Dysbiosis of Fungal Microbiota in the Intestinal Mucosa of Patients with Colorectal Adenomas

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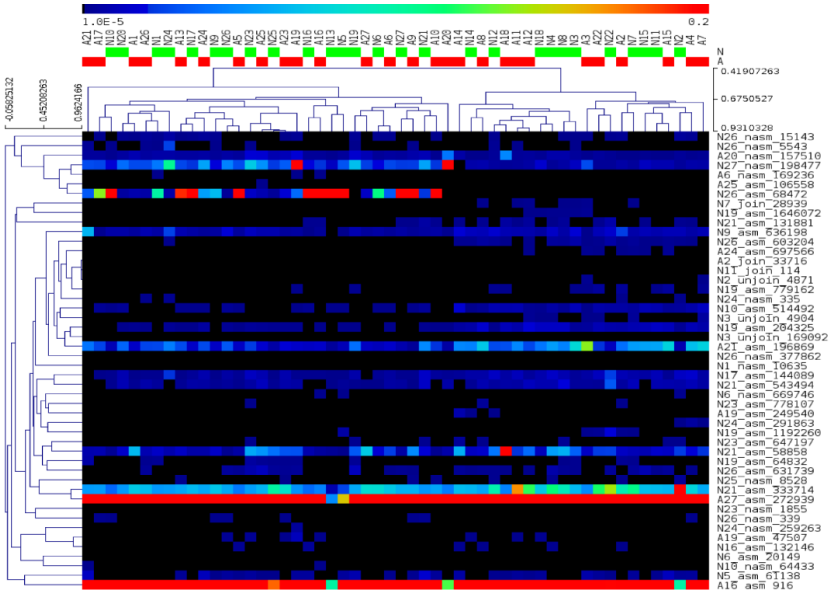
Supplementary Information

The supplementary information includes:

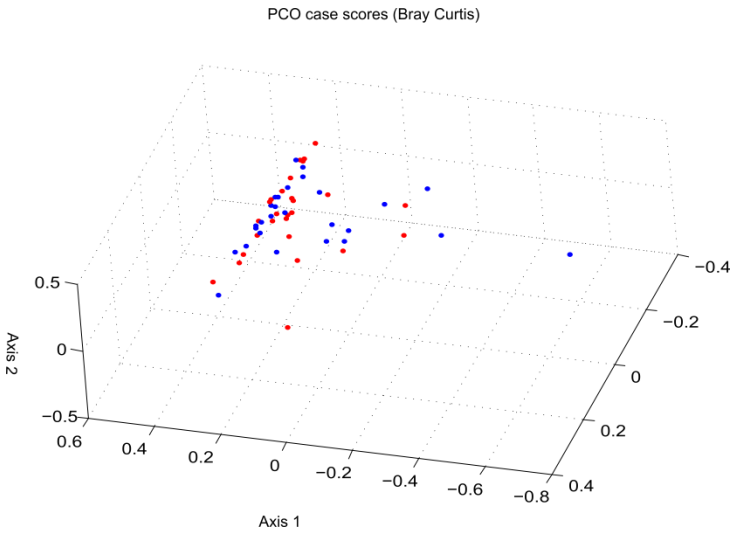
Supplementary Figures S1 and S2.

Supplementary Tables S1 and S2.

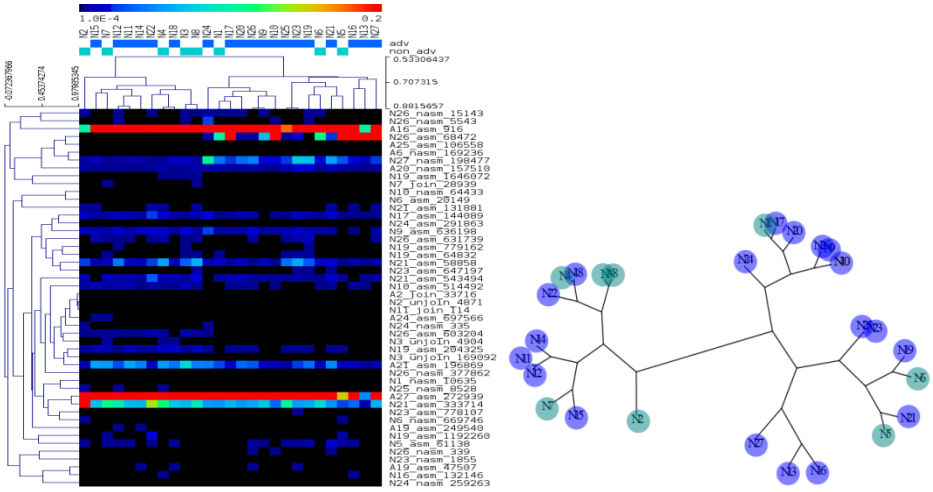
Supplementary Figures



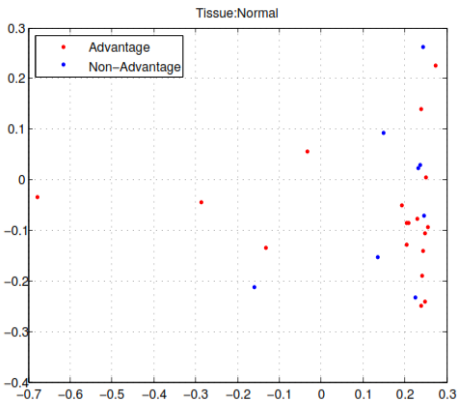
Supplement figure 1 A. The heat-map of the global mycobiome of the adenomas and normal mucosa biopsies based on the core OTUs.



Supplement figure 1 B. The relationship of PCA component between adenomas and normal mucosa biopsies based on the core OTUs. Red dots indicate the adenomas mucosa biopsies, blue dots indicates the normal mucosa biopsies.



Supplement figure 2 A. The heatmap and hierarchical clustering of normal mucosal biopsies in advanced and non advanced stage subjects based on the core OTUs.



Supplement figure 2 B. The PCA analysis of normal mucosa biopsies in advanced and non advanced stage subjects.

Table S1 . The profile of Phylum, Genus and OTU.

Phylum	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27
Ascomycota	0.931775	0.913373	0.773201	0.872165	0.660941	0.903293	0.873416	0.878726	0.756661	0.697376	0.902858	0.918373	0.741277	0.896877	0.86476	0.569463	0.799817	0.880592	0.685901	0.449652	0.878683	0.923859	0.898206	0.817713	0.877744	0.922277	0.93486
Basidiomycota	0.007582	0.033851	0.052617	0.048232	0.009939	0.015005	0.037309	0.037868	0.00671	0.010141	0.039401	0.040858	0.010465	0.046638	0.043413	0.005825	0.004491	0.039107	0.017502	0.01046	0.014702	0.041372	0.019812	0.034119	0.026604	0.011271	0.003177
Chytridiomycota	0.000355	0.004787	0.001697	0.001334	0.000121	0.000609	0.001702	0	0	0	0.001326	0.002401	0.00E+00	0.001285	0.002548	0	6.36E-05	4.31E-05	0.000164	7.51E-04	0	0.001128	1.02E-03	0.000762	1.12E-04	0.001147	2.66E-04
Glomeromycota	0.014704	0.039828	0.137188	0.069118	0.013869	0.015194	0.078093	0.073004	0.00362	0.021361	0.048868	0.028309	0.028375	0.047705	0.078679	0.015072	0.026039	0.029463	0.015148	0.006199	0.041045	0.025497	0.018426	0.028112	0.017226	0.025944	0.014021
Neocallimastigomycota	0	0	0	0	0	7.12E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unclassified	0.045584	0.00816	0.035297	0.009151	0.31513	0.065898	0.00948	0.010403	0.233008	0.271123	0.007546	0.010058	0.219884	0.007495	0.010601	0.40964	0.169589	0.050794	0.281285	0.532938	0.065571	0.008145	0.062539	0.119294	0.078315	0.039361	0.047675

