

## DATA FILE S1

### Increased in CD vs non-IBD

Name	Log2 FC	Qvalue	Also increased in	
			UC vs Non-IBD	OTU-type 2 vs 1
Enterobacteriaceae(f)_295053	8.19	8.2E-05		x
Enterobacteriaceae(f)_236142	8.00	4.9E-05		
Enterobacteriaceae(f)_297771	7.91	5.4E-05		x
Enterobacteriaceae(f)_2749126	7.85	2.1E-03		x
Bacteroides_coprophilus_2730944	7.80	2.6E-03		
Enterobacteriaceae(f)_566243	7.74	3.8E-04		x
Enterobacteriaceae(f)_4392183	7.67	2.1E-04		x
Enterobacteriaceae(f)_4432891	7.62	1.5E-04		x
Enterobacteriaceae(f)_284014	7.53	5.0E-07		x
Enterobacteriaceae(f)_289709	7.47	9.9E-06		x
Enterobacteriaceae(f)_299267	7.37	6.7E-04		x
Enterobacteriaceae(f)_4407939	7.26	4.1E-04		x
Enterobacteriaceae(f)_4454531	7.13	2.6E-03		x
Enterobacteriaceae(f)_4354477	6.95	1.7E-03		x
Veillonella_dispar_4318671	6.94	4.1E-04		x
Serratia_marcescens_2304693	6.91	5.6E-04		x
Plesiomonas_147860	6.85	2.5E-03		x
Serratia_marcescens_1517154	6.77	4.5E-04		x
Enterobacteriaceae(f)_3867172	6.74	6.5E-03		
Enterobacteriaceae(f)_1028632	6.71	6.5E-03		x
Clostridium_4459634	6.67	0.01		
Enterobacteriaceae(f)_1108656	6.67	0.02		
Peptostreptococcaceae(f)_130402	6.66	4.4E-03		x
Enterobacteriaceae(f)_9727	6.61	2.1E-03		x
Serratia_marcescens_560465	6.55	0.01		
Ruminococcaceae(f)_840376	6.52	9.3E-03		
Enterobacteriaceae(f)_4380886	6.51	6.2E-03		x
Gammaproteobacteria(o)_300200	6.49	2.4E-03		x
Enterococcus_224813	6.47	5.0E-03		x
Ruminococcaceae(f)_178713	6.39	0.02		
Enterobacteriaceae(f)_148003	6.35	6.2E-03		x
Enterobacteriaceae(f)_292289	6.33	6.7E-04		x
Veillonella_dispar_4475758	6.24	1.2E-02		x
Serratia_558281	6.14	2.1E-03		x
Desulfovibrio_573061	6.13	0.01		x
Veillonella_dispar_4297420	6.12	6.2E-03		x
Veillonella_dispar_4316391	5.94	4.1E-04		x
Ruminococcaceae(f)_342487	5.89	0.01		
Veillonella_dispar_4371880	5.87	0.03		x
Peptostreptococcaceae(f)_308502	5.84	3.8E-04		x
Enterobacteriaceae(f)_3531225	5.83	0.02		x

Clostridiales(o)_36647	5.73	0.02		
Lachnospiraceae(f)_4343184	5.70	6.2E-03		
Enterobacteriaceae(f)_924547	5.69	1.5E-02		x
Enterobacteriaceae(f)_4457268	5.68	0.03		x
Ruminococcaceae(f)_189630	5.62	9.7E-03		
Sutterella_178885	5.62	0.03		
Ruminococcaceae(f)_230421	5.62	3.5E-03		
Ruminococcus_180509	5.59	6.5E-04		
Streptococcus_4416763	5.52	0.02		
Dorea_185668	5.48	0.04		x
Clostridiaceae(f)_180552	5.45	3.1E-03		
[Ruminococcus]_gnavus_198251	5.42	9.7E-03		x
Aggregatibacter_4363066	5.24	0.02		
Bifidobacterium_longum_591285	5.19	3.5E-03		
Bifidobacterium_adolescentis_4347159	5.14	1.3E-03		
Lachnospiraceae(f)_16340	5.12	0.03		
Actinomycetaceae(f)_4472050	4.98	0.03		
Clostridiales(o)_319870	4.95	0.01		
Bifidobacterium_132041	4.94	8.4E-03		
Ruminococcaceae(f)_184803	4.88	0.03		
Enterobacteriaceae(f)_510870	4.80	0.02		x
Streptococcus_4297222	4.78	0.03		
Blautia_producta_341930	4.73	0.04		
Ruminococcus_4331723	4.65	3.4E-03		
[Ruminococcus]_gnavus_184729	4.64	0.03		x
Veillonella_dispar_4326452	4.63	0.03		x
Actinomyces_526682	4.63	6.5E-03		x
Streptococcus_4467992	4.61	2.1E-03		x
Ruminococcus_189150	4.59	0.03		
Blautia_producta_192025	4.55	0.04		
Haemophilus_parainfluenzae_2654263	4.51	0.05		x
Bifidobacterium_4376828	4.45	9.9E-03		
Streptococcus_499109	4.42	0.01		x
Mycoplasma_136049	4.40	0.02		x
Coprococcus_188079	4.39	0.03		
Dorea_196176	4.38	0.03		x
Lachnospiraceae(f)_4479443	4.38	0.02		
Ruminococcus_180826	4.38	0.04		
Streptococcus_272150	4.33	3.3E-04	x	x
Lachnospiraceae(f)_193458	4.25	0.02		
Streptococcus_536866	4.21	0.01		x
Oscillospira_4366089	4.21	0.02		
Streptococcus_4425214	4.17	4.1E-04		x
Granulicatella_1696853	4.14	1.3E-03		x
Streptococcus_3166216	4.09	7.2E-03	x	x
Blautia_producta_212341	4.05	0.02		x
Veillonella_parvula_4391625	4.04	0.02		x

Bifidobacterium_4413347	4.00	0.02		
SMB53_316496	3.98	7.4E-03	x	
Bifidobacterium_pseudolongum_681370	3.85	0.03		
Streptococcus_3449122	3.80	0.01		x
Streptococcus_3723096	3.75	2.1E-03	x	x
Lachnospiraceae(f)_177986	3.73	0.05		x
Blautia_186427	3.63	0.02		
[Ruminococcus]_gnavus_307903	3.53	0.03		x
Bradyrhizobiaceae(f)_1144357	3.36	0.02		x
Mycoplasma_4461490	3.31	0.03		x
Veillonella_dispar_4458306	3.30	0.04		x
Parabacteroides_distasonis_4365130	3.29	0.04		
Peptostreptococcaceae(f)_1133172	3.29	0.05		
Lachnospiraceae(f)_289927	3.24	0.05		x
Clostridiaceae(f)_4434334	3.24	0.03		x
Lachnospiraceae(f)_310160	3.16	0.02		
Oscillospira_180468	2.80	0.05		
Gemellaceae(f)_4453535	2.62	0.05		x
Actinomyces_12574	2.53	0.02		x

