

Additional file 1. Means, standard deviations (STD), and minimum (Min) and maximum (Max) values of the log of the of the proportion of sequence reads for each taxon. The sample size = 472 in all cases.

Taxon	Mean	STD	Min	Max
<i>Alistipes</i>	-1.054	0.156	-2.279	-0.703
<i>Bacteroides</i>	-1.232	0.250	-2.274	-0.614
<i>Parabacteroides</i>	-1.358	0.266	-2.533	-0.584
<i>Helicobacter</i>	-1.459	0.360	-2.939	-0.489
<i>Oscillibacter</i>	-1.793	0.226	-2.500	-1.173
<i>Odoribacter</i>	-2.082	0.228	-3.106	-1.587
<i>Dorea</i>	-2.162	0.225	-2.821	-1.312
<i>Lactococcus</i>	-2.264	0.345	-3.848	-1.397
<i>Lactobacillus</i>	-2.295	0.641	-4.149	-0.566
<i>Mucispirillum</i>	-2.679	0.582	-4.692	-0.956
<i>TM7_genera_incertae_sedis</i>	-2.778	0.602	-4.682	-1.301
<i>Ureaplasma</i>	-2.828	0.598	-4.655	-0.597
<i>Roseburia</i>	-2.976	0.444	-4.207	-1.755
<i>Butyricoccus</i>	-3.298	0.504	-4.618	-2.085
<i>Turicibacter</i>	-2.925	0.802	-4.687	-0.887
<i>Rikenella</i>	-3.050	0.677	-4.887	-1.430
<i>Alistipes_OTU15</i>	-1.347	0.176	-2.697	-0.915
<i>Alistipes_OTU13</i>	-1.389	0.169	-2.489	-0.970
<i>Bacteroides_OTU3</i>	-1.513	0.338	-3.089	-0.667
<i>HelicobacterganmaniT</i>	-1.503	0.410	-3.757	-0.502
<i>Oscillibacter_OTU3</i>	-1.869	0.232	-2.653	-1.198
<i>Parabacteroides_OTU3</i>	-1.783	0.432	-3.145	-0.654
<i>Parabacteroides_OTU6</i>	-2.084	0.664	-4.165	-1.021
<i>Odoribacter_OTU6</i>	-2.260	0.229	-3.209	-1.722
<i>Bacteroides_OTU12</i>	-2.048	0.578	-4.219	-0.819
<i>Parabacteroides_OTU2</i>	-2.297	0.414	-3.463	-1.122
<i>Dorea_OTU7</i>	-2.444	0.238	-3.444	-1.879
<i>LactMG1363</i>	-2.336	0.361	-3.968	-1.428
<i>Bacteroides_OTU13</i>	-2.428	0.419	-3.874	-1.020
<i>Lactobacillusapodemit</i>	-2.502	0.625	-4.185	-0.613
<i>Odoribacter_OTU1</i>	-2.859	0.272	-3.974	-2.219
<i>Mucispirillumchaedlerit</i>	-2.679	0.582	-4.692	-0.956
<i>Dorea_OTU12</i>	-2.726	0.447	-4.155	-1.318
<i>Bacteroides_OTU0</i>	-2.860	0.426	-4.340	-1.855
<i>Oscillibacter_OTU14</i>	-3.012	0.402	-4.291	-2.018
<i>UreaplasmaurealyticumT</i>	-2.863	0.582	-4.651	-0.991
<i>LactococcusSK11</i>	-3.236	0.404	-4.383	-2.383
<i>Alistipes_OTU2</i>	-3.338	0.382	-4.537	-2.013
<i>Helicobacter51449</i>	-3.152	0.554	-4.472	-1.494
<i>Oscillibacter_OTU6</i>	-3.401	0.509	-4.571	-2.238

