

Figure S4. A graph in logarithmic scale of  $X_q$  versus  $\varepsilon$  for  $q$  varying from -5 to 5, showing a linear fit for all  $q$  considered, corresponding to the plates with 3 weeks of community development. The  $R^2$  values were between 0.980 and 0.999. The label number refers to the original image number.

