

Table S3. The degree of soil heavy metal pollution was analyzed by Single pollution index method

Treatment	Sample	P _i Cu	P _i Zn	P _i Mn	P _i Pb	P _i Cd
A	S1	1.89	1.97	0.32	3.64	1.48
	S2	1.86	2.00	0.33	3.10	1.63
	S3	1.72	2.00	0.33	3.89	1.64
	S4	1.96	1.99	0.30	3.99	1.39
	Contamination grade	Slight pollution	Slight pollution	Non-pollution	Moderate pollution	Slight pollution
B	S1	1.78	1.88	0.33	3.54	1.31
	S2	1.67	1.95	0.31	3.16	1.29
	S3	1.46	1.90	0.31	3.74	1.30
	S4	1.78	1.90	0.29	4.02	1.25
	Contamination grade	Slight pollution	Slight pollution	Non-pollution	Moderate pollution	Slight pollution
CK	S1	0.36	0.69	0.69	0.53	0.92
	S2	0.35	0.70	0.71	0.46	0.96
	S3	0.33	0.71	0.69	0.50	0.93
	S4	0.35	0.70	0.68	0.48	0.93
	Contamination grade	Non-pollution	Non-pollution	Non-pollution	Non-pollution	Non-pollution
	Background value	79 mg/kg	139 mg/kg	530 mg/kg	67 mg/kg	0.71 mg/kg