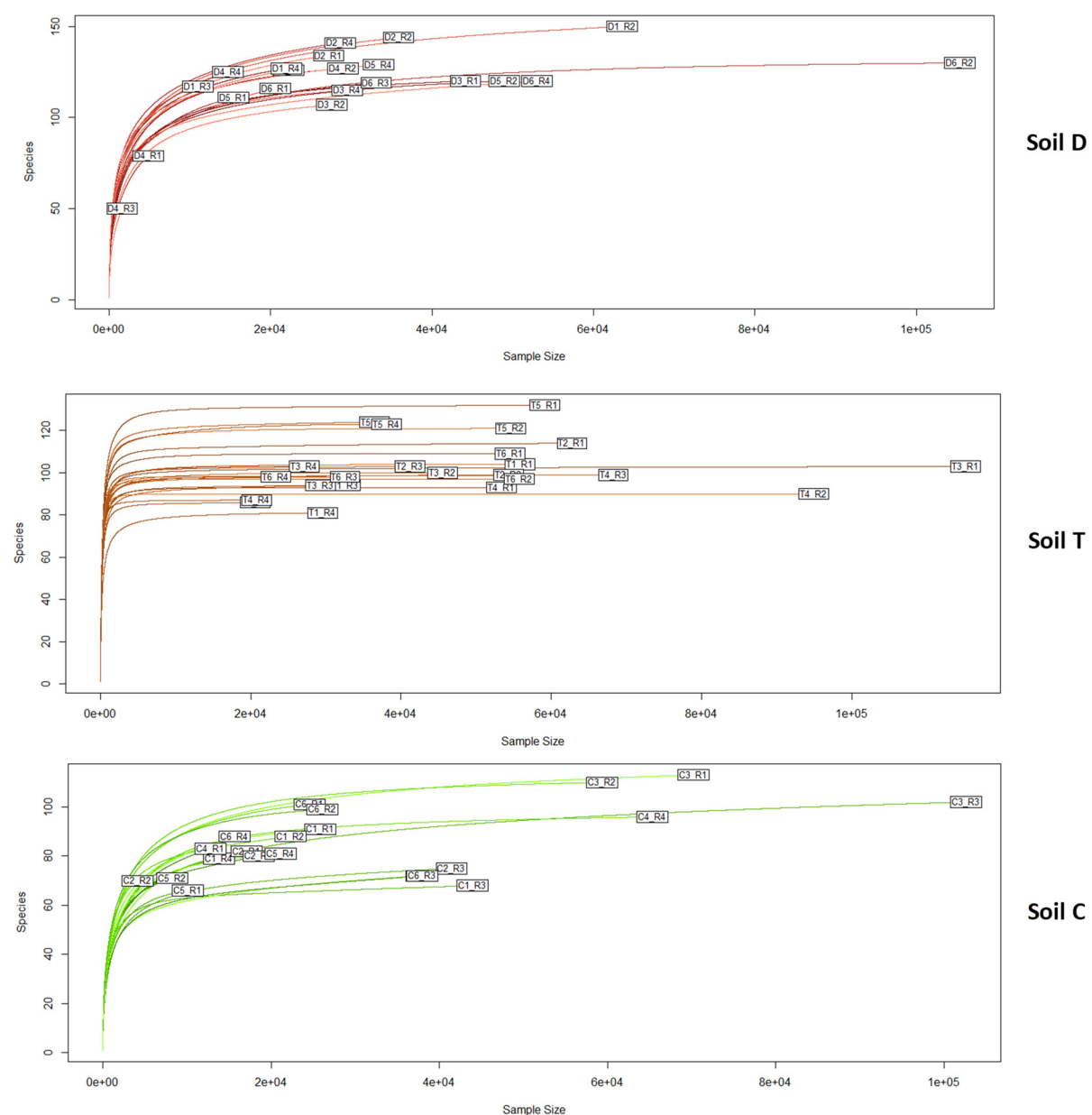


## Supplementary materials



**Figure S1.** Rarefaction curves from the number of sequences from the three studied soil samples.

**Table S1.** Effects of soil type and PCB concentrations on the evenness and richness of fungal communities (\*\* $P < 0.001$ , \*\* $P < 0.01$ , \* $P < 0.05$ ).

<b>(Evenness)</b>						
	Df	R <sup>2</sup>	Adjusted R <sup>2</sup>	Variance	F	Pr(>F)
PCB	1	0.0669	0.00858	0.00015255	1.1471	0.295
Soil	4	0.95015	0.93481	0.00216664	61.945	0.001
Residual			0.05685			
Total	18			0.0022803		
<b>(Richness)</b>						
	Df	R <sup>2</sup>	Adjusted R <sup>2</sup>	Variance	F	Pr(>F)
PCB	1	0.25282	0.20612	113.18	5.4138	0.026
Soil	4	0.62168	0.50527	278.31	5.3405	0.011
Residual			0.53592			

**Table S2.** Variance partitioning indicating the effects of PCBs and soil physico-chemical properties on the distribution of fungal communities in the 3 studied soils (\*\* $P < 0.001$ , \*\* $P < 0.01$ , \* $P < 0.05$ ).

	Df	Sum Of Squares	R <sup>2</sup>	F	Pr(>F)
Total PCB	1	2.0671	0.37771	26.3015	0.001
Nitrogen	1	1.5963	0.29168	20.3109	0.001
Carbon	1	0.6155	0.11247	7.8318	0.001
pH	1	0.1921	0.03511	2.4446	0.032
Organic Matter	1	0.0586	0.0107	0.7453	0.535
Residual	12	0.9431	0.17233		
Total	17	5.4727	1		