**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 |