## Decreased in CD vs non-IBD

Name	Log2 FC	Qvalue	Also decreased in	
			UC vs Non-IBD	OTU-type 2 vs 1
Lachnospiraceae(f)_189292	-7.04	2.1E-03	x	
Clostridiales(o)_182073	-6.96	2.1E-03		
Clostridiales(o)_4336940	-6.12	0.03		
Clostridiales(o)_197698	-5.85	0.01		x
Ruminococcaceae(f)_4396292	-5.85	7.4E-03		x
Oscillospira_4474760	-5.79	0.02		
Clostridiales(o)_36892	-5.79	0.01	x	
Ruminococcus_1139897	-5.75	8.4E-03		
Clostridiaceae(f)_337511	-5.58	0.05		x
Bacteroides_fragilis_4386507	-5.39	9.0E-03		
Lachnospiraceae(f)_4448492	-5.16	4.5E-03		
Bacteroides_fragilis_1918384	-5.07	0.02		
Bacteroides_fragilis_4377091	-5.04	0.01		
Clostridiales(o)_359509	-4.94	0.04		
Lachnospiraceae(f)_183039	-4.81	0.02		
Bacteroides_125270	-4.78	0.05		
Blautia_194615	-4.78	0.02		
Faecalibacterium_prausnitzii_181422	-4.72	1.5E-03		
Rikenellaceae(f)_107044	-4.70	0.04		
Lachnospiraceae(f)_2120784	-4.64	0.05	x	
Bacteroides_fragilis_4433823	-4.59	0.01	x	
Ruminococcaceae(f)_4094259	-4.58	0.01		
Lachnospiraceae(f)_4437368	-4.58	0.02		

Clostridiales(o)_309892	-4.46	0.01		
Lachnospiraceae(f)_4356065	-4.41	0.02	x	
Bacteroides_fragilis_2731539	-4.34	0.03	x	
Lachnospiraceae(f)_312586	-4.32	0.03	x	
Lachnospiraceae(f)_4254528	-4.30	0.01		
Roseburia_174998	-4.13	0.01		
Faecalibacterium_prausnitzii_184000	-4.07	0.02		
Lachnospiraceae(f)_192093	-4.04	0.04		
Ruminococcaceae(f)_193709	-3.93	0.01		
Clostridiales(o)_3756485	-3.89	0.05		
Lachnospira_316732	-3.84	0.02		
Bacteroides_fragilis_3325988	-3.84	0.05		
Ruminococcus_2979308	-3.78	0.02		
Clostridiales(o)_374557	-3.75	0.03	x	
Bacteroides_fragilis_4393172	-3.72	0.03		
Clostridiales(o)_183296	-3.70	0.05		
Faecalibacterium_prausnitzii_367417	-3.70	0.04		
Coprococcus_4405104	-3.67	0.03	x	
Ruminococcaceae(f)_174818	-3.66	0.01		
Roseburia_177055	-3.61	0.03		
Faecalibacterium_prausnitzii_319275	-3.57	0.05		
Lachnospiraceae(f)_193477	-3.57	0.01		
Lachnospiraceae(f)_198511	-3.56	0.05		
Bacteroides_fragilis_2200896	-3.35	0.02	x	
Clostridiales(o)_180307	-3.32	0.04		
Ruminococcaceae(f)_180285	-3.31	0.03		
Bacteroides_178478	-3.27	0.04	x	
Lachnospiraceae(f)_179637	-3.20	0.05		
Roseburia_faecis_2532173	-3.04	0.03		x
Blautia_194648	-3.02	0.02		
Ruminococcaceae(f)_195651	-2.83	0.04		
Blautia_191978	-2.69	0.03		

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			CD vs Non-IBD	OTU-type 2 vs 1
Turicibacter_248902	6.07	0.01		x
SMB53_3805518	5.99	0.03		
Turicibacter_294885	5.42	0.04		x
Blautia_436032	4.49	0.03		
Ruminococcaceae(f)_196982	4.41	0.04		
SMB53_316496	4.05	0.04	x	
Streptococcus_3166216	3.96	0.04	x	x
Streptococcus_3723096	3.64	0.03	x	x
Streptococcus_272150	3.29	0.04	x	x
Blautia_174747	2.88	0.04		

## Decreased in UC vs non-IBD

Name	Log2 FC	Qvalue	Also decreased in	
			CD vs Non-IBD	OTU-type 2 vs 1
Oscillospira_110192	-9.14	1.1E-03		
Clostridiales(o)_3973322	-7.37	0.03		
Clostridiales(o)_836693	-7.03	0.03		
Lachnospiraceae(f)_2120784	-6.78	0.03	x	
Clostridiales(o)_178712	-6.76	0.04		
Clostridiales(o)_36892	-6.75	0.03	x	
Parabacteroides_gordonii_150412	-6.73	0.04		
Bacteroides_fragilis_130663	-6.70	0.03		
Christensenellaceae(f)_363519	-6.58	0.04		
Ruminococcaceae(f)_145883	-6.54	0.01		
Ruminococcaceae(f)_300620	-6.46	0.03		
Lachnospiraceae(f)_4464065	-6.37	0.03		
Ruminococcaceae(f)_470117	-6.24	0.04		
Ruminococcus_198980	-6.16	0.03		
Lachnospiraceae(f)_189292	-6.04	0.04	x	
Bacteroides_fragilis_2731539	-5.98	0.03	x	
Akkermansia_muciniphila_548475	-5.87	0.03		x
Parabacteroides_4372003	-5.72	0.04		
Ruminococcus_278928	-5.69	0.03		x
Ruminococcaceae(f)_196307	-5.20	0.04		x
Lachnospiraceae(f)_4356065	-5.19	0.03	x	
Clostridiales(o)_374557	-5.08	0.03	x	
Lachnospiraceae(f)_312586	-5.06	0.05	x	
Coprococcus_4405104	-5.03	0.03	x	
Rikenellaceae(f)_4476780	-5.00	0.03		
Bacteroides_fragilis_4433823	-4.85	0.03	x	
Clostridiales(o)_4385326	-4.83	0.03		
Bacteroides_178478	-4.79	0.03	x	
Bacteroides_2656868	-4.69	0.03		
Ruminococcaceae(f)_194686	-4.56	0.04		x
Oscillospira_95502	-4.51	0.05		
Bacteroides_fragilis_2200896	-4.32	0.03	x	
Bacteroides_192055	-3.73	0.04		
Bacteroides_2061739	-3.61	0.03		

## Increased in OTU-type 2 vs. 1

Name	Log2 FC	Qvalue	Also increased in	
			CD vs Non-IBD	UC vs Non-IBD
Enterobacteriaceae(f)_528421	8.13	7.9E-06		
[Ruminococcus]_gnavus_3409376	7.99	2.1E-09		
Veillonellaceae(f)_4397439	7.60	2.2E-03		
Enterobacteriaceae(f)_540402	7.40	4.2E-03		

