Phylum	Top w	Slope W	Base W	Interdune	Base E	Slope E	Top E
Proteobacteria	42.27	43.08	48.00	34.90	44.09	49.57	43.89
Actinobacteria	12.90	15.71	33.48	50.46	36.11	25.81	16.36
Bacteroidetes	16.41	31.33	10.24	5.76	12.19	14.95	13.65
Firmicutes	9.44	3.02	3.16	0.52	0.90	6.66	7.07
Chloroflexi	10.74	0.77	0.25	1.18	0.68	0.20	9.99
Acidobacteria	1.13	0.82	2.40	4.10	3.31	0.71	1.39
Deinococcus-Thermus	1.51	1.79	0.92	0.17	0.73	1.45	1.84
Armatimonadetes	0.82	0.68	0.53	0.62	0.68	0.17	1.41
Verrucomicrobia	1.34	0.87	0.19	0.30	0.12	0.07	1.03
Planctomycetes	1.25	0.33	0.10	0.24	0.14	0.01	1.23
Gemmatimonadetes	0.15	0.66	0.28	0.41	0.29	0.07	0.32
Aquificae	0.68	0.08	0	0.09	0.04	0.03	0.77
Acetothermia	0.56	0.11	0.01	0.13	0.14	0	0.65
Candidatus Saccharibacteria	0.03	0.30	0.15	0.13	0.31	0.18	0.03
Thermodesulfobacteria	0.09	0.06	0.09	0.28	0.18	0.03	0.13
Ignavibacteriae	0.25	0	0	0	0	0	0.07
Tenericutes	0.12	0.10	0.07	0	0	0.01	0.03
candidate division WPS-2	0.08	0.12	0.04	0	0.01	0	0.03
Cyanobacteria/Chloroplast	0	0	0	0.43	0	0.06	0
Nitrospirae	0.01	0.09	0.06	0.04	0.01	0.01	0.01
candidate division WPS-1	0.05	0.03	0	0.17	0.03	0	0
Deferribacteres	0.10	0	0	0	0	0	0
candidate division ZB3	0	0.04	0	0.04	0.04	0	0
Synergistetes	0.03	0	0	0	0	0	0.03
Lentisphaerae	0.03	0	0	0	0	0	0.03
Omnitrophica	0.01	0	0	0	0	0	0.03
Parcubacteria	0.02	0	0	0	0	0	0
Elusimicrobia	0	0	0	0.02	0	0	0
Hydrogenedentes	0	0	0.01	0	0	0	0
Thermotogae	0	0	0.01	0	0	0	0

Supplementary Table S1. Relative abundances (%) of the bacteria phyla detected by 16S rRNA gene pyrosequencing in the soils of the seven dune zones studied. E: East / W: West