

Supplementary Materials

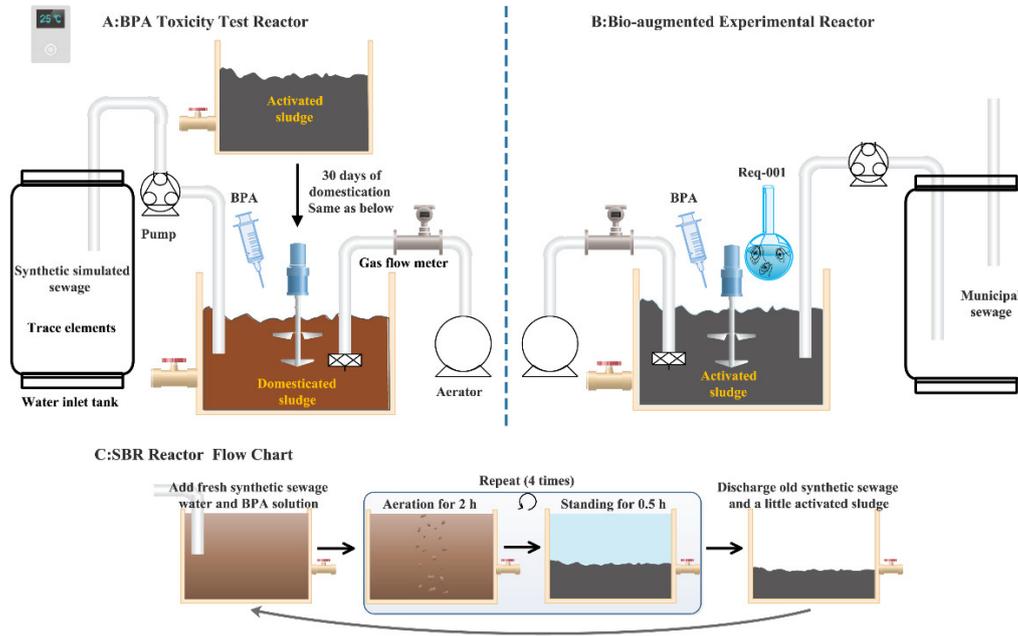


Figure S1: SBR reactor design diagram and flow chart. A: BPA Toxicity Test Reactor; B: Bio-augmented Experimental Reactor; C: SBR Reactor Flow Chart.

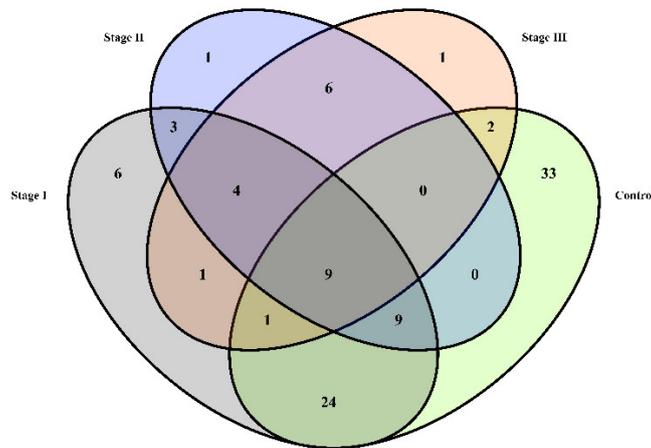


Figure S2: Each sample OTU-Venn drawn by different stages. The number of overlapping parts between multiple color graphs is the total number of OTUs among multiple samples, and the non-overlapping part is the number of unique OTUs of each sample.

Table S1: Simulated sewage reagent content

Reagent	Content (g/L)
$C_6H_{12}O_6 \cdot H_2O$	0.113
CH_3COONa	0.107
$C_{12}H_{22}O_{11}$	0.107
KH_2PO_4	0.070
Na_2CO_3	0.060
Beef Extract	0.040

Try Ptone	0.160
NH ₄ CL	0.026
(NH ₄) ₂ S0 ₄	0.028

Table S2: Trace element composition content

Reagent	Content (g/L)
NiCl ₂ ·6H ₂ O	0.024
CuCl ₂ ·2H ₂ O	0.002
H ₃ BO ₃	0.006
ZnCl ₂	0.070
MnSO ₄ ·H ₂ O	0.061
CoCl ₂ ·6H ₂ O	0.190
Na ₂ MoO ₄ ·2H ₂ O	0.024