**Table S1.** Alpha diversity index (α-diversity index) for the bacterial community among different grids.

|  |  |
| --- | --- |
| α-Diversity index | Sample plot groups |
| Y000 | Y010 | Y011 | Y001 | Y101 |
| OTUs1 | 5011±105a | 4859±57a | 4948±92a | 5005±265a | 4756±117a |
| OTUs2 | 4379±82a | 4246±62a | 4312±75a | 4350±176a | 4109±90a |
| Coverage3 | 0.9847±0.003a | 0.9843±0.003a | 0.985±0.006a | 0.9857±0.027a | 0.9847±0.003a |
| Shannon4 | 10.21±0.084a | 9.98±0.09a | 10.1±0.004a | 10.02±0.088a | 9.95±0.098a |
| Simpson5 | 0.9973±0.0007a | 0.9967±0.0003a | 0.997a | 0.9967±0.0003a | 0.9963±0.0003a |

Values are the mean ± standard deviation (N=3). Values within the same row followed by the same letter are not significantly different at *P*>0.05 (ANOVA, Tukey’s analysis). 1 OTUs: number of operational taxonomic units (97% similarity) before normalization. 2 OTUs: number of operational taxonomic units (97% similarity) after normalization. 3 Coverage: Good’s coverage estimator. 4 Shannon: Shannon index. 5 Simpson: Simpson index.