Phylum	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24	N25	N26	N27
Ascomycota	0.814291	0.947486	0.875685	0.886964	0.589271	0.846077	0.899834	0.888531	0.88923	0.489301	0.882635	0.925434	0.163156	0.923107	0.897502	0.610986	0.680893	0.898013	0.85059	0.890407	0.808401	0.903212	0.838437	0.810448	0.949526	0.891164	0.701228
Basidiomycota	0.009319	0.034766	0.022739	0.044163	0.01114	0.006505	0.036389	0.050046	0.005958	0.005936	0.045601	0.035105	0.004171	0.020103	0.028018	0.010313	0.015302	0.038376	0.024049	0.022836	0.053637	0.07127	0.030135	0.025401	0.008752	0.020371	0.008651
Chytridiomycota	5.07E-05	0.00113	0.000717	5.93E-05	0	8.02E-05	0.002689	0	7.42E-05	0	0.001508	0.000468	2.20E-05	0.001081	0.001439	0	0.00E+00	0.001071	0	0.000206	0	0.006748	0.000405	7.03E-04	0	0.001197	0
Glomeromycota	0.027103	0.008914	0.083146	0.057693	0.010504	0.011989	0.05591	0.048276	0.014109	0.009737	0.059629	0.027821	0.004281	0.046724	0.058116	0.013439	0.015001	0.043609	0.040684	0.036662	0.048077	0.012823	0.024015	0.044005	0.006356	0.031789	0.009093
Neocallimastigomycota	0	0	0	0	0	0	0	0	0	0	0	0.000987	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0
unclassified	0.149236	0.007704	0.017713	0.011122	0.389085	0.135349	0.005177	0.013146	0.090629	0.495025	0.010628	0.010185	0.82837	0.008984	0.014925	0.365292	0.288805	0.018931	0.084676	0.049888	0.089885	0.005946	0.107008	0.119442	0.035365	0.055479	0.281028

Genus

Genus	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27
Acaulospora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acremonium	0	0	0	1.90E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alternaria	1.67E-05	0.001683	0.002019	0.000454	1.17E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002491	4.50E-04	0	0.000261	6.78E-07	0
Amanita	0	0	1.02E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthrinium	0	0	0.000184	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Aspergillus	0	0.000667	0	4.35E-04	0	0.000135	0	0	2.23E-04	0.000619	0	0	0	0	0	0	0.00E+00	0	0.000248	0.000613	0.00E+00	0.00E+00	0	0	2.57E-06	0	4.46E-07
Aureobasidium	0	0	0.000153	2.09E-05	0	0.000222	0	0	0	0	0.00E+00	0	0	0.00E+00	0	0.001604	0	0	6.67E-05	0.000585	0	0	4.31E-06	0.000441	0	0	0
Caloplaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.00E-05	0	0	0	0	0
Candida	0.065988	0.014041	0.013123	0.019486	0.006319	0.025016	0.022755	0.015508	0.048735	0.002069	0.021144	0.037858	0.013382	0.061999	0.01404	0.00434	0.009028	0.331924	0.029916	0.007771	0.007993	0.02393	0.030882	0.00663	0.053055	0.00929	0.074132
Cephalosporium	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	4.80E-05	0	0	0	0	0
Cladonia	0	0	0	0	0	0	0	3.00E-06	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0
Cladophialophora	0.001341	0.00243	0.001385	0.002496	0.000409	0.002222	0.000335	0.000285	0	0.000831	0.000115	0	0.001542	0	0	0	0.001351	0.000492	0.00235	0	0	0	0.00095	0.003819	0.000206	0.003772	0.000365
Cladosporium	0.000413	0	0	0.001344	0.00E+00	0.00011	0	0.001884	0.001423	0.002255	0.001571	4.28E-03	0.000679	0.001103	0	0.001678	0.000123	0.004696	0.00067	2.63E-04	0	0.001657	0	0	0.000243	0.000787	0.000563
Clavariadelphus	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colletotrichum	0	0	0	0	2.33E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coniothyrium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.27E-06	0	0	0	0	0	0	0	0	0
Cortinarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.96E-06	0	0	0	0	0	0	0
Craterellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0
Cryptococcus	0	0	0	0	0	7.12E-07	0	0	0	0.00E+00	0	0	8.09E-05	0.001878	0	0	0	0.00E+00	0	7.40E-07	0	0	8.63E-06	0.000923	0	0	0
Debaryomyces	0	0	0.000102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.67E-05	0	0
Derxomyces	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0
Exophiala	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Funneliformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.47E-07	0	0	0
Fusarium	7.55E-05	1.05E-03	2.04E-05	7.97E-05	3.47E-03	0	0	0.003149	0.000751	0.00E+00	0.001233	2.58E-05	1.55E-05	0.002096	0.000283	0.001093	1.12E-06	6.80E-04	1.18E-02	7.40E-07	6.01E-07	2.40E-05	0.001342	1.94E-06	5.98E-04	2.03E-06	4.46E-07
Galactomyces	2.46E-05	0.001323	0	0	0	8.69E-05	0	0.003158	0.00E+00	0	0	0	0	0	0.00E+00	0	0.00053	0	0	0	0	0	1.81E-04	0	0.000277	0	8.93E-07
Glomerella	0	0	0	0	0.000593	0	0	0	0	0	0	0	0	0	0.00E+00	0	5.58E-07	0	0	0	0	0	0	0.00E+00	0	0	0
Glomus	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0.003493	0	0	0	0	0
Haematonectria	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0.001621	0	0	1.42E-05	0	0
Hypocrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001032	0	0	0	0	0	0	0	0
Lepraria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Lobulomyces	0	0	0	0	0	3.56E-06	0	0	0	0	0.000447	2.35E-06	0	0	0	0	0	0	0.000164	0	0	0	8.71E-05	0	0.00E+00	0	0.00E+00
Malassezia	0.00E+00	7.00E-05	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0.00134	6.02E-05	0	0	0	1.50E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	2.10E-05	0
Microdochium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Penicillium	8.77E-07	0	4.09E-05	1.90E-06	5.83E-07	0	3.49E-06	0	0	0	0	0	0	0	0.00E+00	0.00E+00	0	0	0.013536	7.40E-07	0	0	0	0	0	0	0
Phaeosphaeria	0	0	0	0	0	0	0	0	0	0	0.000136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phaeosphaeriopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phoma	0.509199	0.617107	0.30555	0.432677	0.286389	0.503919	0.276065	0.326619	0.436188	0.401132	0.504965	0.551297	0.407544	0.382901	0.320534	0.312495	0.372342	0.294553	0.344273	0.308488	0.395964	0.542347	0.601565	0.426352	0.450364	0.476528	0.577796
Pichia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0
Piromyces	0	0	0	0	0	7.12E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plectosphaerella	8.77E-07	0.002737	0	0.00022	0	0	0	0	0	0	0	0	0	0	0	0	0	1.59E-05	0.002103	0	0.006388	0	0.002112	0.00E+00	0.002587	0.001724	0.00039
Pseudozyma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0.000102	0	0	0	0	0	0
Pterygellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0
Puccinia	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0.000751	0	0	0	0	0	0	0	0	0	0	0
Pyrenochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhizophagus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhizophydium	0	0.003253	0	0	0	0	0	0	0	0.00E+00	0.000333	0	0	0	0	0	0	0	0	0	0	0	0.000522	0	0	0	0
Rhodotorula	0.000697	0.005704	0.001334	0.007577	1.32E-03	0.00081	0.012755	0.002852	0.001205	0.00063	0.008981	0.003094	0.001273	0.017563	0.003562	0.000242	0.002571	0.008238	0.000934	2.22E-06	3.01E-06	0.007701	0.000544	0.001475	0.000623	3.19E-05	0.00036
Saccharomyces	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0
Schizophyllum	0	0.00347	0.001058	0	0	0	0.002996	0	0	0	0.000627	0	0	0	0.004079	0	0	0.001159	0.001518	0	0	0.004273	0	0	0	0	0
Shiraia	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sporobolomyces	0	6.67E-06	0.001201	0	0.00E+00	0	0	0	0	1.01E-04	0	0	0	0.001785	0	6.16E-07	0	0	0	0	0	0	0	0	0	0	0
Synchytrium	3.07E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thanatephorus	3.07E-06	0	0	0	6.59E-05	0	5.23E-05	0	0	0.00E+00	0	0	0	3.21E-05	0.00E+00	0	0.00E+00	0.00E+00	0	0	0	0	0	0.00E+00	1.93E-05	0.000112	0
Trichocladium	6.01E-04	0.000347	0	0.001519	0.00284	0.000924	0	0.001638	0.001349	4.97E-07	0	0.000911	0	0.002981	0.003455	0	0	0.001159	0.003282	0	1.80E-06	0	0.002567	0	0.012528	0.003244	0.000391
Trichoderma	0.00024	0	0	0.000875	0	8.26E-05	0	0	9.97E-04	0.00E+00	0	0	0	0.000657	0	0	0.002361	0	1.73E-06	0	0	0	0.000946	0	0	0	0.000239

