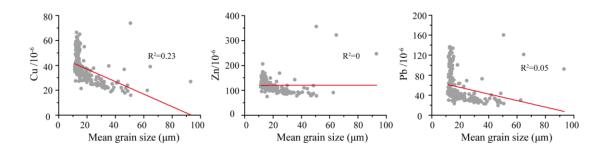
## Supplementary information:



**Fig. S1.** The correlations between the mean grain size and the concentrations of Cu, Zn, and Pb in core HOBAB4-S2.