Coprococcus_300952	7.07	1.7E-08	
Enterobacteriaceae(f)_3908638	6.96	1.1E-03	
Lachnospiraceae(f)_183865	6.74	1.9E-10	
Dorea_2992128	6.73	3.8E-09	
[Ruminococcus]_gnavus_1111191	6.71	5.1E-09	
Enterobacteriaceae(f)_4368600	6.69	0.01	
Klebsiella_511908	6.68	5.7E-05	
Enterobacteriaceae(f)_4376230	6.67	0.01	
Enterobacteriaceae(f)_228556	6.49	0.01	
[Ruminococcus]_gnavus_196370	6.49	3.7E-06	
Salmonella_enterica_4350788	6.46	0.01	
Enterobacter_cowanii_176468	6.40	0.01	
Dorea_623471	6.25	1.2E-05	
Enterobacteriaceae(f)_3531225	6.25	1.0E-04	x
Erwinia_9912	6.22	0.01	
Enterobacteriaceae(f)_510870	6.18	2.2E-08	x
Enterobacteriaceae(f)_534965	6.18	0.02	
Enterobacteriaceae(f)_91962	6.16	0.02	
[Ruminococcus]_gnavus_190908	6.12	1.9E-08	
[Ruminococcus]_gnavus_2281172	6.11	4.3E-07	
Enterobacteriaceae(f)_4389289	6.11	0.02	
Erysipelotrichaceae(f)_3413566	6.09	9.3E-12	
Clostridiales(o)_334258	6.09	2.1E-05	
Lachnospiraceae(f)_188675	6.09	8.1E-07	
Lachnospiraceae(f)_199455	6.07	6.6E-06	
[Ruminococcus]_gnavus_164872	5.87	0.02	
Enterobacteriaceae(f)_366451	5.86	0.02	
Clostridiales(o)_206213	5.77	4.0E-06	
Lachnospiraceae(f)_186385	5.74	1.0E-05	
Lachnospiraceae(f)_191999	5.73	4.2E-08	
Clostridiales(o)_274115	5.69	8.2E-10	
Dorea_2789595	5.66	2.2E-04	
Enterobacteriaceae(f)_824742	5.62	0.03	
Coprococcus_186819	5.60	6.4E-06	
[Ruminococcus]_gnavus_4343631	5.59	8.1E-07	
Erwinia_806143	5.58	0.03	
[Ruminococcus]_gnavus_1713225	5.57	5.1E-07	
[Ruminococcus]_gnavus_182882	5.55	9.3E-12	
Lachnospiraceae(f)_2056188	5.55	5.0E-06	
Veillonella_dispar_4353251	5.53	1.1E-03	
Blautia_producta_192326	5.50	0.03	
Veillonella_dispar_4371880	5.50	2.2E-03	x
[Ruminococcus]_gnavus_182517	5.49	6.5E-12	
Veillonella_dispar_4326452	5.48	1.2E-05	x
Enterobacteriaceae(f)_819636	5.47	0.03	
Erysipelotrichaceae(f)_4390365	5.46	1.1E-06	
Veillonella_parvula_3889756	5.45	3.5E-02	

Lachnospiraceae(f)_195449	5.45	9.3E-08	
Clostridiales(o)_288442	5.41	1.7E-08	
Enterobacteriaceae(f)_746679	5.40	0.04	
Klebsiella_537085	5.39	0.04	
Streptococcus_237444	5.39	3.6E-03	
Enterococcus_224813	5.38	9.6E-05	x
Clostridiales(o)_192225	5.36	1.1E-08	
Bacteroides_fragilis_130663	5.31	2.3E-05	
Blautia_producta_3696710	5.31	2.7E-07	
Clostridiales(o)_295312	5.30	1.7E-03	
[Ruminococcus]_gnavus_183495	5.29	5.4E-07	
Clostridiaceae(f)_2325032	5.25	6.9E-04	
[Ruminococcus]_gnavus_4435690	5.24	3.7E-06	
[Ruminococcus]_gnavus_184729	5.24	3.1E-05	x
Prevotella_copri_189083	5.21	2.0E-07	
Lachnospiraceae(f)_548503	5.20	0.04	
Lachnospiraceae(f)_4444095	5.15	1.2E-05	
[Ruminococcus]_gnavus_363692	5.12	3.3E-03	
Bacilli(o)_225919	5.10	0.05	
Clostridiales(o)_321469	5.10	0.01	
Blautia_204681	5.10	3.9E-04	
[Ruminococcus]_gnavus_173722	5.09	0.05	
[Ruminococcus]_gnavus_259087	5.03	2.9E-07	
Lachnospiraceae(f)_4325261	4.98	0.04	
Dorea_4437917	4.97	1.7E-06	
Lachnospiraceae(f)_4086959	4.96	4.1E-09	
Enterobacteriaceae(f)_4454531	4.96	2.1E-03	x
[Ruminococcus]_gnavus_176704	4.95	2.7E-05	
Lachnospiraceae(f)_669005	4.94	1.4E-04	
Blautia_producta_4429536	4.93	1.6E-05	
Blautia_317205	4.93	0.01	
Lachnospiraceae(f)_4464065	4.92	2.0E-04	
Clostridiaceae(f)_743082	4.91	1.1E-02	
Clostridiales(o)_327931	4.89	4.5E-03	
Desulfovibrio_573061	4.87	2.5E-03	x
[Ruminococcus]_gnavus_197435	4.83	3.2E-06	
Lachnospiraceae(f)_4441615	4.81	2.2E-08	
Lachnospiraceae(f)_2148365	4.79	3.1E-08	
Blautia_1611482	4.77	4.8E-03	
[Ruminococcus]_gnavus_292294	4.77	5.5E-06	
Lachnospiraceae(f)_4094866	4.74	1.1E-11	
Lachnospiraceae(f)_177986	4.72	3.7E-06	x
Serratia_558281	4.70	1.1E-04	x
[Eubacterium]_dolichum_3709990	4.69	1.2E-11	
Ruminococcaceae(f)_189443	4.69	1.5E-06	
Lachnospiraceae(f)_132892	4.64	7.9E-07	
[Ruminococcus]_gnavus_193749	4.64	4.2E-08	

Lachnospiraceae(f)_176467	4.64	1.1E-03	
Veillonella_dispar_2676430	4.64	7.7E-04	
[Ruminococcus]_gnavus_194858	4.63	3.6E-07	
Lachnospiraceae(f)_4412022	4.62	2.1E-03	
Lachnospiraceae(f)_301549	4.62	1.1E-05	
Lachnospiraceae(f)_4404187	4.60	6.0E-03	
Catenibacterium_4480861	4.60	1.7E-04	
[Ruminococcus]_gnavus_110221	4.58	0.02	
[Eubacterium]_dolichum_851715	4.58	0.01	
Blautia_producta_290362	4.54	2.2E-04	
Fusobacterium_4405869	4.53	2.0E-03	
Veillonella_dispar_4475758	4.51	4.5E-03	x
[Ruminococcus]_gnavus_3750373	4.50	0.01	
Veillonella_dispar_4297420	4.50	1.0E-03	x
Gemellaceae(f)_925707	4.50	0.04	
Bacteroides_fragilis_1918384	4.49	1.5E-04	
Blautia_364048	4.47	3.5E-04	
Lachnospiraceae(f)_4473977	4.46	3.5E-03	
Clostridiales(o)_288930	4.46	1.2E-03	
[Ruminococcus]_gnavus_1624382	4.44	2.7E-05	
Butyrivibrio_777944	4.43	2.9E-06	
Ruminococcaceae(f)_187582	4.42	1.8E-06	
Enterobacteriaceae(f)_148003	4.41	3.2E-03	x
Erysipelotrichaceae(f)_45363	4.41	1.1E-03	
Enterobacteriaceae(f)_4407939	4.41	1.2E-03	x
[Ruminococcus]_gnavus_4426874	4.38	1.7E-03	
Ruminococcaceae(f)_197929	4.38	3.5E-06	
[Ruminococcus]_gnavus_331575	4.35	0.01	
Lachnospiraceae(f)_2688034	4.35	0.03	
Enterobacteriaceae(f)_4457268	4.33	0.01	x
Enterobacteriaceae(f)_9727	4.32	1.3E-03	x
Clostridiales(o)_4442899	4.32	1.0E-04	
Lachnospiraceae(f)_95974	4.31	0.03	
Lachnospiraceae(f)_4454025	4.30	5.4E-04	
Lachnospiraceae(f)_3857424	4.29	6.9E-05	
Blautia_195166	4.29	3.5E-05	
Blautia_179549	4.26	0.04	
Clostridiales(o)_184320	4.26	7.8E-05	
Blautia_198915	4.24	5.9E-03	
Lachnospiraceae(f)_4417418	4.23	1.1E-03	
Veillonella_parvula_4328910	4.23	2.7E-05	
Lactobacillus_289918	4.22	0.02	
Lachnospiraceae(f)_4028553	4.21	2.8E-06	
Lachnospiraceae(f)_268620	4.21	9.1E-04	
Clostridiaceae(f)_4439530	4.21	7.4E-03	
Anaerostipes_4412336	4.20	3.5E-03	
Bacteroides_fragilis_2430693	4.18	1.6E-03	