Trichosporon	0	0	0.010016	0	0	0	3.49E-06	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Udeniomyces	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verticillium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0
Wallemia	0	0	0	0	0	0.00047	0	0	0	0.00E+00	0	0	0	0.008354	0	0	0	0	0.000436	0	0	0	0.00E+00	0	0	0	0
Yarrowia	5.26E-06	0	2.23E-03	1.96E-04	3.27E-05	1.50E-05	0.00E+00	1.43E-03	8.34E-05	9.94E-07	8.18E-04	1.70E-03	7.23E-05	0.00E+00	0	1.17E-05	1.12E-05	0.000662	5.28E-05	1.48E-06	1.68E-04	0.00E+00	2.93E-05	5.51E-04	2.44E-05	8.14E-06	2.50E-05
unclassified	0.421393	0.346115	0.661575	0.532617	0.698556	0.465982	0.685035	0.643473	0.509046	0.592362	0.459627	0.400829	0.575412	0.51865	0.654046	0.676444	0.611621	0.356418	0.587645	0.68227	0.587877	0.412356	0.357809	0.55947	0.479181	0.504479	0.345738

Genus	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24	N25	N26	N27
Acaulospora	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000771	0	0	0	0	0	0	0	0	0	0	0	0	0
Acremonium	0	0	0.000182	0	0	0	0	0	0	0	0	0	6.06E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alternaria	0	0	0.00E+00	0	0.005703	6.60E-05	0.001155	0	0	0	0	0	0.000453	0	0	0	0	0	0.000492	0	0.00E+00	0.020033	0.000533	0.000109	4.37E-04	0	0
Amanita	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthrinium	0	0	0	0	0	0	0	0	0	0	4.22E-05	0	0	0	0	0	0	0	0	0	0	0.001045	0	0	0	0	0
Aspergillus	0	0.000313	0	0	2.10E-05	0	0.000337	0	2.63E-05	0.000234	0	0	0	0	0	5.50E-05	0	2.39E-05	0.001358	0	1.21E-05	0	0.000435	0	4.74E-06	0.00E+00	0.000104
Aureobasidium	0	0.001632	0	0	0.001239	2.84E-06	0.00E+00	0.00E+00	0.000165	0	9.70E-05	0	0.00E+00	2.05E-05	0	0	0.000308	0	0	0	0	0	0	0	0	0	0
Caloplaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0
Candida	0.014621	0.023984	0.035001	0.057051	0.001424	0.017329	0.010206	0.062696	0.014164	0.003147	0.015505	0.041549	0.002814	0.01288	0.009348	0.008115	0.006383	0.010951	0.032836	0.015182	0.018159	0.024318	0.060021	0.008	0.04061	0.001653	0.005813
Cephalosporium	0	0	0	0	0	0	0	0	0	0	0	0	0	2.28E-06	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0
Cladonia	0	0	0	0	0	0	0	1.78E-06	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0
Cladophialophora	0.002161	0.004217	0.000919	0.000728	0	0.002109	0	0.000952	0.001726	0.000562	0.000755	0.001964	0	0.000157	0	0	0.002155	0.000386	0.003007	0.001973	0	0.0016	0	0.005528	0	0.00029	0
Cladosporium	0.000662	0.001561	0	0.001136	0.000242	0.00039	0	0.003892	0	0	0.000306	2.94E-05	8.25E-05	0.000575	0.000982	0.002007	0.00018	0	0.000684	0.00041	0.005886	0.007639	0.000197	7.76E-05	0	0	0.001438
Clavariadelphus	0	0	0	0	0	0	0	0	0	0	6.33E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colletotrichum	0	0	0	0	0	0	0.000401	0	0	0	0	0	0	0	0	0	0.000184	0	0	0	0.00E+00	0	0	0	0	0	0
Coniothyrium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0
Cortinarius	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Craterellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06E-05	0	0	0	0	0	0	0	0	0
Cryptococcus	0	0	2.82E-05	0	0	0.00E+00	0.000234	1.78E-06	0	0	0.000333	0	0	0	0	0	0	0	0	0.00E+00	0	0	0.00E+00	0	0	0	0
Debaryomyces	0	0	0.000156	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Derxomyces	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.17E-07	0	0	0	0	0	0	0	0	0	0
Exophiala	0	0	0	0	0	0	0	0	0	0	0	2.45E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Funneliformis	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fusarium	3.66E-06	8.85E-06	1.52E-05	2.11E-03	0.00E+00	0.00E+00	0.000165	5.34E-06	6.19E-06	6.39E-05	0	2.45E-05	2.34E-06	0.000988	0	0.003903	0.000366	0.002203	0.00E+00	3.70E-04	0	4.05E-06	0.002723	1.42E-05	8.33E-04	2.96E-03	0
Galactomyces	0	7.67E-05	0	0	0	9.08E-05	9.85E-06	0	0.000228	0	0.000443	0	0	0.000559	0	0	0	0	0	0	0	0	1.01E-03	0	8.18E-05	0.00E+00	0
Glomerella	0	0	0	0	0	0	4.93E-06	0	0	0	0	0	0	0	0	0	1.22E-05	0	0	0	0	0	0	0.00E+00	0	0	0
Glomus	0	0	0	3.49E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haematonectria	0	0	2.17E-06	0	0	0	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypocrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepraria	0	0	0	0	0	0	0	0.001764	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lobulomyces	1.22E-06	0	0	0	0	5.25E-05	0	0.00E+00	7.42E-05	0	0	0.00E+00	0	0	0	0	0	0	0	0	0	0	4.05E-04	0	0	0	0
Malassezia	5.86E-05	3.25E-05	0.00E+00	0	1.98E-05	6.53E-05	0	0	0	1.91E-05	0	0	0.000138	0	0	9.08E-05	8.03E-05	0	0	0	0	0	6.99E-06	0.00E+00	0	0	0
Microdochium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008198	0	0	0	0	0
Penicillium	0	6.49E-05	0	0	0	0.00E+00	2.46E-05	0	0	0.00E+00	0	0	0.00E+00	0	2.27E-06	0	0	0	2.32E-06	0	0.00E+00	0	0	5.92E-07	0.00E+00	0	0
Phaeosphaeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phaeosphaeriopsis	0	0	0	0	0	0	0	0.000459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phoma	0.36116	0.789173	0.324983	0.517822	0.179508	0.568869	0.488496	0.518303	0.48776	0.25011	0.444533	0.532155	0.057741	0.365848	0.34633	0.254394	0.44571	0.467382	0.41834	0.380704	0.374592	0.620476	0.3839	0.38316	0.71621	0.417267	0.431344
Pichia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.34E-06
Piromyces	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0	0	0
Plectosphaerella	0.002459	0	0.001835	0	0	0	0.002204	0.001549	0	0	0	0	0	0.000522	0	0	1.43E-06	0	0.002671	0	0	0	0.005324	0	2.14E-03	0	0
Pseudozyma	0	0	0	0	0	0	0	0	0	0	0	0	4.69E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pterygellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000153	8.76E-05	0	0	0	0	0	0	0	0	0

