**Supporting Information for**

# Promotion of the start-up of the Anammox reactor with exogenous boron

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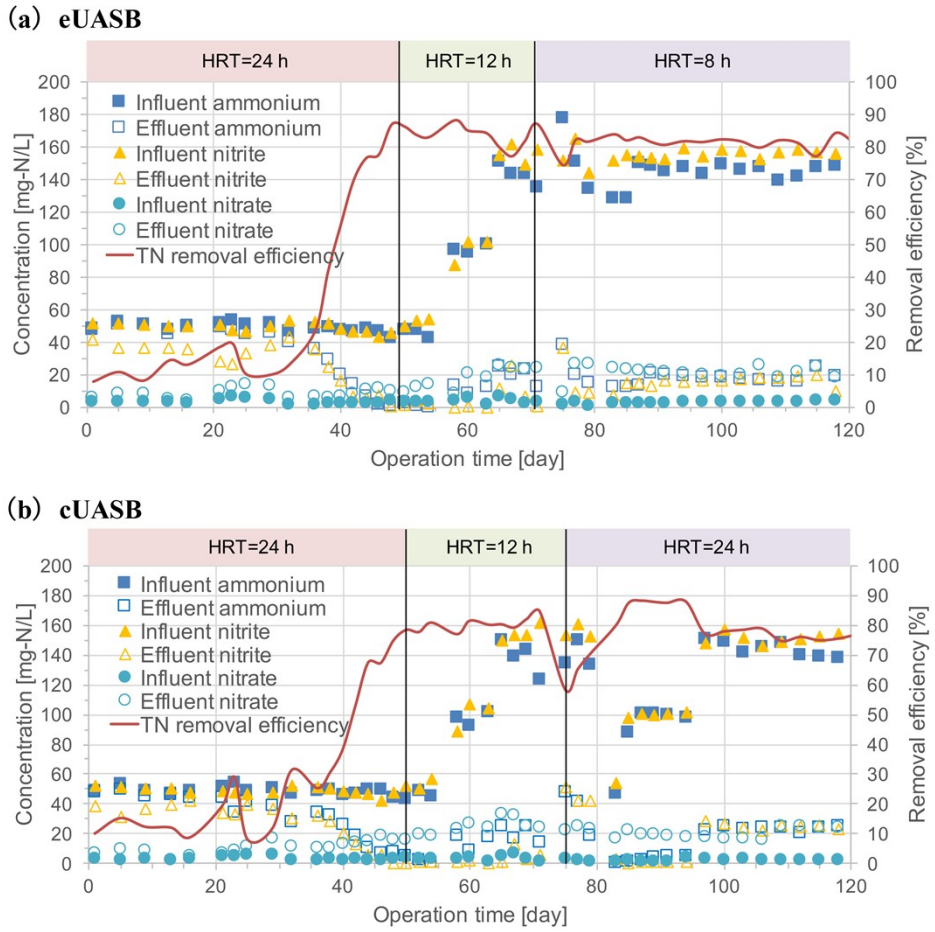


**Figure S1.** Influent and effluent nitrogen concentrations and nitrogen removal efficiency during the long-term operation: (a) e-UASB with $H_3BO_3$ in the influent, (b) c-UASB without $H_3BO_3$ in the influent.

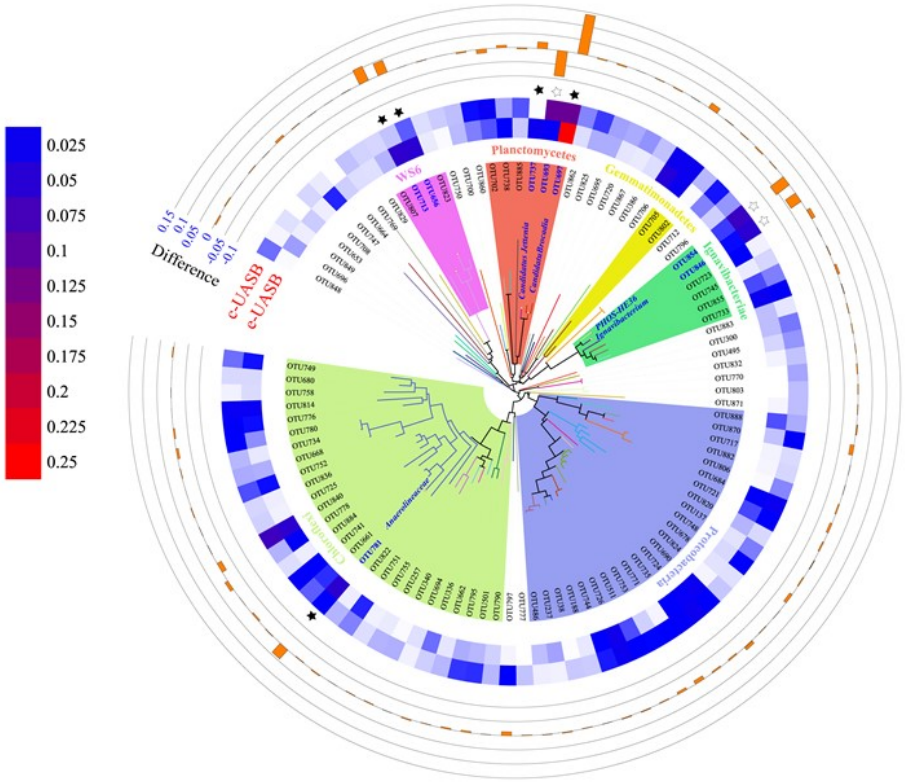


**Figure S2.** The difference analysis of the microbial community in the e-UASB and c-UASB at OTUs level. The top 100 most abundant OTUs are shown.

Economic analysis for boron dosing strategy

The current price of boric acid is around 0.95 $/kg. The dosage of the boron in this work was 15 mg/L (for boric acid). Therefore, the extra cost of boron dosing per cubic meter of wastewater treated would be 0.01425 $/$m^3$. This operational cost would be quite competitive, considering the exogenous boron could accelerate the start-up of the Anammox reactor.