

Supplementary Materials

Table S1. DSE infection characteristics in maize roots

Cd stress (mg·kg ⁻¹)	Treatment	Colonization rate (%)
0	CK	—
	DSE	25.8±2.36 c
5	CK	—
	DSE	30.0±6.50 b
10	CK	—
	DSE	35.0±5.1 ab
20	CK	—
	DSE	42.6±4.1 a

All values represent the means ± standard deviations, $n=4$. Cd: cadmium treatment, CK: the control of non-inoculation, DSE: *Exophiala pisciphila* inoculation. Different little letters in the table refer to $p < 0.05$ according to the LSD test. "—" indicates the index of the material was not detected.

Table S2. Correlation analysis between plant biomass, root morphology and chemical forms, subcellular distribution

	Cd conten t	Biomass	Root length	Root surface area	Average root diameter	Root tips number	Root branch number	Root crossing number
Cd Content	1	-0.449**	0.371**	0.025	-0.381**	0.594**	0.319*	0.374**
Inorganic Cd	0.589**	-0.399**	0.004	-0.167	-0.117	0.168	-0.019	0.001
Water soluble Cd	0.604**	-0.340*	0.133	-0.063	-0.143	0.366*	0.075	0.053
Pectates and protein integrated Cd	0.811**	-0.303*	0.366*	0.190	-0.448**	0.785**	0.190	0.065
Insoluble phosphate Cd	0.569**	0.054	0.580**	0.047	-0.319*	0.510**	0.399*	0.505**
Oxalate Cd	0.595**	-0.560**	0.208	-0.050	-0.302*	0.389**	0.218	0.237
Cell wall	0.850**	-0.117	0.621**	0.146	-0.528**	0.796**	0.538**	0.546**
Soluble fractions	0.830**	-0.127	0.552**	0.116	-0.475**	0.615**	0.352*	0.407**
Organelle	0.882**	-0.082	0.575**	0.166	-0.463*	0.616**	0.477**	0.331**

“*” means significant difference ($p < 0.05$), and “**” means very significant difference ($p < 0.01$), respectively. $n=24$.