Puccinia	0.000145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.66E-06	0	0	0	0
Pyrenochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00101	0	0	0	0	0	0	0	0	0	0	0	0
Rhizophagus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000865	0	0	0	0	0	0	0	0
Rhizophydium	0	0	4.34E-06	0	0	0	0.000227	0	0	0	0.000694	0	0	0	0	0	0	0	0	0	0	0.004237	0	0	0	0	0
Rhodotorula	0.000659	0.004175	1.03E-02	6.10E-03	0.000833	9.08E-04	0.003931	0.003114	0.000407	0.001567	0.00833	0.008618	0.001235	0.001122	0.009557	0.002797	0.001438	0.002171	0.000753	0.002403	0.003573	0.005938	0.000705	6.04E-05	0.000487	0.002835	0.000334
Saccharomyces	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.34E-06
Schizophyllum	0	0	0.001438	0	0	0	0	0	0	0	0.000821	0.002184	0	0	0	0	0	0	0.001631	0	0	0	0	0	0	0	0
Shiraia	0	7.08E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sporobolomyces	0.00E+00	0	1.95E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	5.92E-07	0	0	0
Synchytrium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00E+00	0	0
Thanatephorus	4.33E-05	0	3.91E-05	0	0	0	5.17E-05	2.49E-05	0.00E+00	0	0	0	0	2.51E-05	0.00E+00	0	2.80E-05	2.52E-05	0	0	0.00E+00	0	0	0	0.00E+00	0	0.000327
Trichocladium	0	3.54E-05	0.001777	7.46E-03	0	0.000502	0.003965	0.003007	0.000635	0	0.001943	0.002297	0	0.000867	0.008906	0.000699	0	0.000202	0.012254	0.000437	0	0.003467	0.007928	0	0.003662	0.004453	0.00196
Trichoderma	0	0	1.95E-05	0	0	0	0.00E+00	0.000395	0.000864	0.001424	0	0	0	0	0	0	0	0	0	0	0.001845	0	0.00E+00	0	4.62E-05	0.001235	0
Trichosporon	0	0	0	0	0	0	0	0	0	0	0	2.45E-06	0	0	0.00E+00	0	0	0.002259	0	0	0	0	0	0	0	0	0
Udeniomyces	0	0	0	0	0	0	0	0	0	0	0	2.45E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verticillium	0	0	0	0	0	0	0	0	0	0	0	0	4.69E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wallemia	0	0	3.04E-05	0	0	6.10E-05	0	0	0	0	0	0.001212	0.00035	0.001065	0	0	0	0	0	0.000365	0	0	0.000696	0	0	0	0
Yarrowia	3.05E-06	0.00E+00	8.75E-04	0	5.99E-07	6.39E-06	1.07E-03	1.11E-03	1.55E-06	0.000342	2.11E-06	3.43E-05	0	4.56E-06	0	6.88E-07	2.94E-05	2.65E-06	6.29E-05	6.66E-05	1.44E-05	0.00E+00	6.99E-06	0.00E+00	8.30E-06	6.21E-07	1.01E-04
unclassified	0.618023	0.174657	0.622357	0.407588	0.81101	0.409548	0.487521	0.402724	0.493942	0.742531	0.526189	0.409926	0.936576	0.614592	0.623865	0.727939	0.54297	0.514296	0.525043	0.598089	0.595919	0.303045	0.536104	0.603049	0.235476	0.569302	0.558571

OTU

OTU name	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27
272939	993442	156793	50547	186577	417498	605124	61742	89050	732185	691809	61951	183012	808562	98401	97766	432425	569103	109859	339264	357601	567208	70645	597506	565960	299892	603129	1107659
916	794721	72960	86506	208890	609381	515663	159963	168818	511404	568363	66389	132024	713313	132405	195285	396182	738893	102087	291505	170114	665876	56090	291501	579980	269611	611712	619452
68472	19143	0	0	0	483058	46576	0	0	390255	495448	0	0	437081	0	0	623018	246142	0	42831	34	53967	6	21212	86113	6803	9346	30491

