Response of Soil Microbial Community Diversity to Long-Term Cultivation of Rice (*Oryza sativa* L.)/Cherry Tomato (*Lycopersicon esculentum* Mill.) in Rotation

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1. Basic information of the study plot

The geographical location and area size of 15 plots were listed in Table S1. In addition, the fertilization of each study plot was as follows: Compound fertilizer($N:P_2O_5:K_2O$=15:5:15) was applied at 1800 kg per ha in the cherry tomato season and 300 kg compound fertilizer per ha in the rice season in the five treatments. And the varieties of rice and cherry tomato and field management measures of each treatment were basically consistent.

Table S1. Geographical location and planting area size of the study area

Study plots	East longitude	Northern latitude	Cultivated area/ha	Starting time of crop rotation (Year-Month)
1a-1	110°04′19.4″E	18°33′21.7″N	0.2	2021-10
1a-2	110°04′37.7″E	18°33′59.8″N	0.3	2021-10
1a-3	110°04′53.2″E	18°33′36.0″N	0.2	2021-10
3a-1	110°04′43.8″E	18°33′35.7″N	0.2	2019-10
3a-2	110°04′42.4″E	18°33′34.1″N	0.2	2019-10
3a-3	110°05′09.6″E	18°33′43.6″N	0.3	2019-10
5a-1	110°04′42.1″E	18°33′31.7″N	0.2	2017-10
5a-2	110°04′27.5″E	18°33′23.9″N	0.3	2017-10
5a-3	110°06′03.3″E	18°33′38.7″N	0.2	2017-10
7a-1	110°05′11.1″E	18°33′51.7″N	0.3	2015-10
7a-2	110°05′51.3″E	18°33′35.4″N	0.3	2015-10
7a-3	110°06′06.0″E	18°33′38.7″N	0.2	2015-10
10a-1	110°04′19.8″E	18°33′22.2″N	0.2	2012-10
10a-2	110°04′43.8″E	18°33′37.7″N	0.2	2012-10
10a-3	110°04′52.5″E	18°33′38.0″N	0.2	2012-10

1a, 3a, 5a, 7a and 10a represent rice-cherry tomato rotation for 1, 3, 5, 7 and 10 years, respectively. -1, -2 and-3 represent triple repetition per planting years of rice-cherry tomato rotation, respectively.