

**Table S1.** Soil properties in bulk soil and rhizosphere soil

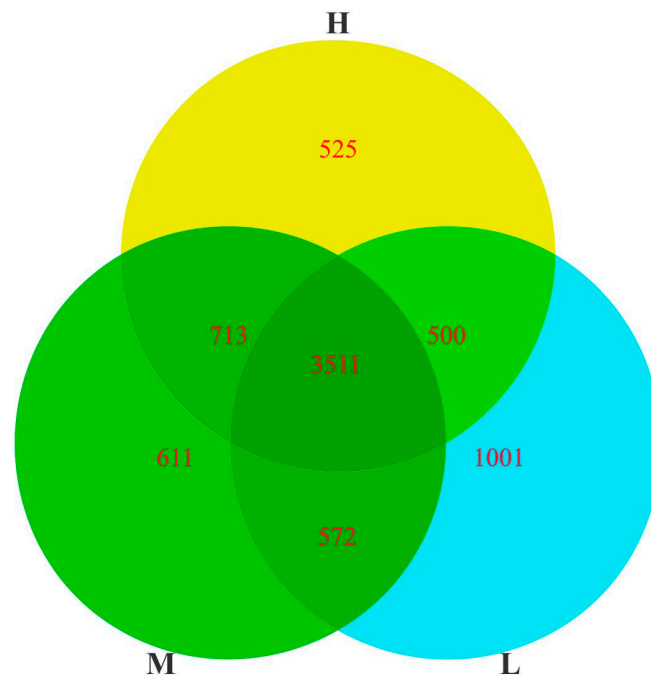
Soil	SOM/%		pH		Eh/mV		CEC/ mol·kg <sup>-1</sup>	
	Bulk soil	Rhizosphere soil	Bulk soil	Rhizosphere soil	Bulk soil	Rhizosphere soil	Bulk soil	Rhizosphere soil
L	33.87±5.87a	34.13±3.44a	6.99±0.14a	6.81±0.03a	693.15±9.58a	672.00±10.11a	14.35±0.71b	16.23±0.48a
M	36.63±5.01a	38.10±6.26a	7.38±0.28a	7.12±0.10a	679.28±10.52a	642.00±11.14b	13.89±0.85a	16.01±1.02a
H	33.67±1.66a	34.50±2.14a	7.54±0.18a	7.27±0.09a	661.87±7.42a	646.67±8.33a	13.78±0.59b	15.43±0.68a

Data represent average mean from three repetitions. Each value is followed by its SD. Different letters between bulk soil and rhizosphere soil in the same treatment are significantly different at  $p<0.05$ .

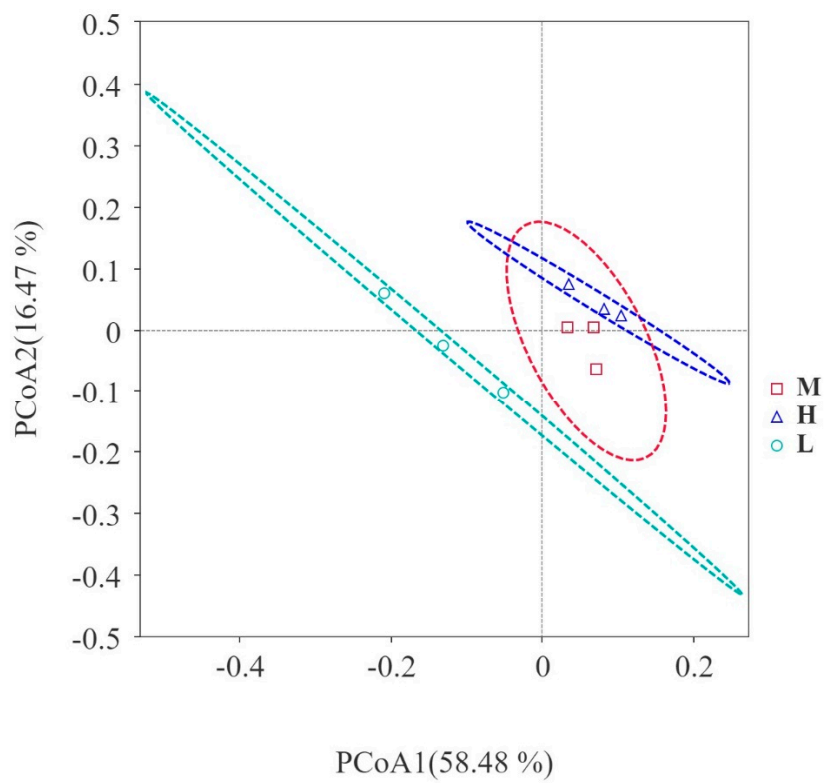
**Table S2.** Changes of  $\alpha$ -diversity of soil bacterial communities