333714	167338	28330	9243	41369	73695	102621	17409	19646	125838	115384	30593	51847	137958	21048	24510	74619	98558	20037	58457	59284	91087	19699	99770	92775	50175	99578	186902
198477	64048	2061	5370	3827	49027	38230	1975	2836	47191	45215	772	2523	62084	189	3539	35301	48818	1578	261225	663730	48226	605	38583	89200	40144	41064	54673
196869	33486	11824	25916	36118	23385	21271	22051	24111	7012	42979	8707	11468	65816	14743	29871	24434	46619	12752	17450	8377	68235	3581	21310	43428	13293	38257	31394
58858	150426	4212	2551	10266	10741	35133	6229	5161	95864	4163	3875	16128	31079	19341	5354	7042	16187	146376	34188	10500	13289	3987	35795	10243	41238	13696	166088
636198	10309	7457	291	3347	7290	4515	2696	3434	6831	12247	1635	3379	21390	5731	3950	5859	2854	4357	5860	3174	107763	1752	5190	5458	6274	12745	9098
157510	20723	387	391	960	8020	7353	742	490	15215	4614	610	1762	11106	2143	505	6264	8413	20814	20873	56440	6819	715	12694	9001	13592	7634	21372
144089	3026	2982	1052	8498	4787	6766	1634	2159	3412	8617	2013	1804	2479	1000	1011	2851	2565	2499	2546	3243	0	1994	9213	12441	6768	3177	1627
543494	6602	1641	756	5635	3443	7941	1765	2989	2830	0	1131	5337	7243	8	3097	0	18	3042	6392	8955	0	560	8957	9162	9253	10426	1921
61138	0	53	1385	2148	3486	2341	0	0	3650	6581	602	740	7186	1714	4681	0	0	690	4855	0	21711	585	853	17367	930	0	0
204325	4619	2093	819	5130	1874	1485	2202	5282	817	3164	1354	8191	2723	1574	4262	1345	0	4688	1983	1241	0	1672	2623	8228	2430	1340	1421
631739	1369	104	0	800	4871	1298	0	545	2653	1	0	388	0	930	1318	0	0	511	3792	0	3	0	2976	0	9738	4784	877
514492	1588	1711	261	3992	2272	1138	3657	949	2370	1267	1646	1318	2957	5479	1359	393	4610	3633	1079	3	5	1283	631	2279	484	47	806
15143	3056	729	271	1315	702	3121	96	95	0	1673	21	0	3581	0	0	0	2423	217	2715	0	0	0	1101	5900	160	5563	817
5543	339	11	0	255	184	129	10	0	2067	762	166	88	372	0	35	555	694	231	232	878	4500	104	31	857	132	2848	274
131881	941	0	0	707	0	154	0	627	2799	4538	288	1825	1576	344	0	2723	221	2071	774	356	0	276	0	0	189	1160	1261
64832	2	821	0	116	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2429	0	10620	0	2448	0	2011	2543	873
47507	132	33	1	38	1215	0	0	73	1437	0	217	8	35	56	105	1587	2	105	12642	0	0	3	1518	1	425	0	1
603204	139	567	210	648	438	0	0	1784	3	0	54	406	2	547	974	9	2	420	358	0	123	358	4	512	75	270	1
1192260	38	505	395	239	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	415	521	0	203	1	0
647197	582	0	130	0	0	132	0	459	0	0	0	0	1155	1015	549	0	0	0	0	212	0	0	259	0	199	0	942
169236	859	2	4	6	775	330	0	1	120	573	1	0	374	0	0	1455	751	3	1106	476	58	0	418	531	462	932	401
339	2	0	0	461	0	116	0	0	1961	0	0	0	0	205	0	0	4233	0	2	0	0	0	1096	0	0	0	536
2574	0	0	37	0	0	0	0	0	0	0	11	0	0	1	0	0	0	0	15311	0	0	0	0	0	0	0	0
8528	638	291	42	151	835	99	28	41	3128	3105	9	0	1975	55	30	0	0	12	280	0	0	0	1016	0	119	0	161
142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0

779162	0	1041	207	0	0	0	859	0	0	0	115	0	0	0	1556	0	0	511	1754	0	0	712	0	0	0	0	0
608222	2	0	8	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	13441	1	0	0	0	0	0	0	0
132146	40	281	3	4	4730	0	0	486	41	0	9	3	1	598	3	186	0	195	793	1	1	1	38	2	40	3	0
259263	353	0	1	0	798	0	0	1	94	0	1	2	50	4	1	65	0	1	4988	0	39	0	69	159	363	71	0
185140	0	0	0	0	0	0	0	0	3330	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0
1646072	30	0	484	0	398	67	0	0	107	2	137	444	79	9	0	20	70	18	49	0	0	36	45	3	96	0	18
669746	0	0	30	11	0	312	0	0	0	0	0	0	0	0	0	2602	0	0	77	791	0	0	5	681	0	0	0
4904	2	58	272	220	0	1	1538	73	3	3	61	1201	2	116	101	3	3	280	0	0	1	171	1	0	1	0	2
249540	0	0	0	0	0	660	0	0	0	0	0	0	0	2606	0	0	0	0	504	0	0	0	0	0	0	0	0
335	0	244	36	154	0	0	62	34	0	0	0	0	0	0	0	0	0	175	0	0	0	105	0	0	0	1567	251
28939	12	0	435	103	56	21	0	475	164	2	150	722	168	0	0	19	20	292	61	2	279	0	34	852	19	12	56
1003119	0	0	0	0	0	280	0	763	0	0	0	0	0	0	0	0	0	2175	0	0	0	0	0	0	0	0	0
64433	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	2175	108	0	0	0	2498	0	0	521	0	31	0
697566	419	454	322	0	0	2	96	0	0	0	100	573	0	0	971	0	0	0	0	356	0	188	0	953	0	0	0
291863	0	0	0	2644	1	11	331	0	8	0	0	0	0	0	27	0	0	0	140	2	0	0	0	0	0	1	183
778107	56	396	0	0	0	122	0	1047	0	0	0	0	0	0	0	0	950	0	0	0	0	0	209	0	215	0	2
1855	0	185	0	229	0	190	0	0	438	1245	0	0	0	0	0	0	0	0	286	829	0	0	0	0	0	0	0
665124	0	0	0	0	0	0	0	0	0	0	0	0	0	349	0	0	0	1	0	659	0	0	1	0	0	925	0
474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
365470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4087	0	0	0	0	0	0	0
157	0	0	1960	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20149	0	0	0	0	386	267	0	0	639	0	0	0	0	0	0	62	0	0	16	0	0	0	0	0	0	0	0
3274	0	0	0	0	0	0	0	0	0	0	0	180	1525	0	0	0	0	0	760	0	0	0	0	0	53	0	0
4871	0	51	316	223	0	0	249	113	0	1	88	104	0	94	87	0	0	157	0	0	0	16	0	0	0	0	1
2170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

964033	327	0	0	0	0	847	386	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	580
9809	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
523551	0	0	0	0	0	0	0	0	0	0	0	0	188	586	0	0	0	0	0	0	0	0	4	1426	0	0	0
3199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0
341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2197	0	0	0	0	0	0	0	0
8399	0	35	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	85	0	0	0	0	0
788	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106558	36	0	0	0	25	20	0	0	44	15	0	0	20	0	0	29	31	0	32	27	22	0	15	25	883	31	40
957199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203	0	0	0	0	0	0	0	0	1545	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5442	0	819	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	605	0	0	0	0
45002	0	0	1655	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	2	0	0	0	0	0
467005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6359	0	0	0	134	0	0	0	0	1447	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1177	0	0	1525	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1306739	0	0	0	0	0	0	0	0	0	300	0	0	408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	0	63	125	61	0	0	74	53	0	0	19	38	0	28	45	0	0	63	0	0	0	31	0	0	0	0	0
585688	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
292623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	760	0	0	0
4373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1219	0	0	0	0	0	0	0	0	0	0	0
206591	0	0	0	0	97	0	294	0	0	0	0	0	0	0	0	0	0	0	371	0	0	0	0	0	0	0	0
891564	0	6	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	767	0
32163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1192	0	0	0	0	0	0	0	0
2316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

