**Pilot-scale evaluation of anammox based main-stream nitrogen removal from municipal wastewater**

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**APPENDIX. Additional supporting material**

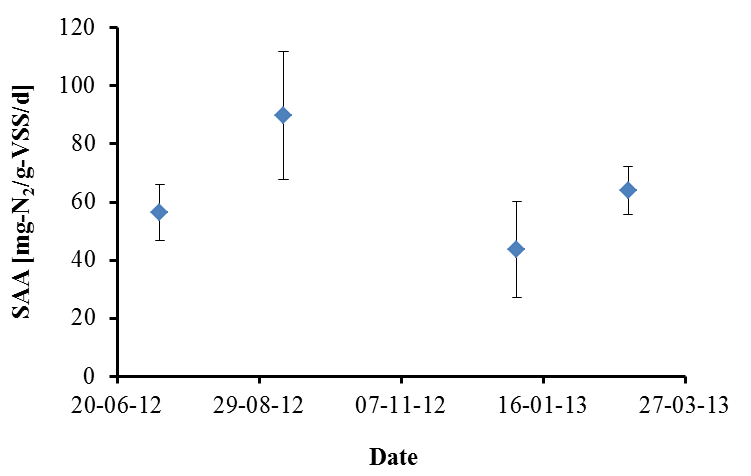


Figure S1. Biomass specific maximum anammox activity (SAA, mg-N2 g-VSS-1 d-1) as measured during anoxic ex-situ manometric batch tests conducted in triplicates.

