

Table S21. Total Variance Explained by PCA for root samples

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	5.289	52.892	52.892	5.289	52.892	52.892	3.236	32.359	32.359
2	1.563	15.626	68.518	1.563	15.626	68.518	2.790	27.898	60.256
3	1.065	10.653	79.171	1.065	10.653	79.171	1.891	18.915	79.171
4	0.663	6.628	85.799						
5	0.569	5.688	91.487						
6	0.440	4.405	95.892						
7	0.225	2.245	98.138						
8	0.106	1.059	99.197						
9	0.052	0.519	99.716						
10	0.028	0.284	100.000						