17760	0	0	0	392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	11	0	19
10635	7	0	0	0	113	0	15	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	15	165	0
494737	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
744002	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	235	0	0	0	0
4229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139603	0	0	0	0	1015	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
9812	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153476	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185304	0	0	0	0	0	0	563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136	0	0
5749	15	0	0	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	302	0
166627	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	802	0	0	0	0	0	0	0	0	0
236753	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0	0	58	0	0	0	0	0	315	0	0
830624	0	0	0	0	0	0	0	0	0	203	0	0	0	557	0	0	0	0	0	0	0	0	0	0	0	0	0
1163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	190	0	0	0	0	0	0	0	0
406178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	661	0	0	0	0	0	0	0	0	0	0
3920	0	0	0	0	0	0	0	489	0	0	0	0	0	0	0	0	0	0	162	0	0	0	0	0	0	0	0
1071901	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
668	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10759	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90591	0	0	420	0	0	0	0	133	0	0	0	0	0	0	0	0	0	5	0	0	0	2	0	0	0	0	0
363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	579	0	0	0	0	0
4200	0	572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19281	545	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

131484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0
6552	16	0	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
252305	0	0	0	0	0	126	0	0	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15509	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	502	0
742865	0	0	0	0	0	0	0	0	0	0	0	0	0	0	356	0	0	0	0	0	0	0	0	0	0	0
51507	0	0	494	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
677299	0	0	0	323	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	0	0
5193	0	0	0	0	0	0	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2918	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
894975	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	2	0	0
3034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
394730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	401	0	0	0	0
4655	0	0	0	2	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7740	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71129	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67556	0	0	0	0	0	0	0	0	0	0	357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4734	0	0	0	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16697	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169092	3	10	4	11	3	2	15	16	1	2	5	6	5	7	11	0	3	3	1	0	2	2	3	2	1	1	2

34520	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377862	19	2	1	2	11	8	4	12	6	7	1	4	7	6	3	5	5	3	8	2	8	2	1	2	3	6	8
33716	0	4	35	6	0	0	9	19	0	0	3	15	0	0	14	0	0	0	0	0	0	3	0	0	0	0	0
39449	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
736685	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	225	0	0	0
2614	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1221289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	281
1515	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	267	0	0	11	0	0
2324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	271	0	0	0	0	0	0	0	0	0
4440	28	0	0	0	0	0	0	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11230	0	0	0	262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8755	0	0	0	0	0	0	0	261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
446657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6	0	0	0	0
13409	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10470	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
724313	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
428	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
672	0	2	235	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
50569	0	0	227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

43099	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1262181	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
29530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97489	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18672	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
551517	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	114	8	0	0	0	0	0	0	0	0	0
2894	0	0	1	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
803932	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
378772	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12585	0	0	169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19515	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	169	0	0	0	0	0	0
7984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32758	0	0	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9043	0	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4807	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4439	0	0	0	0	0	0	0	0	0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6516	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18361	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92511	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2991	0	0	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65914	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76419	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
1482	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0
127833	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4913	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11826	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	0	0	0	0	0
10199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35829	0	0	0	0	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10565	0	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	17
11422	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12852	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1182	0	0	0	0	0	0	0	0	0	0	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144934	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	0	0
23315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0	0	0	0	0
18329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25512	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
301017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	0	0
414	0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219924	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0
241575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0
420108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0	0
5006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0
36451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
626603	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
538172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15679	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101308	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0

362374	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0
201985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0
6929	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0
1537919	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
631703	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6712	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911631	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120407	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11667	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0
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4899	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142662	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0
98424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0
25928	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253895	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0
5889	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3801	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0
94874	1	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	3
96543	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0
23543	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5652	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0
122986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

326512	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0
9322	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0
1105	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0
98776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
197184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0
329478	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0
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333360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191699	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0
372403	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0
196439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0
238593	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164507	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0
128186	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
68002	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1610578	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21572	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
258876	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90062	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134389	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

281539	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
81021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46610	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65298	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121432	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187423	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OTU name	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24	N25	N26	N27
272939	504091	180089	119067	116177	255670	685493	154601	238203	807441	456872	178961	178114	105000	131888	121928	314640	530002	297362	1082362	638613	424456	118693	422248	553151	518774	574587	661814
916	697462	33577	221574	79659	653225	352232	151987	157264	731144	484715	193564	131283	214578	230510	227143	494424	304740	307756	1111642	940810	531590	47595	467030	606248	149099	713627	457013
68472	163766	0	0	0	590967	155032	0	0	130102	1018508	0	0	1730118	0	0	490013	364170	0	229	10659	29572	0	18606	12612	2954	5309	453154
333714	87550	87360	30570	32355	44021	116320	43741	51924	138737	79695	31768	39234	18112	28477	30386	55238	91729	54828	180991	104820	69789	34474	72031	93973	85619	97017	114202
198477	69388	1522	6107	1061	51610	29389	1603	3151	38119	39321	4353	2089	27182	3417	5632	29809	30510	12449	205638	76124	75970	784	95749	177443	19374	74111	41988
196869	43947	2991	37120	15778	17536	16583	22387	25768	27357	20814	27669	11282	9028	19970	25285	19495	20736	31437	119399	71520	63425	3043	30827	74303	5361	51109	15321
58858	23949	8128	16115	16047	2378	24424	4124	35215	27476	6751	7349	16969	6001	5646	4111	11799	8904	8251	99014	29647	23957	6004	77276	13512	34270	2661	10223
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157510	10785	1088	1852	2116	6954	5410	498	4230	7583	3967	643	1546	3463	415	922	4747	6683	1810	49849	10638	13055	683	23419	11673	7516	9748	7587
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204325	923	1006	1453	4008	1953	511	3674	7758	1159	260	6502	539	187	2910	4315	86	2069	10115	4109	2744	2844	1734	4320	5291	1542	4230	842
631739	0	12	818	2141	0	707	1610	1689	1232	0	921	938	0	380	3917	1017	0	152	37006	854	0	856	10207	0	3090	7168	3527
514492	1080	1415	4751	1749	1390	1280	1596	1749	790	3362	3949	3520	2634	492	4203	4066	2006	1636	2275	4693	4714	1466	908	102	411	4563	601