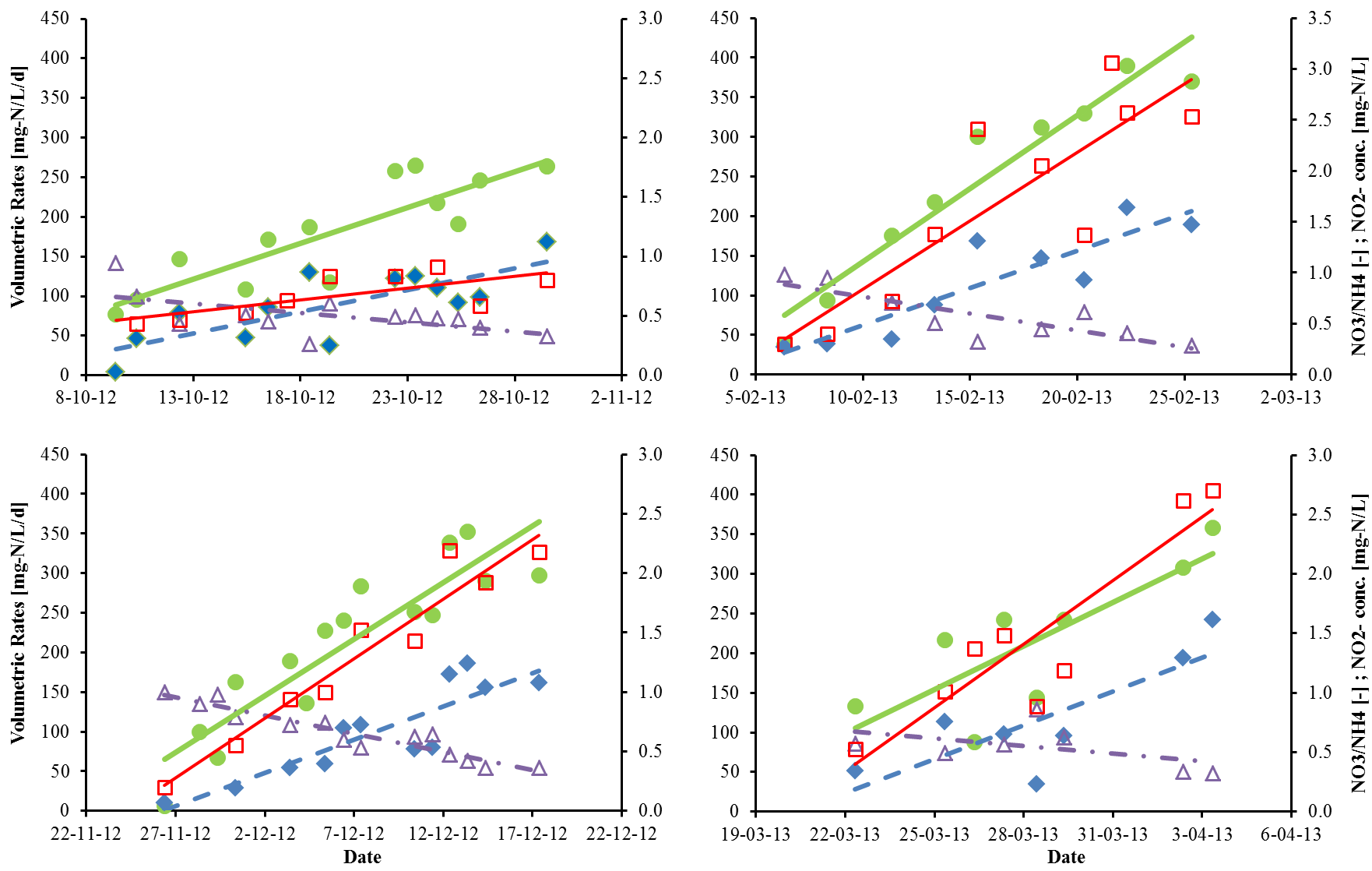


Figure S2. Change in volumetric ammonium conversion rate (green circles) and total nitrogen removal rate (blue diamonds) [*left y-axis*], NO3/NH4-conversion ratio (purple triangles) and nitrite effluent concentration (red squares) [*right y-axis*] during four distinct periods of increasing performances (i.e. positive trend of total nitrogen removal rate). The DO was constant (1.5±0.2 mgO2 L-1) during these four periods.

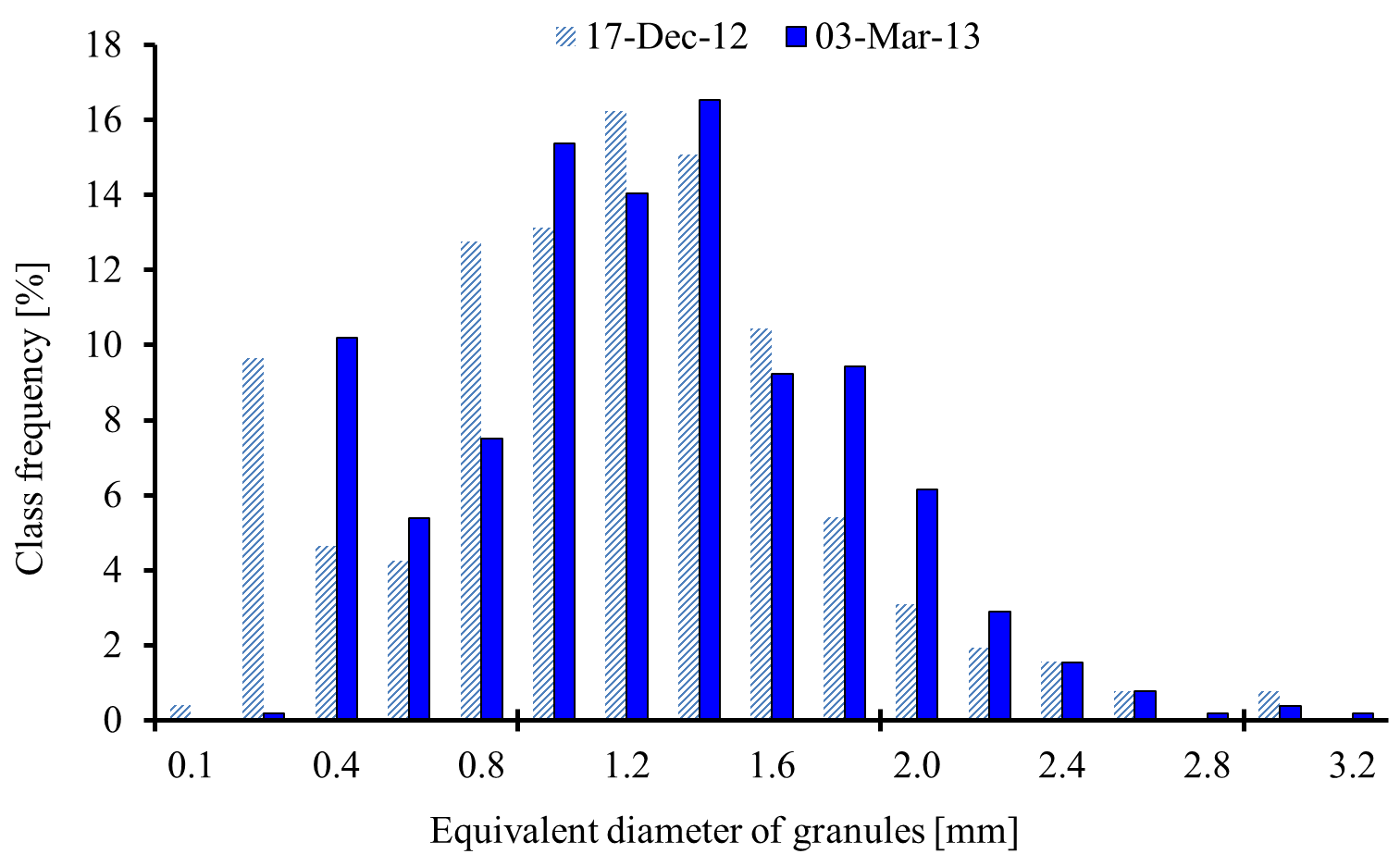
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Figure S3. Size distribution of granular biomass. More than 1000 particles analyzed. Analysis was conducted on December the 17th 2012 (*light blue bars*) and on March the 13th 2013 (*dark blue bars*).