Clostridiales(o)_179861	4.16	0.02	
Coprococcus_217060	4.15	2.2E-06	
Lachnospiraceae(f)_3508701	4.09	4.4E-04	
Fusobacterium_4473295	4.09	0.02	
Clostridiales(o)_146226	4.08	1.3E-05	
Clostridiales(o)_4383924	4.07	9.1E-04	
Lachnospiraceae(f)_4440624	4.07	1.4E-03	
Blautia_320786	4.07	9.7E-04	
Enterobacteriaceae(f)_4392183	4.06	2.2E-03	x
Bacteroides_fragilis_4386507	4.06	2.8E-04	
Blautia_529608	4.05	5.3E-07	
Lachnospiraceae(f)_1602805	4.04	8.1E-07	
Peptostreptococcaceae(f)_130402	4.03	0.01	x
Lachnospiraceae(f)_290281	4.03	3.3E-03	
Blautia_351067	4.03	3.0E-04	
Clostridiales(o)_306368	4.01	1.2E-06	
Gammaproteobacteria(o)_300200	4.01	4.6E-03	x
Lactobacillus_zeae_1546671	4.01	0.04	
Enterobacteriaceae(f)_2749126	4.00	0.02	x
[Mogibacteriaceae](f)_145856	4.00	0.01	
Bacteroides_fragilis_2731539	4.00	1.7E-04	
Lachnospiraceae(f)_299858	4.00	1.2E-05	
Bacteroides_fragilis_4433823	4.00	9.6E-06	
Dorea_4470603	3.99	4.0E-03	
Veillonella_dispar_4316391	3.99	3.0E-05	x
Lachnospiraceae(f)_185251	3.99	3.1E-04	
Clostridiales(o)_34139	3.97	1.1E-04	
Bacteroides_fragilis_4393172	3.97	9.1E-06	
Coprococcus_72606	3.97	7.0E-05	
Dorea_834840	3.96	1.0E-03	
Rothia_mucilaginoso_4294457	3.96	0.02	
Lachnospiraceae(f)_340642	3.95	1.1E-04	
Lachnospiraceae(f)_296330	3.94	1.4E-04	
Bacteroides_fragilis_339599	3.93	0.01	
Bacteroides_fragilis_3325988	3.91	1.1E-04	
Lachnospiraceae(f)_4470092	3.91	6.0E-05	
Actinomyces_4334479	3.88	0.03	
Dorea_185668	3.87	0.02	x
Coprococcus_325279	3.86	0.03	
Enterobacteriaceae(f)_296358	3.86	0.03	
Dorea_4391326	3.85	8.2E-03	
Clostridiales(o)_536535	3.85	6.2E-03	
Enterobacteriaceae(f)_4354477	3.85	0.01	x
Clostridiales(o)_4347520	3.85	1.9E-06	
NA(o)_715138	3.84	1.4E-03	
Bacteroides_fragilis_4474593	3.84	9.2E-03	
Blautia_4404507	3.84	1.7E-03	

Veillonella_dispar_2406759	3.84	0.01	
Lachnospiraceae(f)_3747551	3.83	1.8E-03	
Blautia_producta_288367	3.82	1.8E-03	
Dialister_4437515	3.82	1.9E-04	
Clostridiales(o)_345986	3.81	5.9E-04	
Dialister_185555	3.80	2.4E-03	
Blautia_190956	3.80	9.8E-07	
Dorea_320430	3.78	1.2E-03	
Coprococcus_177933	3.77	1.3E-03	
Dorea_1557179	3.77	1.8E-03	
Blautia_producta_212341	3.76	1.1E-04	x
Lachnospiraceae(f)_13986	3.75	0.02	
[Eubacterium]_dolichum_3002161	3.73	4.1E-03	
Lachnospiraceae(f)_509709	3.72	4.5E-05	
Lachnospiraceae(f)_190502	3.72	3.0E-06	
Lachnospiraceae(f)_287580	3.71	1.5E-02	
Bacteroides_fragilis_4377091	3.71	3.1E-04	
Dialister_4405669	3.71	1.6E-03	
Clostridiaceae(f)_191797	3.69	3.3E-03	
Serratia_marcescens_2304693	3.69	4.0E-03	x
Oscillospira_3302038	3.69	3.6E-04	
Bacteroides_fragilis_2200896	3.68	2.2E-07	
Oscillospira_194425	3.68	1.7E-03	
Bacteroides_fragilis_183603	3.67	1.8E-06	
Blautia_99566	3.66	3.5E-07	
Blautia_297856	3.66	0.04	
Streptococcus_4424239	3.64	0.02	
Lachnospiraceae(f)_182428	3.64	1.9E-03	
Blautia_188690	3.64	5.8E-03	
Lachnospiraceae(f)_4359984	3.63	4.7E-08	
Lachnospiraceae(f)_4444262	3.62	5.0E-04	
Lachnospiraceae(f)_291794	3.62	0.04	
Dialister_358364	3.62	1.4E-03	
Lachnospiraceae(f)_302407	3.61	1.1E-04	
Peptostreptococcaceae(f)_534957	3.60	6.8E-03	
Streptococcus_3449122	3.59	1.9E-05	x
Blautia_193744	3.59	4.2E-08	
Bacteroides_uniformis_196664	3.59	0.02	
Blautia_363348	3.58	4.2E-08	
Ruminococcaceae(f)_327383	3.57	0.01	
Lachnospiraceae(f)_4030287	3.57	2.7E-03	
Oscillospira_3903651	3.57	4.2E-08	
Clostridiales(o)_833816	3.56	0.01	
Lachnospiraceae(f)_4379646	3.55	1.6E-04	
Oscillospira_1010876	3.55	1.6E-04	
[Ruminococcus]_2686590	3.55	9.1E-04	
[Ruminococcus]_gnavus_295075	3.55	0.02	