<i>Butyricoccus_OTU7</i>	-3.320	0.511	-4.631	-2.104
<i>Roseburia_OTU7</i>	-3.225	0.476	-4.595	-1.897
<i>Lactobacillus33200</i>	-3.240	0.781	-4.763	-0.726
<i>TM7_genera_incertae_sedis_OTU143</i>	-3.378	0.561	-4.730	-1.903
<i>Parabacteroides_OTU8</i>	-3.589	0.380	-4.462	-2.651
<i>Parabacteroides_OTU9</i>	-3.395	0.388	-4.497	-2.371
<i>Odoribacter_OTU2</i>	-3.270	0.489	-4.671	-2.210
<i>Bacteroides_OTU7</i>	-3.328	0.585	-4.688	-2.046
OTU4825	-1.505	0.324	-4.232	-0.875
OTU12405	-1.662	0.254	-3.532	-1.160
OTU13263	-2.166	0.318	-4.289	-1.532
OTU10148	-2.283	0.424	-4.199	-1.084
OTU20373	-2.385	0.288	-3.627	-1.600
OTU26285	-2.485	0.387	-4.042	-1.608
OTU20360	-2.476	0.414	-4.210	-1.633
OTU27073	-2.479	0.455	-4.178	-1.536
OTU21224	-2.441	0.557	-4.425	-1.235
OTU20075	-2.629	0.333	-4.313	-1.928
OTU22342	-2.536	0.595	-4.590	-1.135
OTU21636	-2.700	0.324	-4.258	-1.962
OTU20097	-2.760	0.273	-4.323	-2.173
OTU17491	-2.705	0.475	-4.368	-1.615
OTU18932	-2.751	0.328	-4.070	-1.931
OTU24696	-2.760	0.429	-4.240	-1.639
OTU17740	-2.639	0.666	-4.434	-1.228
OTU26865	-2.805	0.325	-4.289	-2.115
OTU20442	-2.823	0.409	-4.226	-1.518
OTU22207	-2.921	0.350	-4.261	-2.000
OTU23028	-2.769	0.464	-4.400	-1.615
OTU14860	-2.963	0.368	-4.288	-2.218
OTU16767	-3.035	0.356	-4.260	-2.298
OTU28397	-2.973	0.376	-4.220	-2.001
OTU15300	-2.863	0.543	-4.437	-1.558
OTU18390	-3.063	0.410	-4.403	-2.171
OTU19694	-2.995	0.395	-4.388	-2.202
OTU25269	-2.762	0.677	-4.456	-1.383
OTU26116	-2.829	0.630	-4.476	-1.237
OTU28603	-3.051	0.376	-4.199	-2.170
OTU28842	-2.990	0.440	-4.502	-1.999
OTU33579	-3.076	0.379	-4.349	-2.342
OTU16090	-2.817	0.646	-4.562	-1.379
OTU15957	-3.067	0.535	-4.535	-1.864
OTU17350	-3.062	0.415	-4.336	-2.131
OTU24985	-3.172	0.346	-4.327	-2.271
OTU25379	-3.076	0.480	-4.528	-1.656

OTU27979	-3.212	0.353	-4.371	-2.413
OTU30658	-2.938	0.601	-4.419	-1.648
OTU33243	-3.188	0.306	-4.310	-2.552
OTU35558	-3.092	0.354	-4.227	-2.206
OTU14099	-2.971	0.617	-4.769	-1.588
OTU5148	-3.370	0.327	-4.337	-2.442
OTU9731	-3.335	0.412	-4.471	-2.322
OTU11339	-3.015	0.651	-4.498	-1.473
OTU12689	-3.347	0.381	-4.427	-2.406
OTU14730	-3.095	0.622	-4.514	-1.710
OTU15709	-3.286	0.368	-4.328	-2.503
OTU17032	-3.305	0.409	-4.383	-2.333
OTU18150	-3.309	0.342	-4.348	-2.562
OTU19325	-3.062	0.604	-4.582	-1.415
OTU19623	-3.368	0.402	-4.358	-2.460
OTU20333	-3.038	0.693	-4.681	-1.403
OTU20576	-3.432	0.321	-4.408	-2.803
OTU22045	-3.004	0.627	-4.456	-1.619
OTU22363	-3.147	0.568	-4.578	-1.711
OTU23005	-3.011	0.627	-4.699	-1.663
OTU23606	-3.204	0.471	-4.419	-1.934
OTU23975	-3.237	0.432	-4.558	-2.221
OTU24715	-3.188	0.484	-4.472	-1.954
OTU27116	-3.203	0.428	-4.510	-2.240
OTU28205	-3.262	0.447	-4.320	-2.075
OTU28969	-3.253	0.478	-4.484	-2.160
OTU32093	-3.333	0.390	-4.353	-2.412
OTU32230	-3.219	0.448	-4.560	-2.148
OTU33421	-3.327	0.365	-4.375	-2.418
OTU33984	-3.276	0.424	-4.439	-2.343
OTU35368	-3.393	0.388	-4.297	-2.526
OTU35998	-3.266	0.424	-4.361	-2.272
OTU36484	-3.148	0.532	-4.471	-1.886
OTU36691	-3.187	0.390	-4.275	-2.273
OTU40042	-3.246	0.420	-4.593	-2.328
OTU42388	-3.287	0.465	-4.447	-2.122
OTU3615	-2.999	0.815	-4.980	-0.820
OTU10057	-3.299	0.513	-4.599	-1.938
OTU13989	-3.540	0.377	-4.514	-2.672
OTU14011	-3.538	0.343	-4.411	-2.760
OTU14750	-3.478	0.453	-4.514	-2.351
OTU15028	-3.479	0.530	-4.539	-2.006
OTU15766	-3.391	0.444	-4.469	-2.337
OTU16297	-3.065	0.798	-4.627	-1.169
OTU17060	-3.553	0.384	-4.422	-2.436

