

## SUPPLEMENTARY MATERIALS

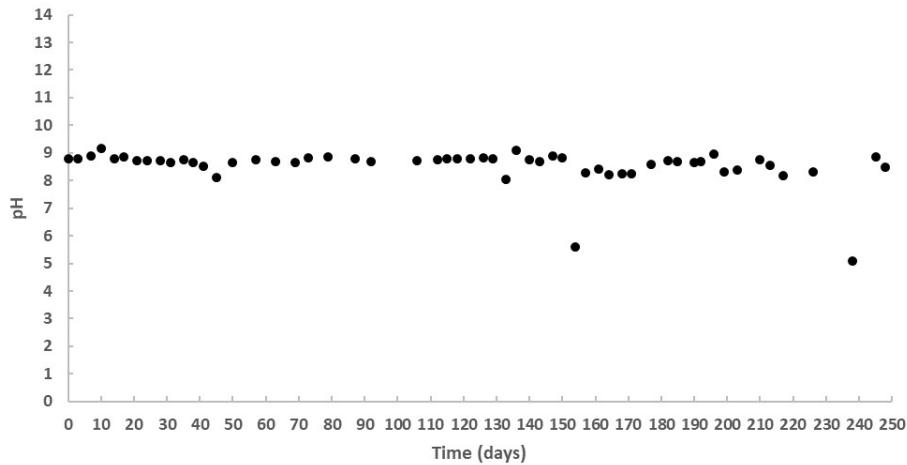


Figure S1. Values of pH measured in the outlet along reactor operation.

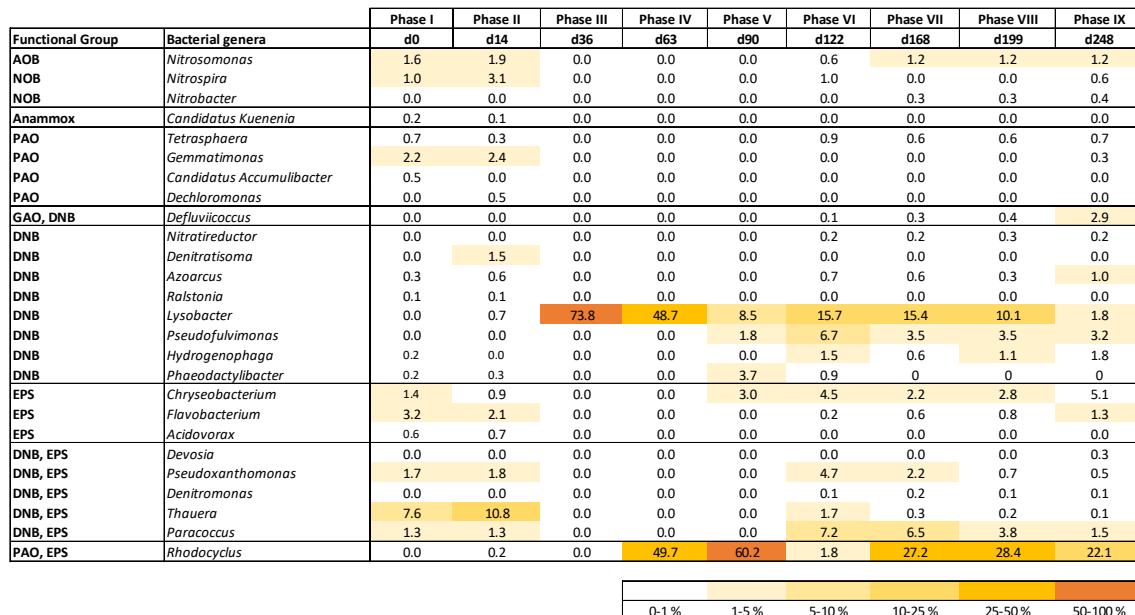


Figure S2. Heatmap with the relative abundance of bacterial genera in the AGS biomass with putative functional roles associated with one or more well-known metabolic activities, namely nitrogen removal (AOB, NOB, Anammox), phosphate removal (PAO), glycogen-accumulating organisms (GAO), denitrifying bacteria (DNB), and extracellular polymeric substances (EPS) producers.