Bacteroides_524442	3.52	0.02	
Blautia_producta_338355	3.51	0.01	
[Ruminococcus]_4458700	3.50	3.7E-04	
Ruminococcaceae(f)_211907	3.50	3.2E-03	
Clostridiales(o)_4356466	3.49	0.04	
Lachnospiraceae(f)_4446238	3.48	0.02	
Streptococcus_92535	3.48	2.8E-03	
Ruminococcaceae(f)_192857	3.48	0.02	
Planococcaceae(f)_1061772	3.48	1.9E-04	
Streptococcus_499109	3.48	9.0E-04	x
Clostridiales(o)_345303	3.47	0.03	
Enterobacteriaceae(f)_924547	3.47	0.02	x
Fingoldia_1096610	3.46	0.01	
Clostridiales(o)_184497	3.45	4.6E-03	
[Ruminococcus]_4464533	3.45	0.03	
Lachnospiraceae(f)_183925	3.45	0.01	
Dorea_4422656	3.44	6.7E-03	
Enterobacteriaceae(f)_4380886	3.44	0.03	x
Enterobacteriaceae(f)_1028632	3.44	0.03	x
Blautia_197481	3.44	9.3E-08	
Blautia_191395	3.44	1.0E-06	
Lachnospiraceae(f)_4316569	3.43	0.02	
Lachnospiraceae(f)_4429608	3.43	4.8E-05	
Blautia_360660	3.43	9.3E-08	
Blautia_177349	3.42	2.8E-07	
Sutterella_4217226	3.39	8.2E-03	
Blautia_331253	3.38	6.7E-07	
Oscillospira_3302039	3.36	9.0E-03	
Lachnospiraceae(f)_196748	3.36	0.02	
Ruminococcaceae(f)_327969	3.36	7.0E-03	
Clostridium_296420	3.35	0.03	
Clostridiaceae(f)_342666	3.35	0.03	
Enterobacteriaceae(f)_299267	3.35	0.02	x
Haemophilus_parainfluenzae_2654263	3.35	0.01	x
Blautia_191601	3.35	2.2E-07	
Coprococcus_4307265	3.34	4.8E-03	
Veillonella_511378	3.34	0.04	
Blautia_180629	3.34	1.7E-07	
Dialister_4364011	3.34	4.1E-03	
Erysipelotrichaceae(f)_4379449	3.34	3.3E-03	
Lachnospiraceae(f)_289927	3.34	1.3E-04	x
Enterobacteriaceae(f)_292289	3.33	0.00	x
[Ruminococcus]_gnavus_189403	3.33	0.02	
Dorea_196176	3.33	4.2E-03	x
Blautia_531582	3.33	9.2E-07	
Streptococcus_536866	3.33	5.0E-04	x
[Ruminococcus]_3438642	3.32	1.3E-04	

Enterobacteriaceae(f)_295053	3.32	0.01	x
Lachnospiraceae(f)_634449	3.32	1.7E-03	
Blautia_174589	3.31	1.7E-07	
[Ruminococcus]_gnavus_198251	3.31	0.01	x
Lachnospiraceae(f)_294440	3.31	2.1E-03	
Blautia_367456	3.31	1.9E-07	
Dorea_3673770	3.30	1.8E-03	
Dorea_179319	3.30	1.6E-05	
Dorea_formicigenerans_197248	3.30	0.03	
Bacteroides_fragilis_128205	3.29	0.01	
Dialister_753638	3.29	0.01	
Ruminococcaceae(f)_296134	3.29	4.5E-06	
Clostridiales(o)_322840	3.29	0.03	
Lachnospiraceae(f)_4422727	3.28	9.5E-03	
Dorea_1877675	3.28	0.05	
Blautia_360392	3.27	1.5E-05	
[Ruminococcus]_gnavus_2901239	3.27	2.1E-03	
Dorea_653954	3.27	0.03	
Veillonella_dispar_4318671	3.27	0.01	x
Blautia_4208927	3.27	2.6E-06	
Blautia_194993	3.27	4.1E-05	
Blautia_311080	3.26	1.1E-03	
Blautia_365167	3.25	7.9E-06	
Plesiomonas_147860	3.25	0.03	x
Corynebacterium_durum_964220	3.24	3.0E-04	
Dorea_180577	3.24	0.01	
Dorea_291784	3.24	2.4E-04	
Blautia_335577	3.23	6.0E-07	
Blautia_191740	3.23	2.5E-06	
Lachnospiraceae(f)_174471	3.23	0.03	
[Ruminococcus]_torques_4381338	3.22	7.7E-03	
Blautia_183857	3.22	1.7E-06	
Blautia_364274	3.22	0.05	
Clostridiales(o)_4348107	3.22	2.6E-03	
Lachnospiraceae(f)_105976	3.22	3.4E-06	
Streptococcus_4425214	3.21	8.0E-07	x
Ruminococcaceae(f)_360995	3.20	2.3E-07	
Blautia_359493	3.20	4.3E-07	
Bacteroides_fragilis_4476964	3.20	0.02	
Bifidobacterium_4335781	3.20	0.02	
Blautia_362568	3.19	3.2E-07	
Lachnospiraceae(f)_4361101	3.19	2.5E-02	
Lachnospiraceae(f)_174473	3.19	4.2E-08	
Lachnospiraceae(f)_4245940	3.19	2.4E-02	
Blautia_185563	3.18	8.2E-07	
Clostridiales(o)_292892	3.17	0.01	
Veillonella_parvula_4391625	3.17	6.4E-04	x

Blautia_187385	3.17	8.0E-07		
Peptostreptococcaceae(f)_308502	3.16	8.2E-04	x	
Sarcina_300662	3.16	0.01		
Oscillospira_181084	3.14	0.01		
Clostridiales(o)_649107	3.14	1.4E-03		
Blautia_131559	3.14	4.4E-06		
Lachnospiraceae(f)_301156	3.13	0.03		
Dialister_4388437	3.13	0.01		
Veillonella_dispar_4458306	3.13	2.2E-04	x	
Clostridiales(o)_269091	3.12	0.02		
Lachnospiraceae(f)_571081	3.12	4.9E-05		
Enterobacteriaceae(f)_284014	3.09	5.6E-04	x	
Ruminococcaceae(f)_178299	3.09	7.9E-06		
Peptostreptococcaceae(f)_547714	3.09	3.9E-03		
Peptostreptococcaceae(f)_919806	3.09	0.03		
Dorea_formicigenerans_186652	3.08	6.5E-04		
Dialister_2704013	3.08	0.02		
Enterobacteriaceae(f)_566243	3.08	0.03	x	
Blautia_297970	3.07	1.8E-03		
Lachnospiraceae(f)_178764	3.07	2.0E-03		
[Eubacterium]_dolichum_161001	3.07	0.01		
Clostridiales(o)_187144	3.07	0.01		
Lachnospiraceae(f)_4377328	3.06	0.02		
Lachnospiraceae(f)_555445	3.06	0.04		
Dorea_formicigenerans_4015729	3.05	3.5E-04		
Blautia_363735	3.05	3.3E-03		
Dialister_4432433	3.05	0.02		
Dorea_197050	3.05	0.04		
Enterobacteriaceae(f)_297771	3.04	0.01	x	
Lachnospiraceae(f)_317048	3.04	0.02		
Dialister_403701	3.04	0.02		
Haemophilus_parainfluenzae_2914680	3.03	0.03		
Enterobacteriaceae(f)_289709	3.02	2.6E-03	x	
Lachnospiraceae(f)_301062	3.02	9.2E-03		
Ruminococcaceae(f)_2855173	3.01	0.01		
Clostridiales(o)_547287	3.01	0.02		
Streptococcus_3166216	3.00	5.4E-04	x	x
Dorea_192396	3.00	0.01		
Lachnospiraceae(f)_2254001	3.00	0.03		
Lachnospiraceae(f)_174415	2.99	0.03		
Veillonella_4458959	2.99	0.01		
Haemophilus_parainfluenzae_4375080	2.98	1.4E-03		
Blautia_4296217	2.98	7.4E-03		
Clostridiales(o)_30587	2.98	4.0E-03		
Actinomyces_12574	2.97	2.5E-07	x	
Mycoplasma_136049	2.97	5.5E-03	x	
Lachnospiraceae(f)_290632	2.96	0.01		

