

Table S2 Sequences data for 16S rRNA in soil samples

Samples	Seq num	Base num	Mean length	Min length	Max length
A_S_0m_1	49664	20619318	415.1763	258	507
A_S_0m_2	45346	18825374	415.1496	257	504
A_S_0m_3	46902	19521794	416.2252	283	506
BP_S_0m_1	52677	21869564	415.1634	247	504
BP_S_0m_2	54839	22727665	414.4435	239	495
BP_S_0m_3	81398	33744749	414.5648	277	504
BPA_S_0m_1	50928	21211508	416.4999	246	511
BPA_S_0m_2	56706	23593283	416.0633	274	522
BPA_S_0m_3	54195	22529987	415.7208	247	513
BPB_S_0m_1	45826	18975971	414.0874	330	504
BPB_S_0m_2	49408	20453106	413.9634	284	504
BPB_S_0m_3	49419	20478223	414.3796	334	495
CK_S_0m_1	51409	21335363	415.0122	203	505
CK_S_0m_2	55088	22902849	415.7502	261	512
CK_S_0m_3	52419	21762850	415.171	250	504
PE_S_0m_1	53406	22201721	415.7159	248	504
PE_S_0m_2	62620	25968599	414.7014	234	498
PE_S_0m_3	55642	23089555	414.9663	248	515
PEA_S_0m_1	48517	20178391	415.9035	270	520
PEA_S_0m_2	48264	20064324	415.7203	239	504
PEA_S_0m_3	74413	30891068	415.13	223	506
PEB_S_0m_1	50587	20956277	414.2621	200	524
PEB_S_0m_2	50968	21132183	414.6167	307	530
PEB_S_0m_3	53693	22257901	414.5401	301	530
A_S_1m_1	38875	16202257	416.7783	291	502
A_S_1m_2	40830	16917245	414.3337	246	504
A_S_1m_3	39040	16213947	415.3163	257	497

BP_S_1m_1	38199	15895668	416.1279	259	495
BP_S_1m_2	35407	14703604	415.2739	253	509
BP_S_1m_3	39700	16481321	415.1466	297	530
BPA_S_1m_1	38050	15816836	415.6856	317	505
BPA_S_1m_2	37490	15594682	415.9691	220	523
BPA_S_1m_3	36476	15161658	415.6612	222	536
BPB_S_1m_1	56773	23539791	414.63	259	504
BPB_S_1m_2	57483	23842213	414.7698	246	530
BPB_S_1m_3	58242	24109958	413.9617	233	511
CK_S_1m_1	36695	15539232	423.47	262	477
CK_S_1m_2	38788	16129531	415.8382	232	505
CK_S_1m_3	36725	15280108	416.0683	262	530
PE_S_1m_1	32839	13654083	415.7886	358	504
PE_S_1m_2	35934	14942427	415.8298	286	530
PE_S_1m_3	36021	15006547	416.6055	245	498
PEA_S_1m_1	35910	14956088	416.4881	327	495
PEA_S_1m_2	36933	15330662	415.0939	205	530
PEA_S_1m_3	39471	16428903	416.2272	317	530
PEB_S_1m_1	61563	25520795	414.5476	245	533
PEB_S_1m_2	61962	25682108	414.4816	246	495
PEB_S_1m_3	56268	23375859	415.4379	291	515
A_R_3m_1	44302	18322312	413.5775	232	521
A_R_3m_2	49279	20317107	412.2873	203	518
A_R_3m_3	43146	17789988	412.3207	236	498
BP_R_3m_1	49367	20344032	412.0978	248	504
BP_R_3m_2	41740	17305933	414.6127	270	495
BP_R_3m_3	52962	21960906	414.654	219	503
BPA_R_3m_1	48788	20310357	416.2982	219	530
BPA_R_3m_2	50367	20846050	413.8831	245	511

BPA_R_3m_3	51338	21192288	412.7993	245	480
BPB_R_3m_1	56704	23451481	413.5772	210	508
BPB_R_3m_2	49810	20741835	416.4191	250	511
BPB_R_3m_3	53732	22023765	409.8817	258	490
CK_R_3m_1	44342	18342100	413.6507	246	481
CK_R_3m_2	46274	19125398	413.3076	247	505
CK_R_3m_3	48053	19811815	412.2909	250	513
PE_R_3m_1	50732	20988065	413.7047	264	511
PE_R_3m_2	46704	19350185	414.3154	245	527
PE_R_3m_3	53319	22137166	415.1834	245	524
PEA_R_3m_1	44966	18589218	413.4061	203	504
PEA_R_3m_2	41070	17075869	415.7748	319	504
PEA_R_3m_3	47981	19865100	414.0201	244	507
PEB_R_3m_1	51608	21364425	413.9751	208	503
PEB_R_3m_2	49845	20673820	414.7622	232	504
PEB_R_3m_3	49693	20621743	414.9829	262	530
A_NR_3m_1	46306	19188185	414.3779	236	483
A_NR_3m_2	48250	20000635	414.5209	233	530
A_NR_3m_3	107474	44605609	415.0363	209	504
BP_NR_3m_1	36275	15080155	415.7176	336	510
BP_NR_3m_2	47363	19636371	414.5931	216	518
BP_NR_3m_3	33236	13779217	414.5871	317	495
BPA_NR_3m_1	47243	19653649	416.0119	229	523
BPA_NR_3m_2	52465	21766933	414.8848	230	510
BPA_NR_3m_3	48566	20105249	413.9779	245	504
BPB_NR_3m_1	47298	19594917	414.2864	270	511
BPB_NR_3m_2	45272	18802521	415.3234	246	506
BPB_NR_3m_3	45909	19049981	414.9509	203	505
CK_NR_3m_1	131834	54781248	415.532	202	535

CK_NR_3m_2	46765	19421993	415.3104	232	530
CK_NR_3m_3	47479	19709337	415.1169	265	502
PE_NR_3m_1	46451	19293680	415.3555	219	512
PE_NR_3m_2	47444	19717642	415.5982	245	530
PE_NR_3m_3	47502	19732722	415.4082	249	490
PEA_NR_3m_1	41169	17082921	414.9462	254	501
PEA_NR_3m_2	45672	18954070	415.0042	245	530
PEA_NR_3m_3	44367	18437200	415.5611	230	498
PEB_NR_3m_1	48598	20145907	414.5419	231	524
PEB_NR_3m_2	45977	19121724	415.8976	245	514
PEB_NR_3m_3	50637	21006033	414.8357	240	503

Seq num, the sequences number for each tailing site; Mean length, the average length of sequences.