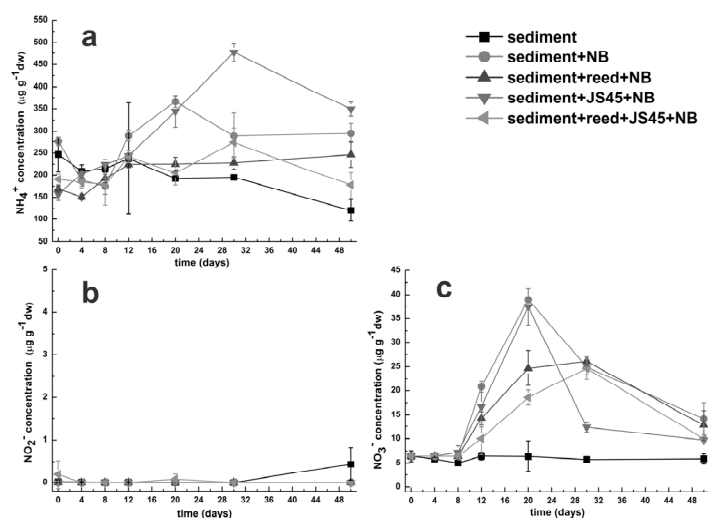
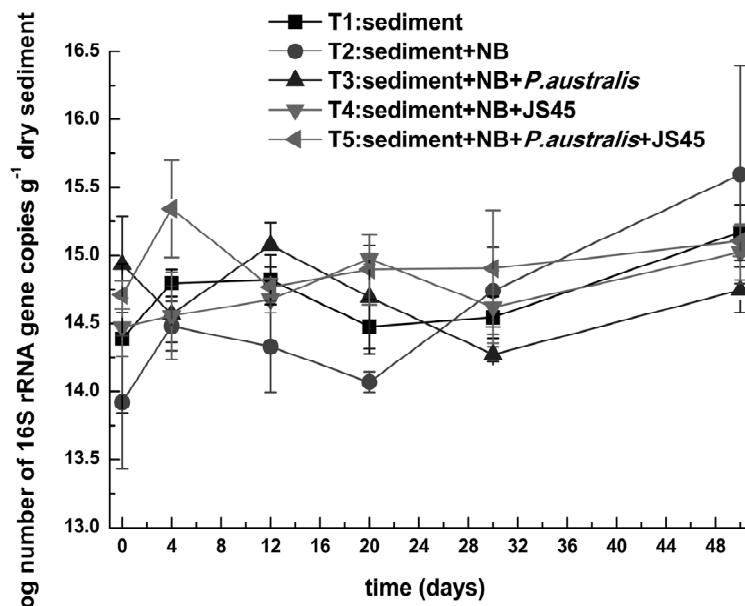


## Supporting materials



**Fig. S1** Concentration variations of  $\text{NH}_4^+$ ,  $\text{NO}_2^-$  and  $\text{NO}_3^-$  in different treatments. (a)  $\text{NH}_4^+$  concentration; (b)  $\text{NO}_2^-$  concentration; (c)  $\text{NO}_3^-$  concentration. Values are means  $\pm$  SD (error bars) ( $n = 3$ ) (NB: nitrobenzene)



**Fig. S2** 16S rRNA gene abundance in different microcosms. Values are means  $\pm$  SD (error bars) ( $n = 3$ ) (NB: nitrobenzene)