

Fig. S1. Mineralized sulfur fractions from Gypsum Hill Spring sediments. y-axis extraction fractions include Milli-Q water extraction of aqueous sulfates ($\text{SO}_{4, \text{sol}}$), methanol extraction of elemental sulfur (S^0), hydrochloric acid extraction of acid volatile sulfides (AVS), acidic chromium extraction of chromium reducible sulfur (CRS), Thode solution extraction of CRS-soluble sulfur (CRS_{sn}), and Thode solution extraction of CRS-insoluble sulfates ($\text{SO}_{4, \text{insol}}$).

