

Supplemental Table 5. Fungal lineages used to sort IBD from healthy pediatric controls. Results from Random Forests classifier of 95.2% fungal OTUs that discriminate the fecal microbiota according to health.

OTU-ID	Taxonomic assignment	Importance Score		Relative abundance of 95.2% ID OTU in each group (mean ± SD)					
		Average	Standard Error	Pediatric Healthy		IBD			
New.CleanUp.ReferenceOTU495	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.034173	0.005123	0.207	±	0.675	14.645	±	19.766
GU370744	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.029635	0.006735	357.241	±	1474.647	1818.968	±	1940.458
New.ReferenceOTU1	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.025741	0.003993	0.724	±	3.184	15.258	±	19.122
New.CleanUp.ReferenceOTU283	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.013555	0.002308	0.000	±	0.000	1.129	±	1.500
New.CleanUp.ReferenceOTU194	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.012790	0.002929	0.000	±	0.000	1.419	±	2.405
EU288196	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Incertae_sedis; g__Candida; s__Candida_tropicalis	0.007907	0.003095	34.000	±	116.998	185.258	±	257.346
AB369915	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Incertae_sedis; g__Candida; s__Candida_sp.	0.007002	0.003556	369.724	±	1364.184	545.806	±	1511.539
New.CleanUp.ReferenceOTU120	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Saccharomycetaceae; g__Debaryomyces; s__Debaryomyces_sp_R344	0.005081	0.002089	0.000	±	0.000	0.129	±	0.341
New.CleanUp.ReferenceOTU209	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.004332	0.002355	0.034	±	0.186	1.323	±	2.856
GQ458025	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Saccharomycetaceae; g__Debaryomyces	0.003748	0.002361	26.414	±	81.403	127.581	±	324.125
FJ430772	k__Fungi; p__Ascomycota; c__Eurotiomycetes; o__Eurotiales;	0.002603	0.001504	0.000	±	0.000	3.484	±	10.132

New.CleanUp.Re ferenceOTU378	f__Trichocomaceae; g__Penicillium; s__Penicillium_citrinum k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.002247	0.000947	0.000	±	0.000	0.355	±	0.798
New.CleanUp.Re ferenceOTU372	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.001503	0.000769	0.000	±	0.000	0.355	±	0.709
JN905688	k__Fungi; p__Basidiomycota; c__Tremellomycetes; o__Cystofilobasidiales; f__unidentified; g__unidentified; s__unculturedGuehomyces	0.001427	0.000977	6.966	±	37.510	23.258	±	80.593
New.CleanUp.Re ferenceOTU93	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.001414	0.001141	0.069	±	0.258	1.194	±	3.038
AM901904	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Incertae_sedis; g__Candida	0.001285	0.002208	43.862	±	151.129	73.194	±	213.854
New.CleanUp.Re ferenceOTU398	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.001199	0.000796	0.000	±	0.000	0.258	±	0.514
DQ683113	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Saccharomycetaceae; g__Debaryomyces	0.001387	0.001108	0.207	±	0.940	0.935	±	2.707
FN428887	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales	0.006926	0.002473	84.690	±	205.660	0.774	±	4.311
AM901773	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales	0.002747	0.001233	0.621	±	1.821	0.000	±	0.000
DQ683018	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales	0.001481	0.001069	0.448	±	1.378	0.000	±	0.000
EU490138	k__Fungi; p__Ascomycota; c__Dothideomycetes; o__Capnodiales; f__Mycosphaerellaceae; g__Cladosporium; s__Cladosporium_cladosporioides	0.001435	0.001143	15.241	±	36.810	4.806	±	8.912
New.ReferenceO TU2	k__Fungi; p__Ascomycota; c__Eurotiomycetes; o__Eurotiales; f__Trichocomaceae; g__Penicillium; s__Penicillium_roqueforti	0.001265	0.001143	27.483	±	79.488	0.935	±	3.172