Table S5 Topological properties of the empirical pMENs of soil bacterial communities in nine groups.

| Network Indexes | CK_30 | CK_60 | CK_90 | R1_30 | R1_60 | R1_90 | S1_30 | S1_60 | S1_90 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total OTU       | 4465  | 4723  | 5244  | 4843  | 4671  | 3699  | 4173  | 5825  | 5140  |
| Number of OTU with 8 in all 8 samples cutoff | 1072  | 1111  | 1064  | 1135  | 1137  | 288   | 1021  | 1775  | 1176  |
| Total nodes     | 485   | 443   | 554   | 525   | 497   | 220   | 442   | 357   | 572   |
| Total links     | 1560  | 1125  | 1392  | 1682  | 1280  | 668   | 782   | 1720  | 1371  |
| Positive links  | 575   | 464   | 771   | 802   | 551   | 644   | 394   | 423   | 546   |
| R square of power-law module | 0.912  | 0.824  | 0.889  | 0.873  | 0.899  | 0.783  | 0.914  | 0.618  | 0.837  |
| modularity      | 0.502  | 0.525  | 0.688  | 0.538  | 0.609  | 0.746  | 0.686  | 0.404  | 0.589  |
| Average degree (avgK) | 6.433  | 5.079  | 5.025  | 6.408  | 5.151  | 6.073  | 3.538  | 9.636  | 4.794  |
| Average clustering coefficient (avgCC) | 0.151  | 0.129  | 0.204  | 0.153  | 0.149  | 0.402  | 0.124  | 0.121  | 0.177  |
| Average path distance (GD) | 4.438  | 5.152  | 6.277  | 4.357  | 4.327  | 5.809  | 4.968  | 4.149  | 5.689  |