Table S1. Alpha diversity measurements for 16S rRNA amplicon libraries after rarefaction.

Sample	Number of Reads	Species richness (q=0)	Exponential Shannon (q=1)	Inverse Simpson (q=2)
SWph1	24963	277	85.6	26.4
SWph1	24561	268	82.6	26.3
SWph2	16888	281	72.1	17.6
SWph2	18180	281	71.7	17.3
R1ph1	855	179	49.3	16.1
R1ph2	20356	271	91.1	31.4
R2ph1	37823	188	32	8.6
R2ph2	24418	216	34.1	8.7
R3ph1	29576	242	58.5	15.4
R3ph2	28172	188	28.4	9
R4ph1	17634	195	43.4	13.7
R4ph2	33412	192	27.6	8.1
R5ph1	15300	219	21.1	4.5
R5ph2	21991	179	25.2	7.3
R6ph1	16285	243	77	23.8
R6ph2	28650	258	59	14
R7ph1	28190	249	39.7	6.9
R7ph2	21255	199	44	16.9
R8ph1	21887	212	28.5	4.9
R8ph2	16235	254	39.8	9
SED	9103	457	301.1	157.7
SED	19669	497	325.9	164.1
R1sed	23375	396	238	118.5
R3sed	32158	364	171.3	59.4
R4sed	23276	297	92.7	27.7
R6sed	20479	278	92.9	25.9
R7sed	25662	348	177.7	80.1
R8sed	25455	261	68.7	19.8
R1c2	20896	233	53.6	14.7
R1c3	20644	250	63.8	17.1
R2c1	17779	228	58.3	18
R2c3	12846	233	67	24

R3c1	22081	182	20.7	4.5
R3c2	16935	179	18.6	4.1
R3c3	26759	198	23.7	5.8
R4c1	27371	194	32.9	10
R4c2	18560	212	31.6	9.1
R4c3	21267	207	28.6	8
R5c1	19131	209	35.5	11.6
R5c2	21391	193	31.5	10.5
R5c3	21045	259	63.1	18.9
R6c1	24226	262	99.3	38.8
R6c2	13745	237	57.4	14.6
R6c3	16588	249	80.3	29.6
R7c1	19742	214	33.7	8.8
R7c2	21832	215	29.3	7.6
R7c3	17409	231	37.2	9
R8c1	20650	212	25.5	5
R8c2	15244	170	11.3	2.8
R8c3	21990	182	14	3.2