Blautia_13995	2.95	1.3E-03		
Haemophilus_parainfluenzae_4383918	2.93	0.03		
Clostridiales(o)_166869	2.93	2.2E-03		
Lachnospiraceae(f)_2549971	2.93	2.6E-03		
Lachnospiraceae(f)_302683	2.93	3.1E-05		
Actinomyces_4459560	2.92	1.4E-04		
Ruminococcaceae(f)_21195	2.92	0.02		
Atopobium_4451251	2.91	8.8E-03		
Clostridiaceae(f)_191218	2.90	0.03		
Lachnospiraceae(f)_361845	2.89	0.02		
[Eubacterium]_dolichum_4382457	2.89	0.03		
Blautia_183824	2.89	1.5E-06		
Streptococcus_3723096	2.89	1.3E-05	x	x
Bacteroides_192839	2.89	4.5E-04		
Erysipelotrichaceae(f)_592616	2.88	2.8E-03		
Lachnospiraceae(f)_291950	2.88	1.4E-04		
Clostridiales(o)_2500766	2.88	9.4E-03		
Clostridiales(o)_142325	2.88	0.02		
Streptococcus_2953981	2.88	0.04		
Enterobacteriaceae(f)_4432891	2.88	0.02	x	
Dorea_171718	2.87	1.6E-03		
Eggerthella_lenta_4393532	2.86	1.2E-03		
Mogibacterium_787663	2.86	5.2E-03		
Prevotella_1077373	2.85	0.03		
Lachnospiraceae(f)_293990	2.85	1.6E-04		
Bacteroides_260410	2.84	1.8E-03		
Lachnospiraceae(f)_320055	2.84	0.02		
Streptococcus_523025	2.83	0.03		
Lachnospiraceae(f)_3244992	2.82	0.02		
Clostridiales(o)_176865	2.82	2.4E-03		
Lachnospiraceae(f)_4431558	2.81	1.8E-05		
Lachnospiraceae(f)_4372382	2.81	0.05		
Clostridiales(o)_181903	2.81	5.3E-03		
Dorea_176877	2.80	2.3E-06		
Lachnospiraceae(f)_297577	2.79	9.1E-03		
Coprococcus_197897	2.79	1.7E-03		
Turicibacter_294885	2.79	0.02		x
Streptococcus_881857	2.78	0.03		
Oscillospira_304777	2.76	1.4E-03		
Clostridiales(o)_359509	2.75	0.03		
Rothia_mucilaginosa_932077	2.75	0.01		
Bacteroides_4475642	2.75	1.6E-03		
Oribacterium_4310395	2.75	0.04		
Peptostreptococcaceae(f)_4354577	2.75	2.1E-03		
Dorea_288941	2.74	1.6E-04		
Dorea_297182	2.73	5.4E-03		
Lachnospiraceae(f)_2868079	2.73	0.01		

Dorea_4225004	2.72	8.2E-04		
Haemophilus_parainfluenzae_4374638	2.72	0.02		
Lachnospiraceae(f)_196135	2.72	1.5E-04		
Dialister_340113	2.71	0.03		
[Ruminococcus]_gnavus_348642	2.71	0.02		
Lachnospiraceae(f)_193480	2.71	0.04		
Blautia_producta_576975	2.71	0.05		
Dorea_839545	2.70	0.02		
[Ruminococcus]_gnavus_263138	2.70	0.03		
Blautia_182107	2.69	1.2E-05		
Serratia_marcescens_1517154	2.69	0.02	x	
Lachnospiraceae(f)_295361	2.68	0.03		
Dorea_290101	2.68	0.02		
Clostridiales(o)_189297	2.68	0.03		
[Mogibacteriaceae](f)_333859	2.66	0.01		
Oribacterium_686900	2.66	0.01		
Dialister_4346490	2.64	0.05		
[Ruminococcus]_4477479	2.62	2.6E-03		
Streptococcus_272150	2.62	8.9E-05	x	x
Blautia_194513	2.60	0.04		
Blautia_221784	2.60	0.02		
Ruminococcaceae(f)_470117	2.58	0.04		
Blautia_341433	2.58	0.04		
Ruminococcaceae(f)_197343	2.58	5.9E-03		
Dorea_323794	2.57	0.03		
Acidaminococcus_2829179	2.56	3.3E-04		
Lachnospiraceae(f)_175704	2.56	1.1E-04		
Bradyrhizobiaceae(f)_1144357	2.56	1.9E-03	x	
Clostridium_174497	2.56	0.03		
Gemellaceae(f)_4453535	2.56	4.1E-04	x	
Clostridiaceae(f)_4434334	2.56	1.7E-03	x	
Rikenellaceae(f)_107044	2.55	0.03		
Lachnospiraceae(f)_295417	2.55	0.04		
Faecalibacterium_prausnitzii_339087	2.52	0.02		
Blautia_362389	2.52	2.8E-04		
Lachnospiraceae(f)_296872	2.51	0.05		
Blautia_193061	2.51	0.02		
Streptococcus_941096	2.50	6.3E-03		
Blautia_365194	2.49	0.04		
Lachnospiraceae(f)_196100	2.49	3.2E-05		
Clostridiaceae(f)_183089	2.48	0.01		
[Ruminococcus]_torques_175474	2.47	0.01		
Lachnospiraceae(f)_2391105	2.46	0.03		
Faecalibacterium_prausnitzii_183049	2.46	5.2E-03		
Bacteroides_186841	2.45	2.2E-04		
Lachnospiraceae(f)_300672	2.43	0.01		
Mycoplasma_4461490	2.43	0.01	x	

Lachnospiraceae(f)_2128807	2.42	0.03		
Lachnospiraceae(f)_198521	2.42	1.9E-03		
Clostridiales(o)_4393565	2.41	6.8E-03		
[Mogibacteriaceae](f)_4335578	2.41	0.03		
Blautia_4359797	2.41	2.4E-04		
[Ruminococcus]_2686369	2.40	2.3E-03		
Blautia_194615	2.40	0.02		
Clostridiales(o)_182735	2.39	0.04		
Lachnospiraceae(f)_196577	2.38	0.03		
Clostridiales(o)_194089	2.38	3.5E-04		
Clostridiales(o)_834948	2.38	0.01		
Clostridiales(o)_177702	2.37	0.05		
Holdemania_15728	2.34	1.8E-03		
Dorea_185281	2.34	0.02		
Lachnospiraceae(f)_179460	2.33	0.02		
Blautia_189588	2.32	4.5E-04		
Clostridiales(o)_182062	2.32	0.02		
Blautia_363029	2.29	2.9E-03		
Blautia_525378	2.29	2.9E-05		
Blautia_193666	2.29	3.8E-04		
Clostridiales(o)_180307	2.29	4.9E-03		
Lachnospiraceae(f)_186262	2.28	0.02		
Bacteroides_195258	2.25	5.6E-05		
Prevotella_4399109	2.24	0.01		
Granulicatella_1696853	2.24	2.2E-03	x	
Prevotella_copri_173565	2.23	0.03		
Clostridiales(o)_298379	2.23	0.02		
Dorea_197765	2.22	0.01		
Ruminococcaceae(f)_2066056	2.21	0.05		
Clostridiales(o)_175972	2.20	4.8E-03		
Lachnospiraceae(f)_178439	2.19	0.05		
Blautia_178382	2.19	0.05		
Ruminococcaceae(f)_174288	2.19	0.01		
Ruminococcaceae(f)_311499	2.18	0.01		
Lachnospiraceae(f)_184178	2.18	0.03		
Blautia_2035344	2.17	4.9E-03		
[Ruminococcus]_gnavus_307903	2.15	0.02	x	
Lachnospiraceae(f)_176080	2.15	0.01		
Ruminococcus_3235048	2.14	0.03		
Ruminococcaceae(f)_4439469	2.12	4.3E-03		
Dorea_290548	2.10	0.01		
Actinomyces_526682	2.09	0.03	x	
Ruminococcaceae(f)_185021	2.08	9.1E-04		
Turicibacter_248902	2.08	0.04		x
Clostridiales(o)_182196	2.06	1.2E-03		
Bacteroides_2656868	2.06	4.0E-03		
Lachnospiraceae(f)_194733	2.05	3.9E-03		