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5543	1393	67	425	29	521	900	44	280	1623	2011	181	1018	0	123	208	291	270	276	3787	459	313	0	1057	42591	180	626	329
131881	1084	529	0	326	404	550	0	2186	0	0	145	12	176	252	432	2918	251	0	2067	801	7766	1886	254	131	0	0	2587
64832	4029	0	845	0	0	0	895	870	0	0	0	0	0	229	0	0	2	0	8066	0	0	0	6855	0	1809	0	0
47507	4	1	2	66	0	0	53	1	3	135	0	9	0	419	0	937	443	1370	0	712	0	1	3414	12	613	4663	0
603204	266	585	3549	1282	0	0	1286	1801	765	3	708	1474	469	758	598	47	217	498	0	5	1	1662	7	1787	31	567	0
1192260	0	0	0	0	9521	93	469	0	0	0	0	0	965	0	0	0	0	0	1487	0	0	4946	686	184	369	0	0
647197	0	295	6	0	0	603	0	1672	5	0	119	0	0	276	0	0	900	0	5200	106	2846	0	1187	0	356	0	0
169236	1431	5	6	5	234	254	4	1	322	117	2	0	551	1	0	64	424	12	604	495	598	0	480	938	205	1156	519
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142	0	0	0	0	14450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
779162	0	0	662	0	0	0	0	0	0	0	389	892	0	0	0	0	0	0	4927	0	0	0	0	0	0	0	0
608222	0	22	0	0	0	0	10	0	0	0	0	0	0	0	1	0	0	0	7	0	0	0	0	1	0	0	0
132146	2	2	5	540	0	0	14	2	9	2	0	1	5	14	0	4738	68	290	0	10	0	0	92	12	90	108	0
259263	389	2	0	0	0	18	1	0	246	76	0	1	121	0	0	342	94	1	0	33	0	1	188	516	229	374	1
185140	0	0	0	0	0	295	0	0	0	0	0	0	113	0	0	3875	836	0	0	0	0	0	0	0	0	0	1039
1646072	449	0	954	455	0	37	0	1168	10	75	0	0	99	0	0	44	187	913	839	68	0	54	92	12	1	52	1034
669746	0	552	0	0	2068	4	0	0	321	0	46	0	0	9	0	0	430	0	0	0	0	0	0	0	0	0	0
4904	2	19	113	299	2	2	1474	65	3	3	142	67	0	228	77	1	2	862	3	4	2	152	1	3	0	1	1
249540	0	0	14	0	0	86	0	0	0	0	0	495	747	467	0	0	0	0	0	713	0	0	896	0	0	0	0
335	0	325	0	0	0	0	119	8	0	0	0	0	0	0	257	0	0	0	0	0	0	0	0	3687	0	0	0
28939	5	0	401	0	1	9	433	623	3	733	0	14	0	0	0	1	41	0	190	130	19	0	9	0	7	1	182
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64433	96	11	0	0	33	92	0	0	0	41	0	0	294	0	0	132	112	0	0	0	0	0	9	0	0	0	0
697566	81	228	0	0	0	0	675	0	0	0	104	0	0	144	420	0	0	0	0	0	0	0	0	0	0	0	0
291863	0	284	0	10	0	133	0	0	0	0	71	0	0	0	0	1	0	0	866	0	1	0	137	657	0	0	0
778107	0	26	0	0	0	128	1	0	443	0	208	0	0	245	0	0	0	0	0	0	0	0	1302	0	69	0	0
1855	0	106	0	0	0	0	0	0	51	502	0	0	0	0	0	80	0	18	0	0	0	0	549	0	0	0	187
665124	0	0	8	0	0	0	1	0	0	0	0	191	0	0	206	0	0	0	0	0	0	619	0	0	0	1855	0
474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4102	0	0	0	0	0	0	0	0
365470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1702	0	0	0	0	0	0	0	0	0
20149	240	0	0	0	8	320	0	0	0	60	0	0	646	0	0	366	12	0	0	0	0	0	0	0	0	0	568
3274	0	0	0	0	0	0	0	54	0	0	0	470	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
4871	1	24	123	117	0	1	227	87	1	0	124	47	0	128	85	0	0	357	0	0	0	25	0	0	0	0	0
2170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2816	0	0	0	0	0	0	0
964033	0	0	0	0	0	0	0	0	0	0	168	0	0	317	0	0	0	0	0	0	0	0	0	1	0	0	0
9809	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2613	0	0	0	0	0	0	0	0
523551	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3199	0	2196	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8399	0	3	0	0	0	0	271	0	0	0	126	0	0	405	892	0	0	0	3	0	0	200	0	0	0	0	0
788	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2022	0	0	0	0	0
106558	25	0	0	0	28	104	0	0	41	26	0	0	44	0	0	136	18	0	54	24	29	0	43	22	21	36	47
957199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1987	0	0	0	0	0	0	0	0	0	0	0
203	0	0	0	0	0	0	0	0	0	105	0	0	258	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5442	0	0	0	0	0	0	0	0	0	0	329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45002	0	0	4	1	0	0	0	0	0	0	0	0	0	4	3	0	0	6	0	0	0	0	0	0	0	0	0

467005	0	0	0	0	0	0	0	0	0	0	0	0	1645	0	0	0	0	0	0	0	0	0	0	0	0	0
8188	0	0	0	15	0	0	0	1622	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6359	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1306739	0	0	0	0	0	259	0	0	0	0	0	0	284	0	0	0	219	0	0	0	0	0	0	0	0	0
114	0	6	63	181	0	0	70	69	0	0	64	22	0	35	29	0	0	147	0	0	0	42	0	1	0	0
585688	0	0	0	0	0	0	0	0	0	0	0	0	1293	0	0	0	0	0	0	0	0	0	0	0	0	0
292623	0	511	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4373	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206591	0	0	0	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	143	0	0	0	0	0	0	0
891564	0	0	0	5	0	0	7	0	0	0	1	0	0	0	7	0	0	0	0	401	0	1	0	0	0	1	0
32163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1187	0	0
17760	60	0	0	0	0	0	616	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0
10635	71	0	18	0	0	0	21	14	0	0	0	0	0	11	0	0	39	19	0	0	0	0	0	0	0	588
494737	0	0	0	0	0	0	0	0	0	0	0	0	1046	0	0	0	0	0	0	0	0	0	0	0	0	0
744002	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	395	337	0	0	0	0	0	0	0	0
4229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1039	0	0	0	0
139603	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0
9812	0	0	0	0	0	0	0	995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9117	0	0	0	0	0	0	0	990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153476	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	932
185304	0	0	0	0	0	0	245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5749	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	430	0	0	0	0	0	0	0

166627	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236753	0	0	0	0	0	0	1	0	0	0	0	0	0	9	0	0	0	0	205	0	0	0	96	0	23	0	0
830624	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	521	0	0	0	0
406178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1071901	0	0	0	0	0	0	0	0	0	0	0	0	636	0	0	0	0	0	0	0	0	0	0	0	0	0	0
668	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	628	0	0	0	0	0	0	0	0	0
10759	0	0	0	0	0	0	0	606	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90591	0	0	5	7	0	0	0	0	0	0	0	0	0	3	8	0	0	0	0	0	0	0	0	0	0	0	0
363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19281	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131484	0	0	0	0	0	0	0	0	0	0	0	523	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2143	0	0	496	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6552	0	0	0	0	0	0	0	0	0	0	0	0	0	0	344	0	73	0	0	0	0	0	0	0	0	0	0
252305	0	0	0	0	40	0	0	0	0	0	0	0	14	0	0	37	39	0	0	0	0	0	0	0	0	0	94
15509	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
742865	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	0	0	0	0	0	0	0
51507	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
677299	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	444	0	0	0	0	0	0	0	0	0	0	0	0
2918	0	0	0	0	0	0	163	0	0	0	0	0	0	0	0	0	257	0	0	0	0	0	0	0	0	0	0
894975	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	379	0	0	0

