

Supplemental Table 6. Fungal lineages used to sort IBD from healthy controls (pooled pediatric and adult). 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	Healthy		IBD	
New.CleanUp.ReferenceOTU495	k_Fungi; p_Ascomycota; c_Saccharomycetes; o_Saccharomycetales; f_Pichiaceae; g_Pichia; s_Pichia_jadinii	0.028690	0.003731	1.033	± 4.120	14.645	± 19.766
GU370744	k_Fungi; p_Ascomycota; c_Saccharomycetes; o_Saccharomycetales; f_Pichiaceae; g_Pichia; s_Pichia_jadinii	0.017258	0.003071	659.511	± 2626.004	1818.968	± 1940.458
EU288196	k_Fungi; p_Ascomycota; c_Saccharomycetes; o_Saccharomycetales; f_Incertae_sedis; g_Candida; s_Candida_tropicalis	0.015514	0.002635	14.211	± 69.415	185.258	± 257.346
New.ReferenceOTU1	k_Fungi; p_Ascomycota; c_Saccharomycetes; o_Saccharomycetales; f_Pichiaceae; g_Pichia; s_Pichia_jadinii	0.014734	0.003401	2.989	± 12.742	15.258	± 19.122
New.CleanUp.ReferenceOTU194	k_Fungi; p_Ascomycota; c_Saccharomycetes; o_Saccharomycetales; f_Pichiaceae; g_Pichia; s_Pichia_jadinii	0.011599	0.003261	0.067	± 0.328	1.419	± 2.405
New.CleanUp.ReferenceOTU209	k_Fungi; p_Ascomycota; c_Saccharomycetes; o_Saccharomycetales; f_Pichiaceae; g_Pichia; s_Pichia_jadinii	0.007729	0.002015	0.089	± 0.441	1.323	± 2.856
New.CleanUp.ReferenceOTU120	k_Fungi; p_Ascomycota; c_Saccharomycetes; o_Saccharomycetales; f_Saccharomycetaceae; g_Debaryomyces; s_Debaryomyces_sp_R344	0.005597	0.001956	0.000	± 0.000	0.129	± 0.341
GQ458025	k_Fungi; p_Ascomycota; c_Saccharomycetes; o_Saccharomycetales; f_Saccharomycetaceae; g_Debaryomyces	0.004499	0.001730	17.278	± 57.348	127.581	± 324.125
New.CleanUp.ReferenceOTU398	k_Fungi; p_Ascomycota; c_Saccharomycetes; o_Saccharomycetales; f_Pichiaceae; g_Pichia; s_Pichia_jadinii	0.004117	0.001058	0.000	± 0.000	0.258	± 0.514
New.CleanUp.ReferenceOTU283	k_Fungi; p_Ascomycota; c_Saccharomycetes; o_Saccharomycetales; f_Pichiaceae; g_Pichia; s_Pichia_jadinii	0.003488	0.001839	0.256	± 0.919	1.129	± 1.500
DQ683113	k_Fungi; p_Ascomycota; c_Saccharomycetes;	0.002649	0.001075	0.133	± 0.603	0.935	± 2.707

New.CleanUp.ReferenceOTU159	o__Saccharomycetales; f__Saccharomycetaceae; g__Debaryomyces k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.002220	0.000939	0.000	±	0.000	0.194 ± 0.477
New.CleanUp.ReferenceOTU93	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.002216	0.001361	0.100	±	0.369	1.194 ± 3.038
New.CleanUp.ReferenceOTU378	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Incertae_sedis; g__Candida; s__Candida_sp.	0.002215	0.001166	0.056	±	0.313	0.355 ± 0.798
AB369915	k__Fungi; p__Ascomycota; c__Eurotiomycetes; o__Eurotiales; f__Trichocomaceae; g__Penicillium; s__Penicillium_citrinum k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.002199	0.000932	276.033	±	906.876	545.806 ± 1511.539
FJ466722	k__Fungi; p__Basidiomycota; c__Tremellomycetes; o__Cystofilobasidiales; f__unidentified; g__unidentified; s__unculturedGuehomyces k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Incertae_sedis; g__Candida; s__Candida_tropicalis	0.002070	0.000796	0.000	±	0.000	3.484 ± 10.132
New.CleanUp.ReferenceOTU212	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii k__Fungi; p__Basidiomycota; c__Tremellomycetes; o__Cystofilobasidiales; f__unidentified;	0.001945	0.000977	0.011	±	0.105	0.129 ± 0.341
JN905688	g__unidentified; s__unculturedGuehomyces k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Incertae_sedis; g__Candida; s__Candida_tropicalis k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.001564	0.001037	7.522	±	41.467	23.258 ± 80.593
New.CleanUp.ReferenceOTU27	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Incertae_sedis; g__Candida; s__Candida_tropicalis	0.001290	0.000659	0.011	±	0.105	0.258 ± 0.682
New.CleanUp.ReferenceOTU140	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii	0.001290	0.000628	0.011	±	0.105	0.290 ± 0.824
New.CleanUp.ReferenceOTU416	k__Fungi; p__Ascomycota; c__Saccharomycetes; o__Saccharomycetales; f__Pichiaceae; g__Pichia; s__Pichia_jadinii k__Fungi; p__Ascomycota; c__Dothideomycetes; o__Capnodiales; f__Mycosphaerellaceae; g__Cladosporium; s__Cladosporium_cladosporioides	0.001613	0.000651	0.678	±	3.193	0.129 ± 0.341
EU490138	k__Fungi; p__Ascomycota; c__Eurotiomycetes; o__Eurotiales; f__Trichocomaceae; g__Eurotium; s__Eurotium_niveoglaucum k__Fungi; p__Ascomycota; c__Dothideomycetes; o__Pleosporales; f__Pleosporaceae; g__Alternaria;	0.001444	0.000887	36.767	±	112.166	4.806 ± 8.912
AM901702	0.001394	0.000716	12.500	±	68.748	2.226 ± 5.420	
EU489956	0.001081	0.001360	19.533	±	67.183	17.419 ± 45.593	

	s__Alternaria_sp_MY_2011				
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