%	99.71%
SRR5127854	<i>Blastocystis</i> sp. subtype 2	944160	11	30	52.38%	8.88%	99.22%
SRR5127854	<i>Saccharomyces cerevisiae</i> 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 3. Difference in EukDetect results for the 1000IBD and 500FG studies between pre- and post-rarefaction.

Genus	Disease status	Abundance before rarefying	Abundance after rarefying	Difference in abundance
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 4. Results of EukDetect for the faecal microbiota transplant study data.

Sample ID	Taxa	Taxa ID	Observed markers	Read counts	Percent observed markers	Total marker coverage	Percent identity
SRR11599159	<i>Pichia fermentans</i>	53655	3	5	2.04%	8.77%	99.53%
SRR11599159	<i>Candida tropicalis</i> MYA-3404	294747	2	4	1.17%	6.34%	99.20%
SRR11599155	<i>Saccharomyces cerevisiae</i> S288C	559292	68	95	37.36%	7.76%	99.55%
SRR11599156	<i>Saccharomyces cerevisiae</i> S288C	559292	10	10	5.49%	4.81%	100.00%
SRR11599156	<i>Penicillium nalgiovense</i>	60175	5	6	2.42%	4.33%	100.00%
SRR11599156	<i>Debaryomyces hansenii</i> CBS767	284592	4	5	2.19%	7.90%	100.00%
SRR11599156	<i>Penicillium</i>	5073	3	4	0.56%	9.15%	100.00%
SRR11599153	<i>Saccharomyces cerevisiae</i> S288C	559292	5	5	2.75%	5.10%	100.00%
SRR11599154	<i>Saccharomyces cerevisiae</i> S288C	559292	14	17	7.69%	7.22%	99.73%
SRR11599150	<i>Penicillium roqueforti</i> FM164	1365484	4	4	2.01%	4.87%	100.00%
SRR11599152	<i>Penicillium roqueforti</i> FM164	1365484	3	4	1.51%	8.82%	100.00%
SRR11599149	<i>Penicillium roqueforti</i> FM164	1365484	3	4	1.51%	5.67%	100.00%
SRR11599143	<i>Pichia kluyveri</i>	36015	13	19	12.26%	6.89%	98.96%
SRR11599143	<i>Torulaspora delbrueckii</i>	4950	3	4	1.71%	6.25%	98.30%
SRR11599144	<i>Clavispora lusitaniae</i> ATCC 42720	306902	10	10	5.78%	3.22%	99.32%
SRR11599142	<i>Blastocystis</i> sp. subtype 2	944160	21	202	100.00%	43.40%	98.83%
SRR11599141	<i>Saccharomyces cerevisiae</i> S288C	559292	55	72	30.22%	7.18%	99.65%
SRR11599133	<i>Blastocystis</i> sp. subtype 4	944170	4	14	40.00%	20.04%	99.77%
SRR11599177	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	11	32	55.00%	15.03%	99.21%
SRR11599129	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	5	15	25.00%	13.24%	99.14%
SRR11599118	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	10	14	50.00%	9.23%	99.03%
SRR11599096	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	10	22	50.00%	12.12%	99.03%
SRR11599151	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	10	14	50.00%	8.60%	99.36%
SRR11599140	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	3	4	15.00%	8.52%	98.87%
SRR11599114	<i>Penicillium roqueforti</i> FM164	1365484	3	6	1.51%	4.66%	100.00%
SRR11599110	<i>Candida albicans</i> SC5314	237561	13	15	7.74%	5.70%	99.75%
SRR11599110	<i>Saccharomyces cerevisiae</i> S288C	559292	8	8	4.40%	9.10%	100.00%
SRR11599109	<i>Saccharomyces cerevisiae</i> S288C	559292	10	13	5.49%	5.44%	99.77%
SRR11599108	<i>Pichia kudriavzevii</i>	4909	5	5	3.16%	3.04%	100.00%

SRR11599106	<i>Saccharomyces cerevisiae</i> S288C	559292	5	5	2.75%	6.85%	100.00%
SRR11599106	<i>Diutina catenulata</i>	45537	3	5	1.99%	7.74%	99.54%
SRR11599162	<i>Debaryomyces hansenii</i> CBS767	284592	7	8	3.83%	7.69%	99.71%
SRR11599162	<i>Penicillium roqueforti</i> FM164	1365484	6	6	3.02%	4.57%	100.00%
SRR11599162	<i>Saccharomyces cerevisiae</i> S288C	559292	4	4	2.20%	6.86%	99.60%
SRR11599122	<i>Saccharomyces cerevisiae</i> S288C	559292	11	11	6.04%	4.93%	99.86%
SRR11599123	<i>Saccharomyces cerevisiae</i> S288C	559292	22	26	12.09%	5.62%	99.82%
SRR11599123	<i>Pichia kudriavzevii</i>	4909	4	4	2.53%	2.87%	99.81%
SRR11599117	<i>Saccharomyces cerevisiae</i> S288C	559292	10	12	5.49%	7.60%	99.55%
SRR11599116	<i>Saccharomyces cerevisiae</i> S288C	559292	49	69	26.92%	7.85%	99.61%
SRR11599121	<i>Saccharomyces cerevisiae</i> S288C	559292	19	20	10.44%	6.22%	99.66%
SRR11599120	<i>Saccharomyces cerevisiae</i> S288C	559292	8	8	4.40%	4.91%	99.90%
SRR11599097	<i>Saccharomyces cerevisiae</i> S288C	559292	14	15	7.69%	5.42%	99.90%
SRR11599097	<i>Candida albicans</i> SC5314	237561	4	4	2.38%	9.14%	100.00%
SRR11599098	<i>Saccharomyces cerevisiae</i> S288C	559292	37	48	20.33%	7.23%	99.75%
SRR11599098	<i>Candida albicans</i> SC5314	237561	5	5	2.98%	4.62%	99.55%
SRR11599098	<i>Debaryomyces hansenii</i> CBS767	284592	4	5	2.19%	7.85%	99.85%
SRR11599095	<i>Saccharomyces cerevisiae</i> S288C	559292	69	115	37.91%	8.89%	99.78%
SRR11599169	<i>Blastocystis</i> sp. ATCC 50177/Nand II	478820	15	74	75.00%	23.55%	99.18%
SRR11599078	<i>Penicillium roqueforti</i> FM164	1365484	4	4	2.01%	5.70%	100.00%
SRR11599075	<i>Penicillium roqueforti</i> FM164	1365484	7	7	3.52%	4.66%	100.00%
SRR11599073	<i>Penicillium roqueforti</i> FM164	1365484	5	5	2.51%	5.15%	100.00%
SRR11599072	<i>Penicillium roqueforti</i> FM164	1365484	33	38	16.58%	6.69%	100.00%
SRR11599076	<i>Penicillium roqueforti</i> FM164	1365484	4	4	2.01%	6.38%	100.00%
SRR11599069	<i>Saccharomyces cerevisiae</i> S288C	559292	20	26	10.99%	6.11%	99.77%
SRR11599069	<i>Debaryomyces hansenii</i> CBS767	284592	4	4	2.19%	5.74%	100.00%
SRR11599066	<i>Debaryomyces hansenii</i> CBS767	284592	92	181	50.27%	10.84%	99.41%
SRR11599066	<i>Kluyveromyces lactis</i>	28985	7	9	4.29%	4.15%	99.91%
SRR11599066	<i>Kluyveromyces marxianus</i> DMKU3-1042	1003335	4	5	2.44%	8.19%	99.85%