3034	0	0	0	0	0	0	0	0	0	0	0	402	0	0	0	0	0	0	0	0	0	0	0	0	0	0
394730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4655	0	389	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7740	0	0	0	0	0	0	0	0	0	0	390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71129	0	0	0	0	0	14	0	0	0	0	0	0	176	0	0	0	6	0	0	0	0	0	0	0	0	151
67556	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4912	342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0	338	0	0	0	0	0	0	0	0	0	0	0	0
2218	0	0	243	0	0	0	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16697	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	316	0	0	0	0	0	0	0	0
1575	0	0	0	0	0	0	316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169092	2	0	24	21	0	2	17	21	0	1	19	11	1	9	14	1	2	7	12	6	6	2	1	4	2	5	4
34520	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	257	0	0	0	0	0
6225	0	0	0	0	0	0	0	0	0	0	0	0	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377862	4	2	4	3	11	5	2	4	16	3	3	3	0	2	3	2	1	7	16	14	7	4	7	8	1	14	7
33716	0	2	21	6	0	0	1	14	0	0	12	8	0	9	21	0	0	93	0	0	0	3	0	0	0	0	0
39449	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
736685	297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	0
2614	0	170	0	0	0	0	0	0	0	0	6	0	0	0	0	0	119	0	0	0	0	0	0	0	0	0	0
1221289	0	0	0	0	0	0	0	0	0	0	0	0	290	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1515	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	213	66	0	0	0	0	0	0	0	0	0

6457	0	0	0	0	0	275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2988	0	266	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8755	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
446657	0	0	0	0	0	0	95	0	0	0	158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13409	0	0	0	0	0	0	0	258	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	235
724313	0	68	0	0	143	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0
428	0	0	0	246	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
672	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
50569	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
43099	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
1262181	0	0	0	0	35	0	137	0	0	0	0	0	0	0	0	0	0	0	0	16	0	9	0	4	0	0
29530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	213	0	0	0	0	0	0	0	0	0
97489	0	0	0	0	0	0	212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18672	0	204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
551517	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2894	0	0	191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
803932	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	193	0	0	0	0	0	0	0	0	0
12657	0	0	0	0	0	0	0	0	0	0	0	176	0	0	0	0	0	0	0	0	0	0	0	0	0	0
378772	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	127	0
12585	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19515	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

7984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	169	0	0	0	0	0	0	0	0	0
32758	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4807	0	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4439	0	0	0	0	0	0	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6516	0	0	0	0	0	0	0	0	0	0	0	0	0	0	146	0	0	0	0	0	0	0	0	0	0	0	0
18361	0	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92511	0	0	0	0	0	0	0	0	144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65914	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	0	0	0	0	0	0	0	0	0	0	0
76419	0	0	0	0	0	0	0	0	0	0	0	0	0	100	2	0	0	1	0	0	0	0	0	0	0	0	0
1482	0	0	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127833	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	0	0	0	0	0	0	0	0	0	0	0
4913	0	0	0	0	0	0	0	0	0	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11826	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	0	0	0	0	0	0	0	0	0	0
35829	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10565	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11422	0	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12852	0	0	0	0	0	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144934	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23315	0	0	0	0	0	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18329	0	0	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

25512	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0
301017	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0
420108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36451	0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
626603	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
538172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
15679	0	0	0	0	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362374	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201985	0	0	0	0	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6929	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1537919	5	0	0	0	0	0	0	0	0	0	0	0	2	0	17	0	0	4	3	0	0	0	0	0	0	0	0
631703	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6712	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911631	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7014	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11667	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4899	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
142662	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25928	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0
42827	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253895	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5889	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
3801	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94874	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0
96543	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23543	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0
5652	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122986	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326512	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
329478	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109757	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
333360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0
191699	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
372403	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

196439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238593	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183908	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
164507	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128186	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
94148	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
68002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1610578	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
196132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0
21572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
258876	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90062	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
134389	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
281539	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
206211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81021	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46610	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122217	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65298	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121432	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187423	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0

Table S2. Primers were used for sequencing library construction.

ITS Forward Primer	5'->3'
ITS1 Forward-1	aatgatacggcgaccaccgagatctacactctttccctacacgacgctcttccgatctCTTGGTCATTTAGAGGAAGTAA
ITS1 Forward-2	aatgatacggcgaccaccgagatctacactctttccctacacgacgctcttccgatctTTGGTCATTTAGAGGAAGTAAA
ITS1Forward-3	aatgatacggcgaccaccgagatctacactctttccctacacgacgctcttccgatctTGGTCATTTAGAGGAAGTAAAA
ITS1 Forward-4	aatgatacggcgaccaccgagatctacactctttccctacacgacgctcttccgatctGGTCATTTAGAGGAAGTAAAAG
ITS1 Forward-5	aatgatacggcgaccaccgagatctacactctttccctacacgacgctcttccgatctGTCATTTAGAGGAAGTAAAAGT

ITS Reverse Primer	5'->3'
ITS2 Reverse-1	caagcagaagacggcatacgagatATCACGgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-2	caagcagaagacggcatacgagatCGATGTgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-3	caagcagaagacggcatacgagatTTAGGCgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-4	caagcagaagacggcatacgagatTGACCAgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-5	caagcagaagacggcatacgagatACAGTGgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-6	caagcagaagacggcatacgagatGCCAATgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-7	caagcagaagacggcatacgagatCAGATCgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-8	caagcagaagacggcatacgagatACTTGAgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-9	caagcagaagacggcatacgagatGATCAGgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-10	caagcagaagacggcatacgagatTAGCTTgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-11	caagcagaagacggcatacgagatGGCTACgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATG
ITS2 Reverse-12	caagcagaagacggcatacgagatCTTGTAgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-13	caagcagaagacggcatacgagatAGTCAAgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-14	caagcagaagacggcatacgagatAGTTCCgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-15	caagcagaagacggcatacgagatATGTCAgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-16	caagcagaagacggcatacgagatCCGTCCgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-17	caagcagaagacggcatacgagatGTCCGCgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-18	caagcagaagacggcatacgagatGTGAAAgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-19	caagcagaagacggcatacgagatGTGGCCgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-20	caagcagaagacggcatacgagatGTTTCGgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-21	caagcagaagacggcatacgagatCGTACGgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-22	caagcagaagacggcatacgagatGAGTGGgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-23	caagcagaagacggcatacgagatACTGATgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-24	caagcagaagacggcatacgagatATTCCTgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-25	caagcagaagacggcatacgagatACCACTgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-26	caagcagaagacggcatacgagatAGTGTCgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-27	caagcagaagacggcatacgagatAGAAGGgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATG
ITS2 Reverse-28	caagcagaagacggcatacgagatTTATCCgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-29	caagcagaagacggcatacgagatTTGTGAgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-30	caagcagaagacggcatacgagatTATTCGgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-31	caagcagaagacggcatacgagatTAGTACgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC
ITS2 Reverse-32	caagcagaagacggcatacgagatTCTGATgtgactggagttcagacgtgtgctcttccgatctGCTGCGTTCTTCATCGATGC