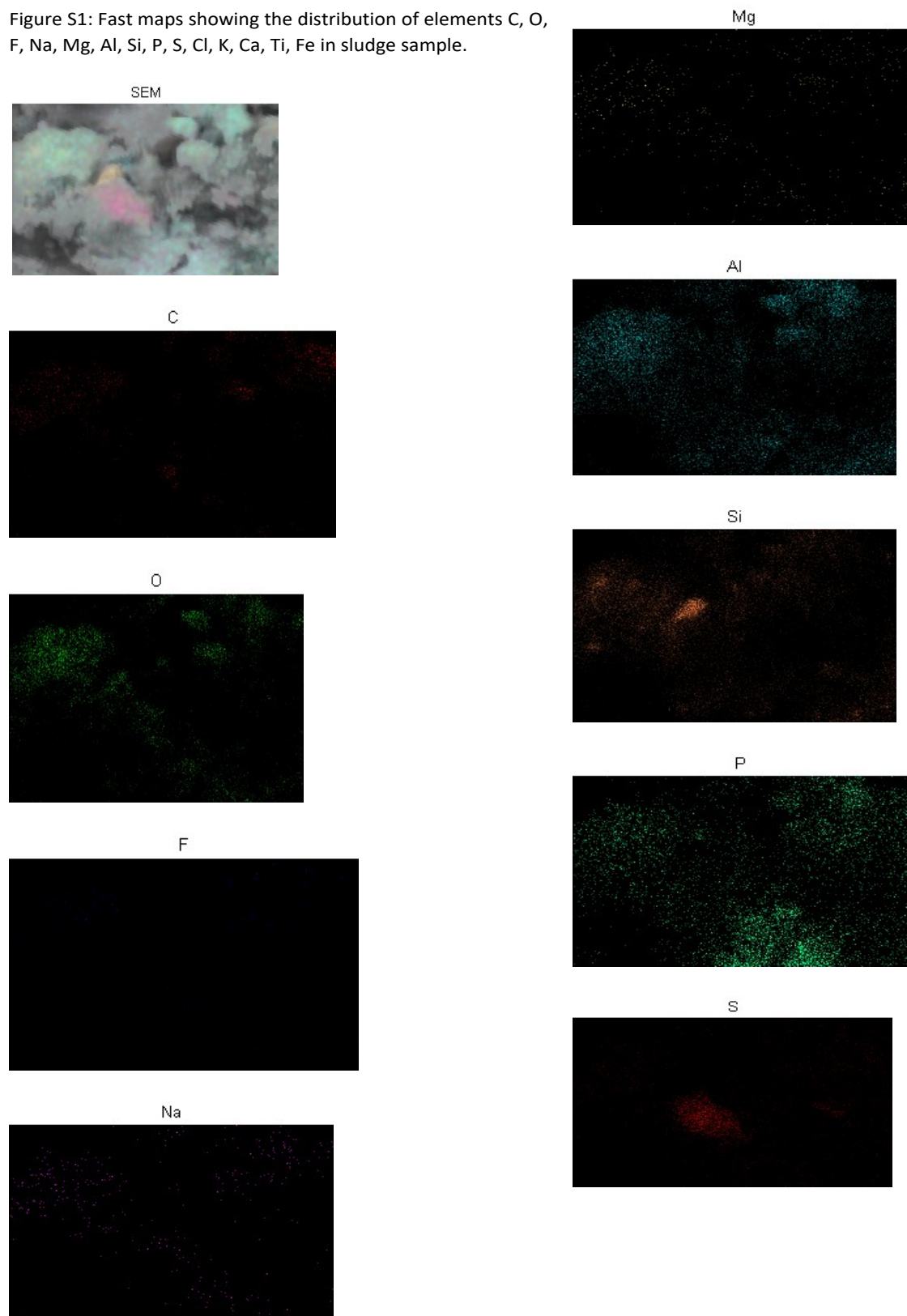
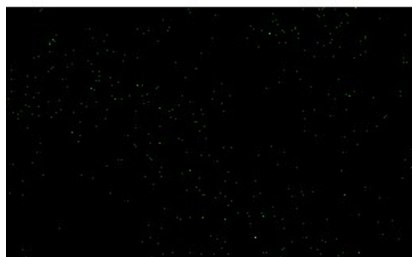


Figure S1: Fast maps showing the distribution of elements C, O, F, Na, Mg, Al, Si, P, S, Cl, K, Ca, Ti, Fe in sludge sample.



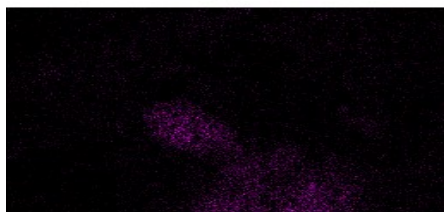
Cl



K



Ca



Ti



Fe

