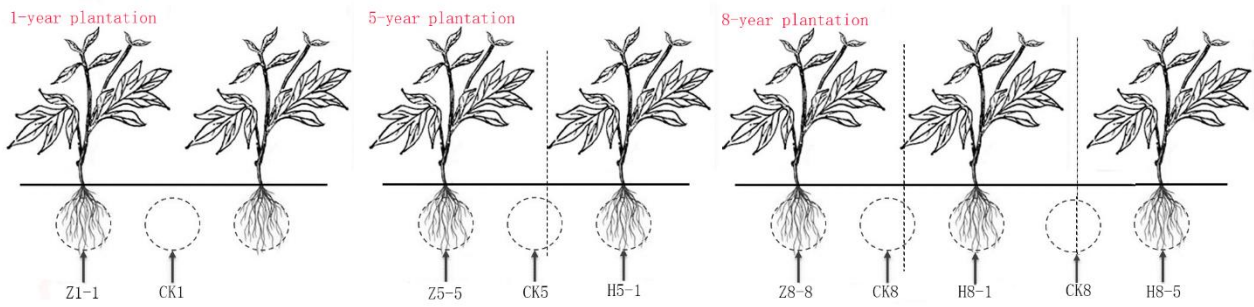
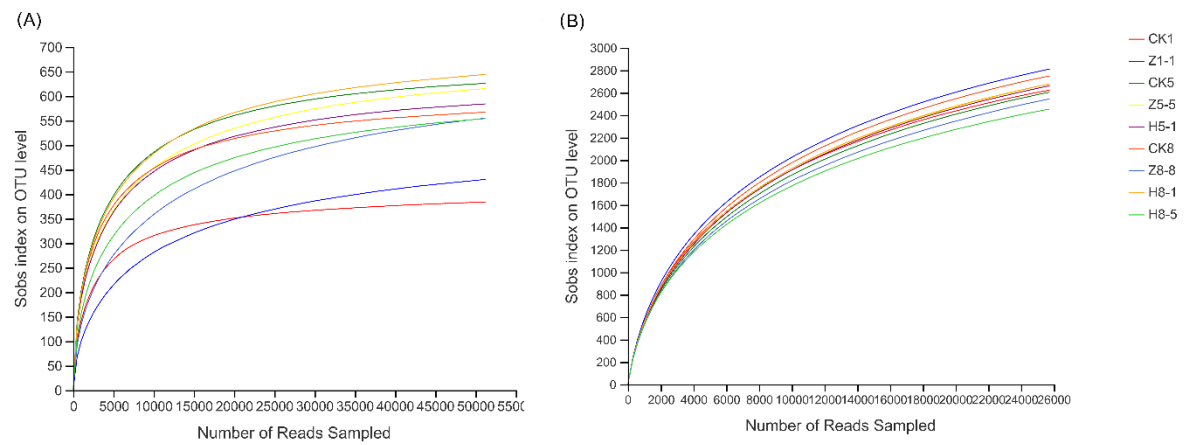


## Supplementary Materials:



**Figure.S1** Soil sample. Note: The naming of each sample in the table is the same as that in Table 2.



**Figure.S2** Rarefaction curves of OTUs in each soil sample. Note: The naming of each sample in the figure is the same as that in Table 2. (A): Rarefaction curves of OTUs of fungi; (B): Rarefaction curves of OTUs of bacteria.

**Table S1** Relative abundance of fungi communities in soil under different years of planting and replanting at the species level.

Sample		<i>Clitopilus</i> sp.	<i>Psathyrella</i> <i>kellermanii</i>	<i>Cystobasidium</i> <i>minuta</i>
1-year plantation	CK1	0.00%	0.00%	0.00%
	Z1-1	0.00%	0.00%	0.00%
5-year plantation	CK5	0.00%	0.00%	0.00%
	Z5-5	0.00%	0.00%	0.00%
	H5-1	0.00%	0.00%	0.00%
8-year plantation	CK8	0.00%	0.00%	0.00%
	Z8-8	0.00%	0.00%	0.00%
	H8-1	0.01%	0.04%	0.02%
	H8-5	0.05%	0.02%	0.01%

Note: The naming of each sample in the table is the same as that in Table 2.

**Table S2** Relative abundance of bacterial communities in soil under different years of planting and replanting at the species level.

Sample		<i>Azorhizobium</i> <i>doebereinerae</i>	<i>Legionella</i> <i>feeleii</i>	<i>Verrucomicrobiaceae</i> <i>bacterium</i>	<i>Sphaerobacter</i> <i>thermophiles</i> DSM_20745
1-year plantation	CK1	0.00%	0.00%	0.00%	0.00%
	Z1-1	0.00%	0.00%	0.00%	0.00%
5-year plantation	CK5	0.00%	0.00%	0.00%	0.00%
	Z5-5	0.00%	0.00%	0.00%	0.00%
	H5-1	0.00%	0.00%	0.00%	0.00%
8-year plantation	CK8	0.00%	0.00%	0.00%	0.00%
	Z8-8	0.00%	0.00%	0.00%	0.00%
	H8-1	0.00%	0.00%	0.00%	0.00%
	H8-5	0.05%	0.04%	0.03%	0.01%

Note: The naming of each sample in the table is the same as that in Table 2.