**Table.S2** The relative abundance of dominant classes in different treatments.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class | Treatments | | | | | | | | |
| UL | CK | | NPK | | M | | MNPK | |
| Alphaproteobacteria | 0.43±0.05b | | 0.70±0.14a | | 0.68±0.07a | | 0.58±0.10ab | | 0.57±0.02ab | |
| Betaproteobacteria | 0.22±0.09a | | 0.13±0.09a | | 0.12±0.03a | | 0.21±0.05a | | 0.20±0.03a | |
| Gammaproteobacteria | 0.09±0.01a | | 0.03±0.01bc | | 0.02±0.00bc | | 0.04±0.01b | | 0.02±0.00c | |
| Cyanophyceae | 0.15±0.04a | | 0.05±0.02b | | 0.09±0.01b | | 0.06±0.03b | | 0.06±0.03b | |
| Cyanobacteria | 0.02±0.00a | | 0.01±0.00b | | 0.01±0.00b | | 0.01±0.01b | | 0.01±0.00b | |
| Actinobacteria | 0.04±0.01ab | | 0.02±0.00b | | 0.04±0.01ab | | 0.03±0.01ab | | 0.05±0.02a | |