OTU17889	-3.469	0.396	-4.573	-2.401
OTU17986	-3.596	0.373	-4.446	-2.687
OTU19048	-3.496	0.378	-4.509	-2.503
OTU19337	-3.457	0.362	-4.520	-2.621
OTU20456	-3.307	0.632	-4.587	-1.526
OTU20718	-3.563	0.423	-4.538	-2.536
OTU21089	-3.358	0.581	-4.705	-2.014
OTU21103	-3.379	0.499	-4.730	-1.975
OTU21572	-3.554	0.438	-4.432	-2.454
OTU21685	-3.331	0.488	-4.638	-1.826
OTU21738	-3.556	0.406	-4.578	-2.603
OTU22931	-3.444	0.403	-4.501	-2.499
OTU23082	-3.410	0.442	-4.466	-2.240
OTU23089	-2.989	0.734	-5.150	-0.967
OTU23189	-3.425	0.528	-4.511	-1.962
OTU23411	-3.281	0.639	-4.606	-1.665
OTU23692	-3.290	0.593	-4.592	-1.914
OTU24471	-3.417	0.505	-4.491	-2.214
OTU24562	-3.182	0.696	-4.849	-1.387
OTU24722	-3.628	0.368	-4.444	-2.739
OTU24936	-3.236	0.658	-4.646	-1.697
OTU25483	-3.383	0.542	-4.410	-2.172
OTU25795	-3.349	0.565	-4.585	-2.151
OTU26092	-3.190	0.675	-5.179	-1.360
OTU26118	-3.331	0.616	-4.903	-1.609
OTU26847	-3.323	0.505	-4.577	-1.825
OTU27145	-3.534	0.393	-4.420	-2.612
OTU27257	-3.185	0.599	-4.627	-1.828
OTU28290	-3.359	0.553	-4.635	-1.982
OTU28553	-3.599	0.360	-4.659	-2.687
OTU28557	-3.597	0.368	-4.470	-2.726
OTU28882	-3.481	0.373	-4.386	-2.606
OTU28957	-3.267	0.563	-4.735	-1.579
OTU28965	-3.171	0.546	-4.730	-1.544
OTU29084	-3.476	0.403	-4.474	-2.488
OTU29342	-3.489	0.454	-4.504	-2.422
OTU29519	-3.447	0.390	-4.318	-2.530
OTU29609	-3.584	0.397	-4.502	-2.447
OTU29627	-3.421	0.509	-4.424	-2.236
OTU30089	-3.472	0.455	-4.459	-2.400
OTU30111	-3.595	0.356	-4.508	-2.421
OTU30174	-3.214	0.525	-4.511	-1.923
OTU30840	-3.338	0.456	-4.496	-2.111
OTU31095	-3.407	0.389	-4.580	-2.470
OTU32740	-3.508	0.428	-4.533	-2.512

OTU33382	-3.619	0.377	-4.467	-2.660
OTU33451	-3.572	0.404	-4.423	-2.467
OTU33466	-3.298	0.515	-4.592	-1.900
OTU33934	-3.489	0.456	-4.469	-2.339
OTU34075	-3.493	0.479	-4.753	-2.026
OTU34721	-3.599	0.379	-4.535	-2.582
OTU34852	-3.395	0.404	-4.464	-2.376
OTU35400	-3.424	0.357	-4.445	-2.606
OTU35548	-3.474	0.393	-4.478	-2.521
OTU35875	-3.486	0.390	-4.544	-2.453
OTU35889	-3.274	0.546	-4.519	-2.029
OTU35979	-3.540	0.430	-4.465	-2.312
OTU36501	-3.467	0.446	-4.610	-2.399
OTU36628	-3.354	0.471	-4.424	-2.218
OTU36970	-3.394	0.433	-4.344	-2.282
OTU37029	-3.611	0.361	-4.476	-2.696
OTU37543	-3.548	0.362	-4.383	-2.643
OTU39601	-3.469	0.456	-4.639	-2.236
OTU40229	-3.584	0.340	-4.366	-2.804
OTU40602	-3.658	0.333	-4.513	-2.696
OTU40690	-3.596	0.405	-4.581	-2.532
OTU40724	-3.558	0.439	-4.606	-2.451
OTU41353	-3.447	0.404	-4.458	-2.402
OTU41913	-3.409	0.369	-4.455	-2.569
OTU43368	-3.622	0.379	-4.495	-2.431
OTU46742	-3.648	0.366	-4.425	-2.660
OTU47648	-3.531	0.442	-4.379	-2.214
OTU76611	-3.567	0.433	-4.532	-2.522