Ruminococcaceae(f)_4431545	2.05	2.9E-03	
Clostridiales(o)_181689	2.04	0.02	
Ruminococcaceae(f)_3577387	2.04	0.02	
Dorea_1667433	2.04	0.00	
Bacteroides_2563561	2.03	0.01	
Lachnospiraceae(f)_47477	2.02	0.04	
Lachnospiraceae(f)_194899	2.01	4.0E-03	
Lachnospiraceae(f)_4397737	2.00	0.03	
Clostridium_186389	1.99	8.6E-04	
Faecalibacterium_prausnitzii_1943669	1.99	0.03	
Lachnospiraceae(f)_303897	1.99	0.01	
Blautia_197354	1.95	2.6E-03	
Ruminococcus_4472091	1.94	0.01	
Lachnospiraceae(f)_291147	1.93	0.05	
Bacteroides_eggerthii_4414420	1.92	0.05	
Clostridiales(o)_183169	1.92	2.8E-03	
Clostridiales(o)_181644	1.91	0.05	
Bacteroides_315429	1.91	0.03	
Lachnospiraceae(f)_361972	1.90	0.03	
Lachnospiraceae(f)_195941	1.90	0.03	
Coprococcus_197022	1.89	0.05	
Ruminococcaceae(f)_369014	1.89	3.3E-03	
Bacteroides_192684	1.89	1.4E-03	
Streptococcus_4467992	1.89	0.03	x
Lachnospiraceae(f)_516553	1.88	0.02	
Bulleidia_moorei_851938	1.88	0.02	
Ruminococcaceae(f)_1579962	1.88	0.04	
Clostridiales(o)_295737	1.88	0.03	
Ruminococcaceae(f)_177342	1.87	0.04	
[Prevotella]_4474533	1.86	0.03	
Bacteroides_2061739	1.84	2.2E-03	
Lachnospiraceae(f)_4469302	1.83	0.02	
Lachnospiraceae(f)_4435400	1.82	5.7E-03	
Ruminococcaceae(f)_335816	1.81	0.01	
Clostridiales(o)_180640	1.79	2.0E-03	
Lachnospiraceae(f)_321290	1.79	3.8E-03	
[Ruminococcus]_191050	1.77	0.03	
Lachnospiraceae(f)_192983	1.75	9.5E-03	
Faecalibacterium_prausnitzii_184000	1.75	0.04	
Clostridiales(o)_295250	1.75	0.04	
Blautia_191978	1.74	4.8E-03	
[Ruminococcus]_gnavus_185088	1.73	0.02	
Bacteroides_ovatus_187623	1.71	0.02	
Lachnospiraceae(f)_529905	1.70	0.04	
Anaerostipes_541415	1.68	0.01	
Lachnospiraceae(f)_4334624	1.67	0.03	
Blautia_181756	1.56	0.03	

Bacteroides_3583645	1.54	0.05		
Ruminococcaceae(f)_193709	1.54	0.04		
Ruminococcaceae(f)_180155	1.51	0.03		
Lachnospiraceae(f)_521496	1.46	0.03		
Bacteroides_182117	1.42	0.04		
Bacteroides_199190	1.39	0.02		
Blautia_192542	1.38	0.01		
Bacteroides_192255	1.36	0.02		
Bacteroides_caccae_193528	1.32	0.02		
Bacteroides_caccae_184567	1.32	0.05		
Blautia_176450	1.15	0.04		

## Decreased in OTU-type 2 vs. 1

Name	Log2 FC	Qvalue	Also decreased in	
			CD vs Non-IBD	UC vs Non-IBD
Clostridiales(o)_168289	-7.43	2.1E-06		
Rikenellaceae(f)_2617854	-6.84	5.1E-10		
Ruminococcaceae(f)_191651	-6.82	1.9E-05		
Rikenellaceae(f)_214031	-6.64	1.0E-06		
Ruminococcaceae(f)_178713	-5.98	6.9E-04		
Clostridium_290974	-5.87	1.3E-03		
Lachnospiraceae(f)_173917	-5.76	2.9E-05		
Ruminococcaceae(f)_4404181	-5.71	1.3E-04		
Ruminococcaceae(f)_4446669	-5.47	1.5E-04		
Clostridiales(o)_309795	-5.44	4.5E-03		
Ruminococcaceae(f)_319693	-5.40	2.6E-03		
Ruminococcaceae(f)_178799	-5.40	1.4E-03		
Coriobacteriaceae(f)_177478	-5.27	3.8E-04		
Coprococcus_208901	-5.23	0.01		
Parabacteroides_gordonii_194286	-5.22	3.0E-04		
Clostridiales(o)_352604	-5.21	6.9E-03		
Ruminococcaceae(f)_350189	-5.16	1.1E-03		
Lachnospiraceae(f)_16340	-5.13	2.3E-04		
Lachnospiraceae(f)_4483337	-5.11	3.2E-06		
Ruminococcaceae(f)_3236435	-5.04	1.3E-03		
Clostridiales(o)_133719	-5.00	0.01		
[Mogibacteriaceae](f)_208539	-4.91	3.6E-03		
Ruminococcus_flavifaciens_1122673	-4.86	1.3E-05		
Clostridium_324315	-4.85	0.02		
Ruminococcaceae(f)_1102370	-4.82	1.8E-03		
Ruminococcaceae(f)_190453	-4.74	0.02		
Clostridium_4122608	-4.65	0.01		
Clostridium_4465124	-4.58	4.9E-04		
Ruminococcaceae(f)_521792	-4.55	0.01		
Ruminococcaceae(f)_190705	-4.52	7.8E-03		
Clostridiales(o)_187355	-4.50	2.2E-03		

Ruminococcaceae(f)_4381054	-4.48	0.04	
Clostridiales(o)_4419459	-4.45	3.9E-03	
Ruminococcaceae(f)_793109	-4.42	6.0E-03	
Ruminococcaceae(f)_840376	-4.35	4.8E-03	
Clostridiales(o)_187816	-4.33	3.2E-05	
Lachnospiraceae(f)_185864	-4.32	4.5E-04	
Lachnospiraceae(f)_334573	-4.30	0.01	
Ruminococcus_flavofaciens_44827	-4.29	0.02	
Lachnospiraceae(f)_184394	-4.16	3.1E-03	
Ruminococcaceae(f)_183207	-4.05	3.8E-03	
Ruminococcaceae(f)_188192	-4.00	1.0E-03	
Ruminococcus_227697	-3.92	0.01	
Ruminococcaceae(f)_762699	-3.89	2.2E-03	
Lachnospiraceae(f)_175698	-3.87	1.4E-05	
Ruminococcaceae(f)_188747	-3.83	3.6E-03	
Lachnospiraceae(f)_177047	-3.83	0.03	
Ruminococcaceae(f)_196307	-3.79	2.2E-04	x
Ruminococcaceae(f)_195950	-3.79	0.02	
Ruminococcaceae(f)_327218	-3.76	1.1E-03	
Ruminococcaceae(f)_215231	-3.76	0.01	
Lachnospiraceae(f)_189324	-3.76	9.0E-04	
Lachnospiraceae(f)_292745	-3.74	6.0E-03	
Ruminococcaceae(f)_341264	-3.74	0.04	
Ruminococcaceae(f)_4300690	-3.73	0.03	
Dehalobacterium_858999	-3.69	0.02	
Ruminococcaceae(f)_182044	-3.69	0.01	
Rikenellaceae(f)_4331760	-3.64	3.4E-03	
Ruminococcus_512114	-3.63	0.02	
Ruminococcaceae(f)_340711	-3.62	0.01	
Ruminococcus_174614	-3.62	0.01	
Ruminococcaceae(f)_288651	-3.60	0.01	
Ruminococcaceae(f)_312766	-3.59	6.0E-03	
Ruminococcaceae(f)_4465072	-3.58	8.2E-04	
Clostridiales(o)_4301511	-3.57	8.3E-04	
Ruminococcus_264978	-3.56	2.9E-03	
Ruminococcaceae(f)_519880	-3.56	0.02	
[Barnesiellaceae](f)_4476561	-3.55	0.04	
Clostridiales(o)_310979	-3.54	0.02	
Lachnospiraceae(f)_4458576	-3.48	0.01	
Ruminococcaceae(f)_290284	-3.48	0.04	
Lachnospiraceae(f)_843357	-3.46	0.01	
Coprococcus_266062	-3.46	0.01	
Clostridiales(o)_1835985	-3.46	0.04	
[Barnesiellaceae](f)_4356080	-3.40	0.01	
Clostridiales(o)_4425663	-3.40	0.02	
Oscillospira_4408801	-3.36	0.01	
Lachnospiraceae(f)_125624	-3.35	5.5E-03	

