**Table S1**. Variations in diversity (Phylogenetic diversity, OTU richness, Chao 1 and Shannon) in different sampling location. Different letters represent significant differences by Two-way ANOVA (*P* < 0.05).

|  |  |  |  |
| --- | --- | --- | --- |
| 　 | temproal change | spatial change | temproal\*spatial |
| 　 | F | *P* | F | *P* | F | *P* |
| PD | 10.296  | 0.000  | 5.298  | 0.024  | 11.969  | 0.000  |
| chao1 | 5.922  | 0.004  | 9.694  | 0.003  | 12.136  | 0.000  |
| observed species | 8.588  | 0.000  | 3.256  | 0.075  | 10.124  | 0.000  |
| shannon | 11.196  | 0.000  | 0.232  | 0.631  | 3.321  | 0.041  |