



Supplementary Figure 2. Images of phase-contrast microscope of Los Rueldos eukaryotes. **(A)** [a], [b], filamentous algae; [c] diatoms; [d] cyanobacteria (40X). **(B)** Detail on the different morphotypes of Los Rueldos diatoms (100X). **(C)** Image displaying low abundant protozoans (likely from the class *Spirotrichea*, which includes ciliate protozoans) in open-air water samples (40X).