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Supporting Information

Advanced nitrogen removal from biological secondary effluent of dyeing wastewater *via* biological-ferric-carbon nitrification and denitrification process

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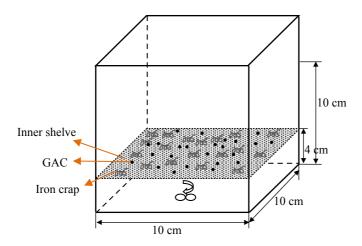


Fig. S1 Sketch map of the reactor used in this study

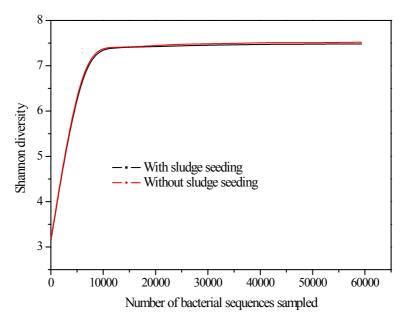


Fig. S2 Bacterial Shannon diversity curves in the biological ferric-carbon systems with sludge seeding (black line) or not (red line). The OTUs were defined by clustering sequences at the dissimilarity levels of 3%.

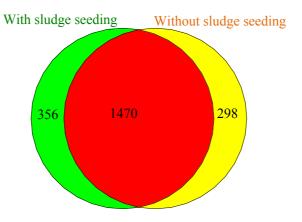


Fig. S3 Venn of two bacterial communities from reactor with sludge seeding and reactor without sludge seeding based on OUT (3% distance).

Table S1 Metal element composition and content of the ferric scrap used in this study

Element	Fe	Mn	Cr	Mo	Al	Cu
Content (%)	>90	0.3-0.6	0.7-1.1	0.3-0.5	0.4-0.8	0.8-1.2