Clostridiales(o)_179744	-3.34	0.04		
Ruminococcaceae(f)_178773	-3.31	0.02		
Coprococcus_188079	-3.31	0.01		
Clostridiaceae(f)_337511	-3.26	0.05	x	
Oscillospira_176104	-3.26	0.01		
Coprococcus_4425669	-3.24	3.7E-03		
Rikenellaceae(f)_3084481	-3.21	0.02		
Ruminococcaceae(f)_366352	-3.20	0.01		
Ruminococcaceae(f)_306711	-3.17	0.05		
Ruminococcaceae(f)_4412540	-3.17	0.01		
Lachnospiraceae(f)_168071	-3.17	0.02		
Clostridiaceae(f)_180552	-3.15	3.3E-03		
[Barnesiellaceae](f)_3090117	-3.14	8.2E-03		
Clostridiales(o)_4451392	-3.07	9.5E-03		
Ruminococcus_180826	-3.06	0.01		
Ruminococcaceae(f)_187882	-3.06	2.0E-03		
Oscillospira_4314257	-3.01	0.02		
Ruminococcaceae(f)_4370941	-3.00	0.02		
Ruminococcaceae(f)_3530697	-2.98	2.2E-04		
Ruminococcaceae(f)_4484075	-2.97	4.1E-03		
Clostridiales(o)_308322	-2.97	0.01		
Clostridiales(o)_351835	-2.97	2.0E-03		
Ruminococcus_278928	-2.96	3.9E-03		x
Lachnospiraceae(f)_2388088	-2.96	0.02		
Lachnospiraceae(f)_4479443	-2.95	6.8E-03		
Clostridiales(o)_199710	-2.93	1.6E-03		
Ruminococcus_180509	-2.93	2.0E-03		
Ruminococcaceae(f)_179201	-2.90	0.03		
Ruminococcaceae(f)_178353	-2.83	0.01		
Ruminococcaceae(f)_181161	-2.83	2.2E-03		
Ruminococcus_173792	-2.80	0.04		
Clostridiales(o)_149437	-2.80	0.01		
Rikenellaceae(f)_4453609	-2.79	2.3E-03		
Ruminococcaceae(f)_4396292	-2.79	0.01	x	
[Ruminococcus]_4420959	-2.79	0.02		
Ruminococcus_194816	-2.78	0.02		
Ruminococcaceae(f)_186136	-2.78	0.04		
Ruminococcaceae(f)_195619	-2.77	0.01		
Ruminococcus_189150	-2.73	2.6E-02		
Faecalibacterium_prausnitzii_2771891	-2.73	1.4E-03		
Ruminococcaceae(f)_688923	-2.72	0.01		
Clostridiales(o)_300646	-2.71	0.01		
Bacteroides_185420	-2.70	2.9E-03		
Ruminococcaceae(f)_291266	-2.66	0.01		
Ruminococcaceae(f)_189924	-2.66	1.4E-03		
Ruminococcaceae(f)_181174	-2.65	0.02		
Ruminococcus_148121	-2.65	0.01		

Ruminococcaceae(f)_182911	-2.64	0.04		
Oscillospira_212686	-2.62	0.01		
Bacteroides_180421	-2.62	0.03		
Lachnospira_355975	-2.60	8.7E-03		
Ruminococcaceae(f)_375106	-2.59	0.04		
Clostridiales(o)_197698	-2.59	0.04	x	
Ruminococcaceae(f)_4468466	-2.55	0.03		
Coprococcus_4428676	-2.55	0.01		
Ruminococcaceae(f)_177697	-2.54	0.02		
Lachnospiraceae(f)_2119695	-2.47	0.02		
Ruminococcaceae(f)_187504	-2.47	4.4E-03		
Ruminococcaceae(f)_4364405	-2.46	0.02		
Lachnospiraceae(f)_176808	-2.46	5.5E-03		
Ruminococcaceae(f)_188872	-2.44	0.02		
Ruminococcaceae(f)_188764	-2.43	1.3E-03		
Ruminococcaceae(f)_193778	-2.43	0.02		
Ruminococcaceae(f)_571642	-2.41	0.01		
Oscillospira_4366089	-2.41	0.02		
Akkermansia_muciniphila_548475	-2.38	0.04		x
[Mogibacteriaceae](f)_147484	-2.36	0.04		
Lachnospiraceae(f)_4472130	-2.33	9.3E-03		
Ruminococcaceae(f)_48084	-2.26	0.01		
Ruminococcaceae(f)_1679707	-2.25	0.03		
Ruminococcus_174712	-2.21	0.02		
Ruminococcaceae(f)_187007	-2.20	0.03		
Ruminococcaceae(f)_341221	-2.18	0.05		
Clostridiales(o)_323189	-2.17	0.02		
Odoribacter_4454586	-2.17	0.05		
Ruminococcus_194101	-2.15	0.04		
Ruminococcaceae(f)_194686	-2.11	0.02		x
Adlercreutzia_173965	-2.09	0.03		
Parabacteroides_191251	-2.08	0.05		
Lachnospira_3424188	-2.08	0.02		
Christensenellaceae(f)_217109	-2.03	0.02		
Bacteroides_uniformis_182886	-2.01	0.01		
Ruminococcaceae(f)_193572	-1.92	0.03		
Clostridiales(o)_370357	-1.90	0.02		
Clostridiales(o)_2402366	-1.89	0.03		
Ruminococcaceae(f)_192438	-1.83	0.02		
Ruminococcaceae(f)_4343226	-1.80	0.05		
Ruminococcaceae(f)_182036	-1.78	0.04		
Ruminococcaceae(f)_730906	-1.76	0.05		
Ruminococcaceae(f)_194471	-1.74	0.05		
Lachnospiraceae(f)_4396426	-1.73	0.03		
Lachnobacterium_3943186	-1.64	0.04		
Clostridiales(o)_177032	-1.55	0.04		
Roseburia_faecis_2532173	-1.48	0.05	x	

Lachnospiraceae(f)_4481195	-1.48	0.03		
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