

Supplementary material for

Identifying microbial distribution drivers of archaeal community in sediments from a black-odorous urban river – a case study of the Zhang River basin

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Table S1. The Good's coverage of the archaeal community from the eight sediment samples. The result are presented as mean \pm standard deviation (SD)

Samples	The Good's coverage value
A	99.61% \pm 0.06%
B	99.21% \pm 0.06%
C	99.60% \pm 0.05%
D	99.29% \pm 0.11%
E	99.32% \pm 0.07%
F	99.34% \pm 0.07%
G	99.21% \pm 0.12%
H	99.20% \pm 0.18%

Table S2. VIF value for selected environmental factors

Physicochemical factor	VIF Value	Physicochemical factor	VIF Value
TP	2.89	Zn	2.00
Eh	1.41	As	1.37
pH	2.74	Cd	4.71
Cr	2.41	Pb	4.48
Cu	3.82		

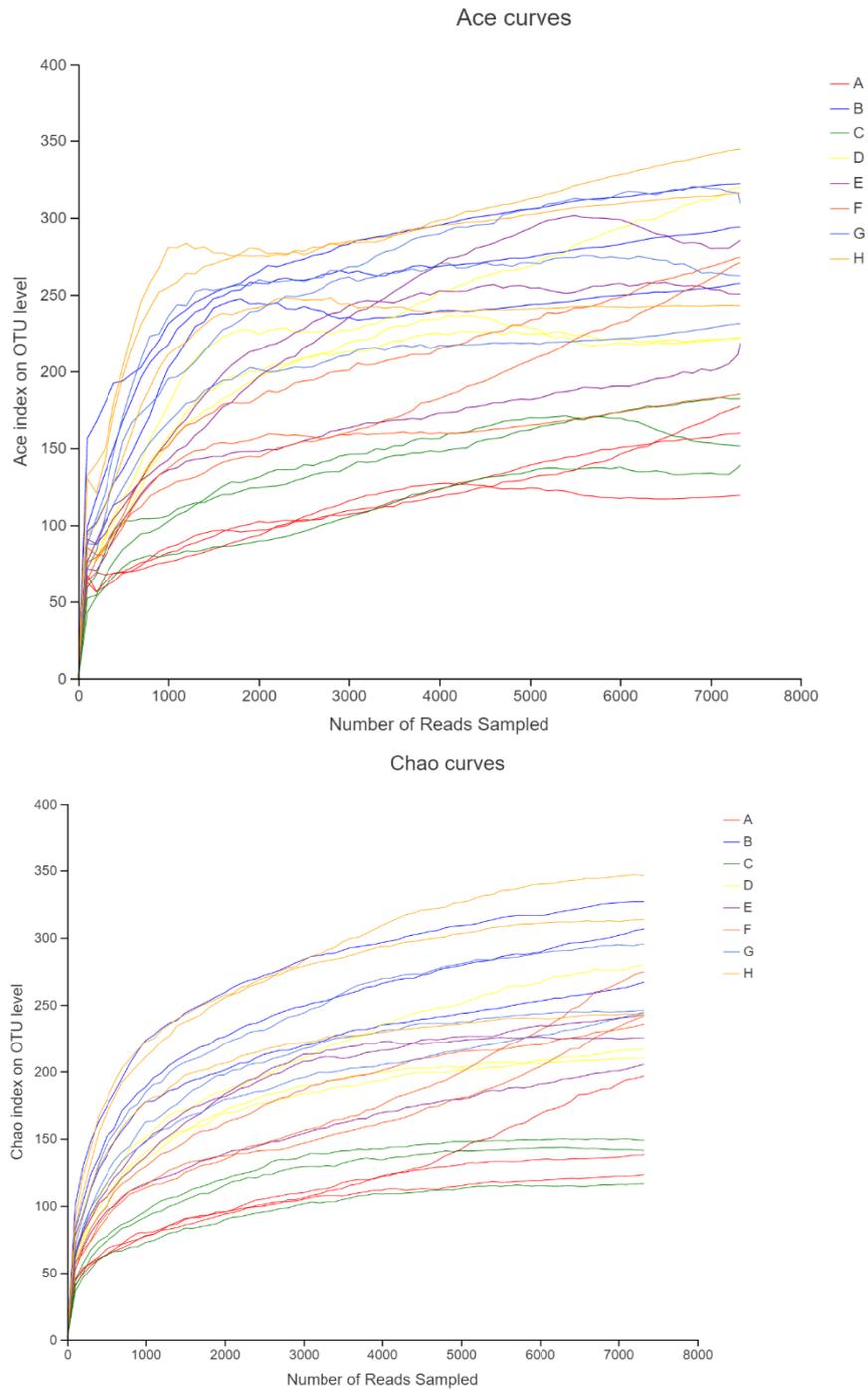


Figure S1. The rarefaction curves for ACE and Chao1 index of the archaeal community from the eight sediment samples.