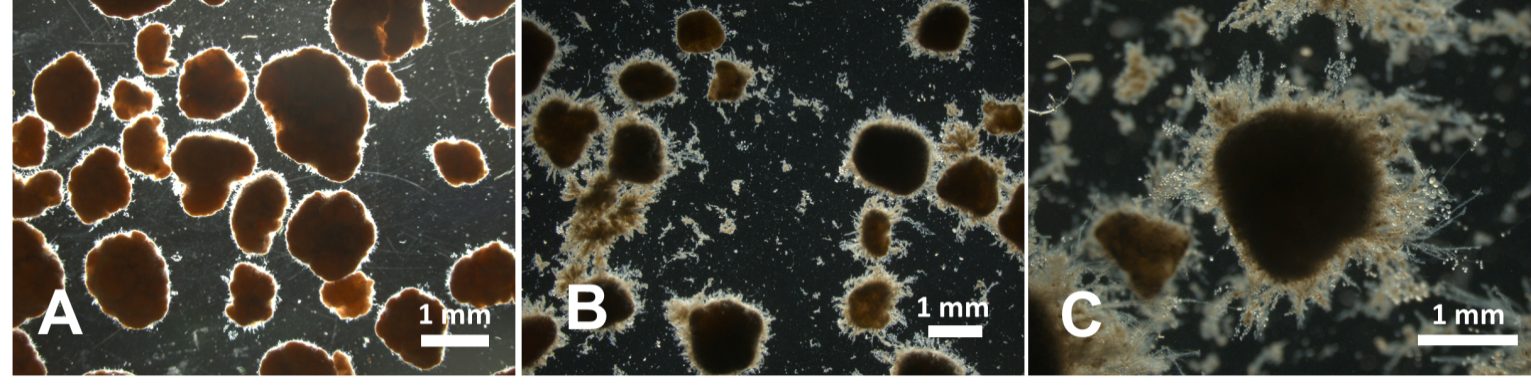


Figure S4. Black background picture of granules during normal operations (A) and during the episode of vorticella-like protozoa blooming (B and C).

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