Soil	Observed species	Shannon	Simpson	ACE	Chao
L	3750±126a	9.97±0.15a	0.99±0.00a	4160.61a	4110±106a
M	3890±142a	10.05±0.04a	0.99±0.00a	4520.40a	4479±447a
H	3676±87a	9.99±0.06a	0.99±0.00a	4073.12a	4004±105a

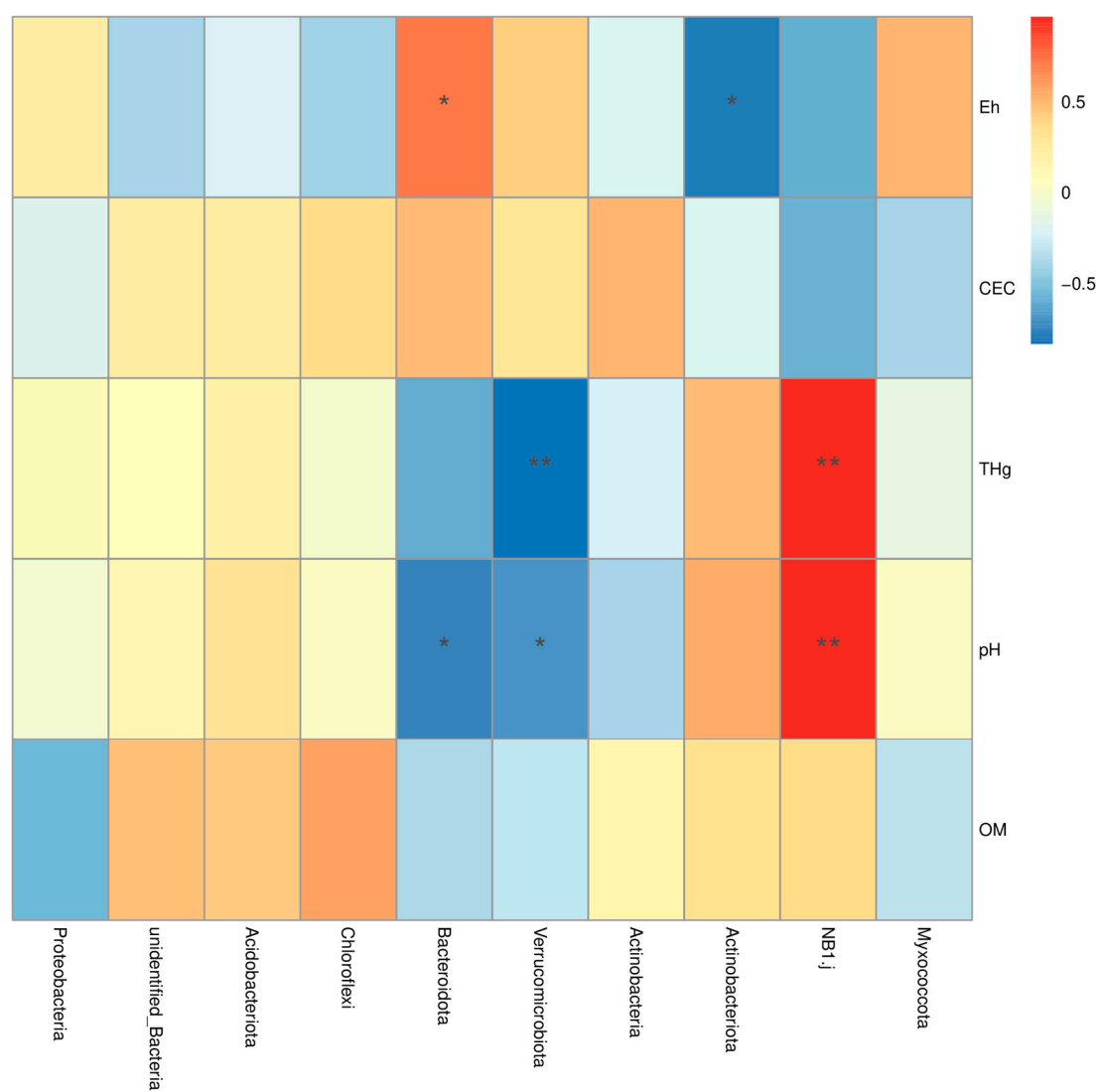
Data represent average mean from three repetitions. Different letters in the same column are significantly different at  $p<0.05$ .



**Figure S1.** Unique OTUs in the three plots



**Figure S2.** PCoA of the soil bacterial community



**Figure S3.** Spearman correlation analysis of the soil environmental variables and the 10 most abundant phyla.